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BIBLIOGRAPHY OF  
GEOLOGY AND GEOPHYSICS  
OF THE  
SOUTHWESTERN PACIFIC

Edited by

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## FOREWORD

CCOP/SOPAC has now been in existence for more than 10 years. Its main aims are to promote and co-ordinate marine geological studies in the Southwest Pacific, especially those which provide information and assessment on the economic potential of marine mineral resources.

In its early years one of the first tasks performed by CCOP/SOPAC was to produce a Bibliography of the Geology and Geophysics of the South Pacific, published in 1975. Since then CCOP/SOPAC has done much work in the region and stimulated others to do even more. Therefore, it is now most appropriate that a list of reports describing the result of this work be compiled and a second bibliography be prepared.

The size of this second bibliography is vivid proof of the success of the Committee in promoting work in the region. They have done this by sponsoring regional workshops – the first held in Suva in September 1975, and the second in Vila, 1981. Many of the papers presented there have since been published and are listed here.

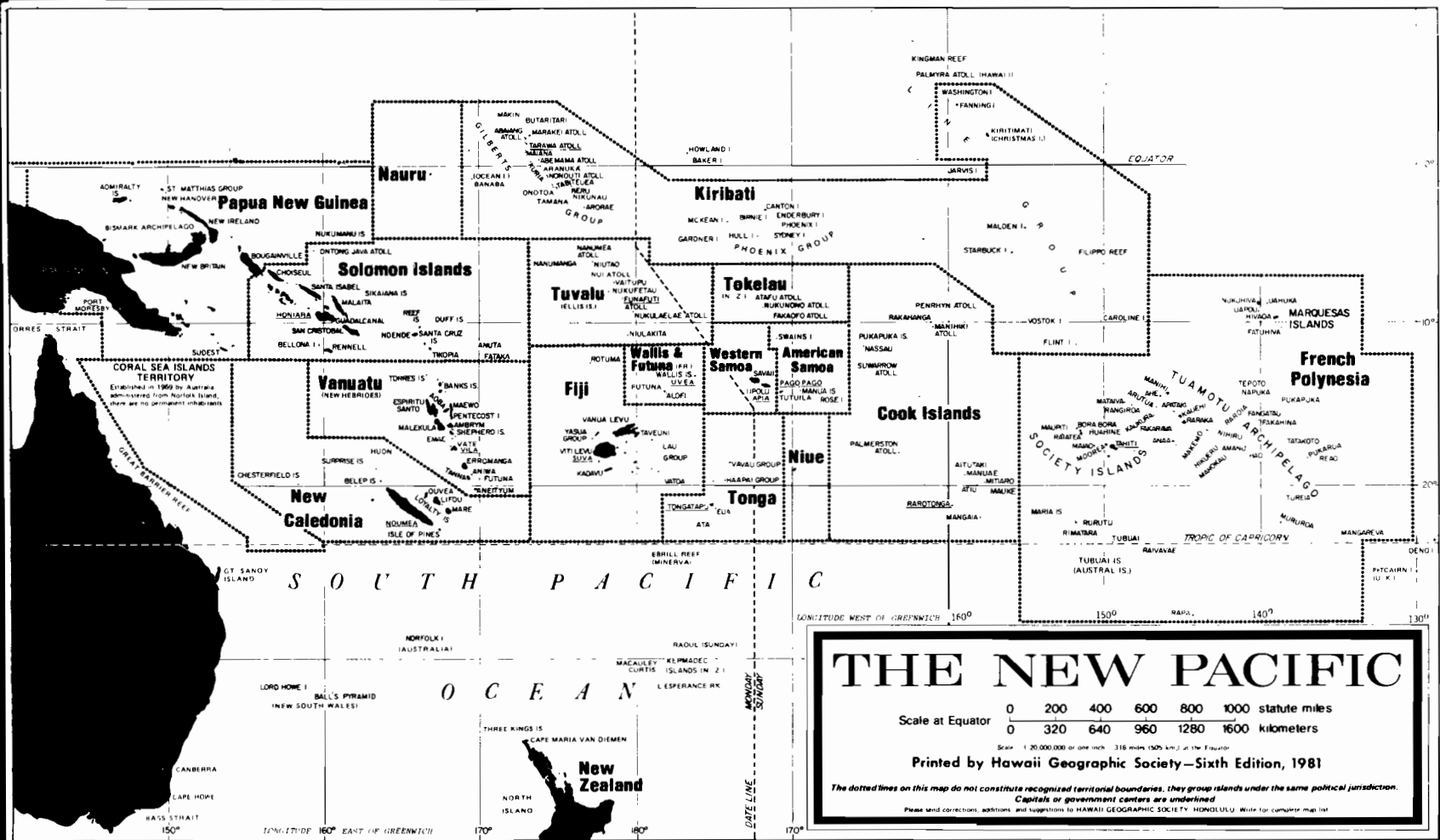
The setting up of a fully-funded UNDP Project Office in Suva, administered by ESCAP, has played a major role in assisting CCOP/SOPAC achieve many of its work objectives, and the Project's many cruise reports, technical reports, and other papers appear in this bibliography.

CCOP/SOPAC has also been instrumental in encouraging national and international agencies to continue and even expand their activities in the region. British, French, German, Japanese, Soviet, American, Australian, and New Zealand agencies have all contributed to the expansion of knowledge in the region. Of particular note is the multimillion dollar Tripartite Australian-New Zealand-USA programme which commenced in 1982.

With this increased activity the Committee has been greatly assisted in its co-ordinating functions by the French Government who since 1979 have provided the full-time services of a marine geologist to work with UNDP Project staff. Dr C. Jouannic has held this position during 1979–1983 and it is fitting that this bibliography has been one of his last tasks before leaving this position. His experience, coupled with that of Mrs Rose-Marie Thompson of the N.Z. Oceanographic Institute, has ensured that this work has been thoroughly prepared and is most comprehensive. The work has also been expanded to include countries other than member countries of CCOP/SOPAC thus increasing its usefulness.

This work will be of major assistance to all those planning and involved in marine geoscience work in the Southwest Pacific, and all those involved in its preparation are to be thoroughly commended.

J.V. Eade



# THE NEW PACIFIC

Scale at Equator

0	200	400	600	800	1000
0	320	640	960	1280	1600

0 200 400 600 800 1000 statute miles  
0 320 640 960 1280 1600 kilometers

Printed by Hawaii Geographic Society—Sixth Edition, 1981

The dotted lines on this map do not constitute recognized territorial boundaries. They group islands under the same political jurisdiction. Capitals or government centers are underlined. Please send corrections, additions, and suggestions to HAWAII GEOGRAPHIC SOCIETY, HONOLULU. Write for complete map list.

## INTRODUCTION

This second edition of the *Bibliography of the Geology and Geophysics of the Southwestern Pacific* follows on from the first edition by L.W. Kroenke and E. Bardsley, which was published in 1975 in the same series (*U.N. ESCAP, CCOP/SOPAC Tech. Bull. 1*).

Dealing only with geologic and geophysical matters, this bibliographic compilation is essentially geographic and covers the Southwestern Pacific region within approximately 4°N – 40°S, 140°E – 130°W (*see* Frontis.). Each section, as in the first edition, corresponds to a distinct country or territory of the region, CCOP/SOPAC member or not, with the exception, however, of Western Samoa and American Samoa which have been combined. A final section is dedicated to the more regional references, dealing with the Southwestern Pacific as a whole. In the case of the countries covered by the first edition, i.e., French Polynesia, New Caledonia, Samoa, Solomon Islands, Tonga, and Vanuatu (formerly New Hebrides), only references additional to those that have already appeared in the first edition are cited here (Fiji is a special case; *see* Fiji section).

Each section includes, therefore, all references related geographically to a given country (or territory). In addition, it may include references originated out of the country, i.e., in international waters, or in a neighbouring country, if it appears to be of interest to the geological understanding of the country in question. For example, the Santa Cruz Islands, while being part of the Solomon Islands, have been included also in Vanuatu, because of the geological association with the New Hebrides island arc, of which Vanuatu forms, by far, the larger part.

As in the first edition, wherever possible, periodical references have been cited in conformity with the *World List of Scientific Periodicals*, 4th Edn. Books, reports, and theses have been dealt with following the style of Hurley (*Titles of Selected Scientific Periodicals and Expedition Reports dealing with the Marine Sciences, New Zealand and the Antarctic. Misc. Publs N.Z. oceanogr. Inst. 58 : 45 p (1974)*).

We acknowledge the very considerable efforts made by the individual contributors to this compilation and also the most helpful computer searches carried out by the librarians at N.Z. Oceanographic Institute, Wellington, and U.S. Geological Survey at Menlo Park.

*Christian Jouannic  
Rose-Marie Thompson*

Frontispiece : Map of areas included in this bibliography, kindly reproduced with permission of the Hawaii Geographic Society, Honolulu. Areas north of the Equator and Indonesia have not been included.



# CONTENTS

	Page
FOREWORD	iii
INTRODUCTION	v
Bibliography of the Geology and Geophysics of Australia (Eastern Off-shore)	
<i>C. Jouannic, CCOP/SOPAC, Suva</i>	1
Bibliography of the Geology and Geophysics of the Cook Islands	
<i>R.M. Thompson, NZOI, Wellington</i>	17
An Annotated Bibliography of Bibliographies of the Geology and Geophysics of Fiji	
<i>P. Rodda</i>	
<i>Mineral Resources Division, Fiji</i>	28
Bibliography of the Geology and Geophysics of French Polynesia	
<i>H.G. Barszczus</i>	
<i>Centre Geologique &amp; Geophysique, Montpellier</i>	32
Bibliography of the Geology and Geophysics of Kiribati	
<i>C. Jouannic, CCOP/SOPAC, Suva</i>	
<i>R.M. Thompson, NZOI, Wellington</i>	52
Bibliography of the Geology and Geophysics of Nauru	
<i>R.M. Thompson, NZOI, Wellington</i>	65
Bibliography of the Geology and Geophysics of New Caledonia	
<i>J. Launay, ORSTOM, Noumea</i>	
<i>C. Jouannic, CCOP/SOPAC, Suva</i>	68
Bibliography of the Geology and Geophysics of Offshore New Zealand (north of 40°S)	
<i>R.M. Thompson, NZOI, Wellington</i>	97
Bibliography of the Geology and Geophysics of Niue	
<i>R.M. Thompson, NZOI, Wellington</i>	119
Bibliography of the Geology and Geophysics of Papua New Guinea	
<i>W. Manser</i>	
<i>University of Papua New Guinea; Port Moresby</i>	123
Bibliography of the Geology and Geophysics of Samoa	
<i>R.M. Thompson, NZOI, Wellington</i>	150
Bibliography of the Geology and Geophysics of Solomon Islands	
<i>W. Manser</i>	
<i>University of Papua New Guinea, Port Moresby</i>	156
Bibliography of the Geology and Geophysics of Tokelau	
<i>R.M. Thompson, NZOI, Wellington</i>	186
Bibliography of the Geology and Geophysics of Tonga	
<i>Karen Anscombe</i>	
<i>Ministry of Lands, Surveys &amp; Natural Resources, Nuku'alofa</i>	
<i>R.M. Thompson, NZOI, Wellington</i>	188
Bibliography of the Geology and Geophysics of Tuvalu	
<i>R.M. Thompson, NZOI, Wellington</i>	206
Bibliography of the Geology and Geophysics of Vanuatu	
<i>J. Launay, ORSTOM, Noumea</i>	
<i>C. Jouannic, CCOP/SOPAC, Suva</i>	208
Bibliography of the Geology and Geophysics of Wallis & Futuna	
<i>J. Dupont, ORSTOM, Noumea</i>	
<i>R.M. Thompson, NZOI, Wellington</i>	230



Regional : Bibliography of the Geology and Geophysics of the Southwestern Pacific	
<i>C. Jouannic, CCOP/SOPAC, Suva</i> <i>R.M. Thompson, NZOI, Wellington</i>	232
APPENDIX	
List of Journals Searched at N.Z.O.I.	257

**BIBLIOGRAPHY OF THE  
GEOLOGY AND GEOPHYSICS  
OF AUSTRALIA (Eastern Offshore)**

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The geological/geophysical bibliographic compilation of Eastern offshore Australia extends to the Coral Sea, the Lord Howe Rise (occasionally to the New Caledonia Basin), and to the Tasman Sea, to approximately 40°S. It includes also the articles directly related to Norfolk and Philip Islands, as these islands are Australian territories.

The compilation results from the merge of a computer search provided by the Bureau of Mineral Resources (BMR) from its own GEODEX system and of a manual search carried out at the CCOP/SOPAC office. The merge was then circulated between various researchers at BMR in Canberra, from whom further contributions were added, in particular, N.F. Exon, P. Symonds, and P.J. Davies. Where possible, references up to February 1983 including those papers presented at the 15th Pacific Science Congress held in Dunedin, New Zealand, have been included.

## AUSTRALIA (Eastern Offshore)

- ALBANI, A.D.; CARTER, A.N.; JOHNSON, B.D. 1973: The bedrock topography of Jervis Bay, New South Wales. Pp 179-84 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- ALLEN, R.J.; HOGETOURN, D. 1970: Petroleum resources of Queensland. *Rep. geol. Surv. Qd* 43.
- ANDREWS, J.E. 1972: Possible folded structure in the New Caledonia basin. (Abstr.) *Abstr. Progm. geol. Soc. Am.* 4(3) : 123.
- ANDREWS, J.E. 1973: Correlation of seismic reflectors. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 459-79.
- ANDREWS, J.E.; BURNS, R.E. *et al.* 1973: Deep Sea Drilling Project : Leg 21; Tasman Sea-Coral Sea. (Preliminary Results). Pp 185-99 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- ANDREWS, J.E.; EADE, J.V. 1973: Structure of the western continental margin, New Zealand and Challenger Plateau, eastern Tasman Sea. *Bull. geol. Soc. Am.* 84(9) : 3093-100.
- ANDREWS, J.E.; PACKHAM, G.H. *et al.* 1975: "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 753 p.
- ANDREWS, J.E.; PACKHAM, G.H. *et al.* 1975: Site 287. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 133-73.
- ARONSON, J.L.; TILTON, G.G. 1971: Probable Precambrian detrital zircons in New Caledonia and Southwest Pacific continental structure. *Bull. geol. Soc. Am.* 82 : 3449-56.
- AUSTRALIAN GULF OIL CO., 1963: Swains Reef aeromagnetic survey. *BMR Aust. Petrol. Search Subs Act Rep.* 63/1712. (unpubl.)
- AUSTRALIAN GULF OIL, 1967: Capricorn No. 1A well completion report. *BMR Aust. Petrol. Search Subs Act Rep.* 67/4267. (unpubl.)
- AUSTRALIAN GULF OIL, 1967: Aquarium No. 1 well completion report. *BMR Aust. Petrol. Search Subs Act Rep.* 67/4276. (unpubl.)
- AZIZ-UR-RAHMAN; MCDUGALL, I. 1973: Paleomagnetism and paleosecular variation in lavas from Norfolk and Philip Islands, Southwest Pacific Ocean. *Geophys. J. R. astr. Soc.* 33 : 141-55.
- BACKSHALL, D.G.; BARNETT, J. *et al.* 1979: Drowned dolines - The blue holes of the Pompey Reefs, Great Barrier Reef. *BMR Jl Aust. Geol. Geophys.* 4(2) : 99-109.
- BALFE, P.E. 1979: A marine geophysical survey in the Coral Sea region. *Qd Govt Min. J.* 80(932) : 303-7.
- BELPERIO, A.P. 1979: Negative evidence for a mid-Holocene high sea level along the coastal plain of the Great Barrier Reef Province. *Mar. Geol.* 32 : M1-M9.
- BEMBRICK, C.S. 1976: Lowe Basin. In Knight, C.L. (ed.) "Economic Geology of Australia and Papua New Guinea. 3 : Petroleum." *Monogr. Ser. Aust. Inst. Min. Metall.* 7 : 457-58.
- BENBOW, D.D. 1980: The petroleum prospects of the Great Barrier Reef region. *APEA Jl* 20(1) : 159-75.
- BENSTEAD, W.L. 1976: Clarence-Moreton Basin. In Knight, C.L. (ed.) "Economic Geology of Australia and Papua New Guinea. 3 : Petroleum." *Monogr. Ser. Aust. Inst. Min. Metall.* 7 : 454-56.
- BENTZ, F.P. 1974: Marine geology of the southern Lord Howe Rise, Southwest Pacific. Pp 537-47 in Burk, C.A.; Drake, C.L. (eds) "The Geology of Continental Margins". Springer-Verlag, New York.
- BIRD, E.C.F. 1971: The origin of beach sediments on the North Queensland coast. *Earth Sci. J.* 5(2) : 95-105.
- BRANSON, J.C. 1978: Evolution of sedimentary basins from Mesozoic times in Australia's continental slope and shelf. *Tectonophysics* 48 : 389-412.

- BUKRY, D. 1973: Coccolith and silicoflagellate stratigraphy, Tasman Sea and southwestern Pacific Ocean, Deep Sea Drilling Project, Leg 21. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volum 21". Washington. (U.S. Government Printing Office) : 885-93.
- BUKRY, D. 1975: Phytoplankton stratigraphy, Southwest Pacific, Deep Sea Drilling Project, Leg 30. *In* Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 539-47.
- BURNS, R.E.; ANDREWS, J.E. *et al.* 1973: Site 206. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 103-95.
- BURNS, R.E.; ANDREWS, J.E. *et al.* 1973: Site 207. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 197-269.
- BURNS, R.E.; ANDREWS, J.E. *et al.* 1973: Site 208. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 271-331.
- BURNS, R.E.; ANDREWS, J.E. *et al.* 1973: Site 209. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 333-67.
- BURNS, R.E.; ANDREWS, J.E. *et al.* 1973: Site 210. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 369-440.
- BURNS, R.E.; ANDREWS, J.E. 1973: Regional aspects of deep sea drilling in the Southwest Pacific. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 897-906.
- CAMERON, P.J.; FRITSCH, J. *et al.* 1979: Papuan and Queensland plateau margins, Coral Sea : Geophysical results of *Sonne* cruise SO-7. (Abstr.) *Gen. Assembly 17th int. Un. Geod. Geophys., Canberra* : 516.
- CAREY, S.M. 1970: Australia, New Guinea and Melanesia in the current revolutions in concepts of the evolution of the earth. *Search 1* : 178-89.
- CARTER, A.N. 1973: Foraminiferal associations of the back reef facies on the continental shelf of Queensland. Pp 229-31 *in* Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- CGG (COMPAGNIE GENERALE de GEOPHYSIQUE) 1972: Geophysical surveys of the continental margin of Australia, Gulf of Papua and the Bismarck Sea, October 1970-January 1973. Operations and techniques. *BMR Rec. 1975/151*. (unpubl.)
- CHAPPELL, J.; RHODES, E.G.; THOM, B.G.; WALLENSKY, E. 1982: Hydro-isostasy and the sea-level isobase of 5500 B.P. in north Queensland, Australia. *Mar. Geol.* 49 : 81-90.
- CHAPRONIERE, G.C.H. 1983: The Neogene larger foraminiferal sequence in the Australian and New Zealand region, and its relevance to the East India stage classification. (Abstr.) *Progm. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 38.
- CHOUDHURY, M.A.; DOREL, J. 1973: Spectral ratio of short-period SPC and SCS phases in relation to the attenuation in the mantle beneath the Tasman Sea and the Antarctic region. *J. geophys. Res.* 78(2) : 462-69.
- CHURKIN, M.; PACKHAM, G.H. 1973: Volcanic rocks and volcanic constituents in sediments, Leg 21, Deep Sea Drilling Project. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 481-93.
- CLARKE, M.J.; FARMER, N.; GUILLINE, A.B. 1976: Tasman Basin-Parmeener Supergroup. *In* Knight, C.L. (ed.) "Economic Geology of Australia and Papua New Guinea. 3 : Petroleum." *Monogr. Ser. Aust. Inst. Min. Metall.* 7 : 438-43.
- COLEMAN, P.J.; VEEVERS, J.J. 1971: Microfossils from Philip Island indicate a minimum age of Lower Miocene for the Norfolk Ridge, Southwest Pacific. *Search 2(8)* : 289.
- COLWELL, J.B. 1982 : Sedimentology of surface sediments of the New South Wales shelf. *Geol. Jb. D56* : 111-24.

- CONOLLY, J.R. 1968: Submarine canyons of the continental margin, east Bass Strait. *Mar. Geol.* 6 : 449-61.
- CONOLLY, J.R. 1969: Western Tasman sea-floor. *N.Z. Jl Geol. Geophys.* 12(1) : 310-43.
- COOK, P.J.; CROOK, K.A.W.; FRANKS, L.A. (eds) 1981: The future of scientific ocean drilling in the Australian region. *Consortium of Ocean Geosciences Publ. No. 1.*
- COOK, P.J.; MARSHALL, J.F. 1981: Geochemistry of iron and phosphorus-rich nodules from the East Australian continental shelf. *Mar. Geol.* 41 : 205-21.
- COOPER, R.A. 1975: New Zealand and South-east Australia in the early Paleozoic. *N.Z. Jl Geol. Geophys.* 18(1) : 1-20.
- CRANFIELD, L.C.; SCHWARZBACK, H. 1976: Nambour Basin. In Knight, C.L. (ed.) "Economic Geology of Australia and Papua New Guinea. 3 : Petroleum". *Monogr. Ser. Aust. Inst. Min. Metall.* 7 : 450-56.
- CROOK, K.A.W. 1980: Fore-arc evolution in the Tasman Geosyncline : The origin of the Southeast Australian continental crust. *J. geol. Soc. Aust.* 27 : 215-32.
- CROOK, K.A.W.; BELBIN, L. 1978: The Southwest Pacific area during the last 90 million years. *J. geol. Soc. Aust.* 25(1) : 23-40.
- CUFFEY, R.J. 1978: A note on bryozoans in the modern reefs on Eniwetok Atoll and the Australian Great Barrier Reef. *Pacif. Geol.* 13 : 65-76.
- CULLEN, D.J. 1967: Mantle convection and sea-floor spreading in the Southwest Pacific. *Nature, Lond.* 216(5113) : 356-57.
- CULLEN, D.J. 1967: A note on the regional structure of the Southwest Pacific. *N.Z. Jl Sci.* 10(3) : 813-15.
- CULLEN, D.J. 1967: Island arc development in the Southwest Pacific. *Tectonophysics* 4(2) : 163-72.
- CULLEN, D.J. 1968: Movement of sialic blocks oblique to the direction of seafloor spreading. *Earth Planet. Sci. Lett.* 5 : 123-26.
- CULLEN, D.J. 1970: A tectonic analysis of the Southwest Pacific. *N.Z. Jl Geol. Geophys.* 13(1) : 7-20.
- CULLEN, D.J. 1970: Two-way stretch of sialic crust and plate tectonics in the Southwest Pacific. *Nature, Lond.* 226 : 741-42.
- DAVEY, F.J. 1973: Gravity and magnetic measurements over Aotea Seamount, eastern Tasman Sea. *N.Z. Jl Geol. Geophys.* 16(4) : 1047.
- DAVIES, P.J. 1973: Submarine canyons on the continental margin of Southeast Australia. *BMR Rec.* 1973/147. (unpubl.)
- DAVIES, P.J. 1975: Shallow seismic structure of the continental shelf, Southeast Australia. *J. geol. Soc. Aust.* 22(3) : 345-59.
- DAVIES, P.J. 1979: Marine geology of the continental shelf off Southeast Australia. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 195 : 51 p.
- DAVIES, P.J. 1977: Modern reef growth - Great Barrier Reef. *Proc. 3rd int. Coral Reef Symp., Miami* 2 : 325-30.
- DAVIES, P.J.; HOPLEY, D. 1983: Growth facies and growth rates of Holocene reefs in the Great Barrier Reef. *BMR Jl Aust. Geol. Geophys.* 8(3) : 237-52.
- DAVIES, P.J.; HUGHES, H. 1983: High energy reef and terrigenous sedimentation, Boulder Reef, Great Barrier Reef. *BMR Jl Aust. Geol. Geophys.* 8(3) : 201-10.
- DAVIES, P.J.; HUGHES, H.; RUTLEDGE, J.; POWNALL, D. 1983: The high energy window - Water and sediment influx in the northern Great Barrier Reef. (Abstr.) *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 57.
- DAVIES, P.J.; MARSHALL, J.F. 1979: Aspects of Holocene reef growth - Substrate age and accretion rate. *Search* 10(7/8) : 276-79.
- DAVIES, P.J.; MARSHALL, J.F. 1980: A model of epicontinental reef growth. *Nature, Lond.* 287 : 37-38.
- DAVIES, P.J.; MARSHALL, J.F. 1983: Age and structure of reefs in the southern Great Barrier Reef. (Abstr.) *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 58.
- DAVIES, P.J.; MARSHALL, J.F.; HEKEL, H.; SEARLE, D.E. 1981: Shallow intra-reefal structure of the Capricorn group, southern Great Barrier Reef. *BMR Jl Aust. Geol. Geophys.* 6(1) : 101-5.

- DAVIES, P.J.; SYMONDS, P.; BROWN, W. 1983: Geological development of the central and northern Great Barrier Reef. (Abstr.) *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 58.
- DAVIES, P.J.; WEST, B.G. 1981: Suspended-sediment transport and water movement at One Tree Reef, southern Great Barrier Reef. *BMR Jl Aust. Geol. Geophys.* 6(2) : 187-95.
- DE JERSEY, N.J. 1946: Seismological evidence bearing on crustal thickness in the Southwest Pacific. *Pap. Dep. Geol. Univ. Qd, n.s.* 3(2) : 1-18.
- DENHAM, D.; ALEXANDER, L.G.; WORATNICKI, G. 1979: Stress field in the crust of southeast Australia. *BMR Rec. 1972/2* : 25 p. (unpubl.)
- DERRINGTON, S.S. 1960: H.R.B. No. 1 Bore Wreck Island, Queensland. *BMR Aust. Petrol. Search Subs Act Publ.* 4.
- DOYLE, H.A.; UNDERWOOD, R.; POLACK, E.L. 1966: Seismic velocities for exploration off the central coast of New South Wales. *J. geol. Soc. Aust.* 13 : 355-72.
- DRUMMOND, B.J.; COLLINS, C.D.N.; GIBSON, G. 1979: Crustal structure of the Gulf of Papua and the northwest Coral Sea. (Abstr.) *Gen. Assembly 17th int. Un. Geod. Geophys., Canberra* : 5-7.
- DRUMMOND, D.C.; PENNY, D. 1983: Spatial pattern in non-cryptic intertidal reef assemblages at Heron Island, Queensland : A non-parametric analysis. (Abstr.) *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 63.
- DUMTRICA, P. 1973: Phaeodarian Radiolaria in Southwest Pacific sediments cored during Leg 21 of the Deep Sea Drilling Project. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 751-85.
- DUMTRICA, P. 1973: Paleocene Radiolaria, DSDP Leg 21. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 787-817.
- DUMTRICA, P. 1973: Neozoic endoskeletal dinoflagellates in southwestern Pacific sediments cored in Leg 21 of the Deep Sea Drilling Project. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 819-35.
- DUMTRICA, P. 1973: Paleocene, Late Oligocene and Post-Oligocene silicoflagellates in southwestern Pacific sediments cored on DSDP, Leg 21. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 837-83.
- DURBAUM, H.-J. 1982: SEATAR-related geophysical studies of BGR in the Southwest Pacific. (Abstr.) *Prog. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 25.  
also in: *Bull. Am. Ass. Petrol. Geol.* 66(7) : 965.
- EADE, J.V.; ANDERSON, T.F. 1975: Oxygen and carbon isotope composition and diagenesis of Eocene clay nanno-chalk at DSDP site 287, Coral Sea basin, Leg 30. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 419-22.
- EADE, J.V.; VAN DER LINDEN, W.J.M. 1970: Sediments and stratigraphy of deep sea cores from the Tasman Sea. *N.Z. Jl Geol. Geophys.* 13(1) : 228-68.
- EDWARDS, A.R. 1973: Calcareous nannofossils. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 641-91.
- EDWARDS, A.R. 1973: Southwest Pacific regional unconformities encountered during Leg 21. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 701-20.
- EDWARDS, A.R. 1975: Further comments on the Southwest Pacific Paleogene regional unconformities. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 663-66.

- ELLIS, P.L. 1976: Maryborough Basin. In Knight, C.L. (ed.) "Economic Geology of Australia and Papua New Guinea. 3 : Petroleum". *Monogr. Ser. Aust. Inst. Min. Metall.* 7 : 446-50.
- ERICSON, E.K. 1976: Capricorn Basin. In Knight, C.L. (ed.) "Economic Geology of Australia and Papua New Guinea. 3 : Petroleum". *Monogr. Ser. Aust. Inst. Min. Metall.* 7 : 464-73.
- ESSO EXPLORATION AUSTRALIA, 1966: ESSO Gippsland Shelf No. 1 well, Victoria. *BMR Aust. Petrol. Search Subs Act Rep.* 76. 74 p. (unpubl.)
- EWING, J.; EWING, M.; LEYDEN, R. 1966: Seismic profiles survey of the Blake Plateau. *Bull. Am. Ass. Petrol. Geol.* 50 : 1948-71.
- EWING, J.; HAWKINS, L.V.; LUDWIG, W.J. 1970: Crustal structure of the Coral Sea. *J. geophys. Res.* 75(11) : 1953-62.
- EWING, J.; HOUTZ, R.E.; LUDWIG, W.J. 1970: Sediment distribution in the Coral Sea. *J. geophys. Res.* 75(11) : 1963-72.
- EXON, N.F.; MORETON, D.; HICKS, G. 1980: Manganese nodules from the Tasman Sea off Sydney. *BMR Jl Aust. Geol. Geophys.* 5(1) : 67-68.
- FAIRBRIDGE, R.W. 1950: Recent and Pleistocene coral reefs of Australia. *J. Geol.* 58(4) : 330-401.
- FAIRBRIDGE, R.W. 1961: Continental margins of the Southwest Pacific : Advancing or retreating. (Abstr.) *Proc. 10th Pacif. Sci. Congr., Honolulu* 12 : 69.
- FALVEY, D.A. 1972: The nature and origin of marginal plateaux and adjacent ocean basins off northern Australia. Unpubl. Ph.D. thesis, University of New South Wales, Australia. 238 p.
- FALVEY, D.A. 1974: The development of continental margins in plate tectonic theory. *APEA Jl* 14(1) : 95-106.
- FALVEY, D.A.; MIDDLETON, M.P. 1981: Passive continental margins : Evidence for a prebreakup deep crustal metamorphic subsidence mechanism. In "Geology of Continental Margins Symposium", July 1980. *Proc. 26th Int. Geol. Congr., Paris* : 103-14.
- FALVEY, D.A.; MUTTER, J.C. 1981: Regional plate tectonics and the evolution of Australia's passive continental margins. *BMR Jl Aust. Geol. Geophys.* 6(1) : 1-29.
- FALVEY, D.A.; TALWANI, M. 1969: Gravity map and tectonic fabric of the Coral Sea. (Abstr.) *Abstr. Progm. geol. Soc. Am.* 7 : 62.
- FALVEY, D.A.; TALWANI, M. 1970: Structure of Coral Sea region from marine gravity data. (Abstr.) In "Geophysics of the Earth and Oceans, Part 1". *Geoexploration* 8(304) : 248-49.
- FALVEY, D.A.; TAYLOR, L.W.H. 1974: Queensland Plateau and Coral Sea Basin : Structural and true stratigraphic patterns. *Bull. Aust. Soc. explor. Geophys.* 5(4) : 123-26.
- FERGUSON, J. 1979: Transform faults associated with the Antarctic and Tasman Sea ridges and their relationship to continental fractures and kimberlitic activity in southeast Australia. *BMR Rec.* 1979/2 : 33-34. (unpubl.)
- FINLAYSON, D.M. 1979: Seismic structure of southeastern Australia and constraints of crustal evolution. *BMR Rec.* 1979/2 : 35. (unpubl.)
- FLOOD, P.G.; HARJAITO, S.; ORME, G.R. 1978: Carbon-14 dates, Lady Elliot Reef, Great Barrier Reef. *Qd Govt Min. J.* 80(935) : 444-49.
- FLOOD, P.G.; ORME, G.R.; SCOFFIN, T.P. 1978: An analysis of textural variability displayed by inter-reef sediments of the Impore Carbonate Facies in vicinity of the Howick Group. In "The Northern Great Barrier Reef". *Phil. Trans. R. Soc. A291* : 73-83.
- FLOOD, P.G.; SCOFFIN, T.P. 1978: Reefal sediments of the northern Great Barrier Reef. In "The Northern Great Barrier Reef". *Phil. Trans. R. Soc. A291* : 55-71.
- FOLK, A.L. 1972: Electron microscope reconnaissance of muds from the Great Barrier Reef area, Australia. *Search* 3(5) : 171.
- FORMAN, D.J.; WYBORN, L.; KURYLOWICZ, L.E.; PASSMORE, V.L.; MAYNE, S.J. 1973: Summary of sedimentary basins in Australia and Papua New Guinea. *BMR Rec.* 1973/98. (unpubl.)
- FRANKEL, E. 1978: Bibliography of the Great Barrier Reef Province. Australian Government Publishing Service.



- GAME, P.M. 1970: Petrology of Lord Howe Island, Part 1 : The younger volcanics. *Bull. Br. Mus. nat. Hist.* 5 : 223–84.
- GARDNER, J.V. 1970: Submarine geology of the western Coral Sea. *Bull. geol. Soc. Am.* 81(9) : 2599–614.
- GLAESER, J.D. 1978: Global distribution of barrier islands in terms of tectonic setting. *J. Geol.* 86(3) : 283–97.
- GLAESSNER, M.F. 1952: The geology of the Tasman Sea. *Aust. J. Sci.* 14 : 111–14.
- GREEN, T.H. 1980: Island arc and continent-building magmatism – A review of petrogenic models based on experiment petrology and geochemistry. In Banks, M.; Green, D. (eds) "Orthodoxy and Creativity at Frontiers of Earth Science". *Tectonophysics* 63(1/4) : 367–85.
- GRIFFITHS, J.R. 1971: Continental margin tectonics and the evolution of southeast Australia. *APEA Jl* 11(1) : 15–19.
- GRIFFITHS, J.R. 1971: Reconstruction of the Southwest Pacific margin of Gondwanaland. *Nature, Lond.* 234(5326) : 203–7.
- GRIFFITHS, J.R.; VARNE, R. 1972: Evolution of the Tasman Sea, Macquarie Ridge and Alpine Fault. *Nature, Lond.* 235 : 83–84.
- GRIM, P.J. 1969: Heat flow measurements in the Tasman Sea. *J. geophys. Res.* 74(15) : 3933–34.
- GRIMES, K.G. 1980: The Tertiary geology of north Queensland. Pp 32–47 in Henderson, R.A.; Stephenson, P.J. (eds) "The Geology and Geophysics of Northeastern Australia". Geological Society of Australia, Queensland Division, Brisbane.
- GUNN, P.J. 1975: Mesozoic Cainozoic tectonics and igneous activity, southeastern Australia. *J. geol. Soc. Aust.* 22(2) : 215–21.
- HARPER, M.A. 1974: Diatoms in two sediment cores from the Tasman Sea. *NZOI Rec.* 2(2) : 17–24.
- HARRINGTON, H.J. 1967: An annotated bibliography of the Circum-Pacific rim and the Pacific Ocean basin, for 1960–1967. The University of New England, Armidale, N.S.W. 119 p.
- HARRINGTON, H.J. 1976: Tectonics of the Pacific basin and the Circum-Pacific rim; an annotated bibliography for the interval 1967–1975. The University of New England, Armidale, N.S.W. 202 p.
- HARVEY, N.; DAVIES, P.J.; MARSHALL, J.F. 1979: Seismic refraction, a tool for studying coral reef growth. *BMR Jl Aust. Geol. Geophys.* 4(2) : 141–47.
- HAYES, D.E. 1976: Nature and implications of assymetric floor spreading : "Different rates for different plates". *Bull. geol. Soc. Am.* 87 : 994–1002.
- HAYES, D.E.; RINGIS, J. 1973: Seafloor spreading in the Tasman Sea. *Nature, Lond.* 243 : 454–58.
- HAYES, D.E.; RINGIS, J. 1973: The early opening of the central Tasman Sea. (Abstr.) P. 338 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- HEDLEY, C. 1910: The submarine slope of New South Wales. *Proc. Linn. Soc. N.S.W.* 35(1) : 9–21.
- HEKEL, H. 1980: Marine geological and geophysical projects of the Geological Survey of Queensland. *Qd Govt Min. J.* 81(942) : 200–5.
- HINZ, K. et al. 1979: Report of the *Sonne* southwest Asian cruise, SO-7, October–December 1978. B. G. R. (Germany). (Unpubl. Rep.)
- HOCHSTEIN, M.P. 1973: Interpretation of magnetic anomalies across Norfolk Ridge, Southwest Pacific. Pp 65–76 in Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- HOCKING, J.B. 1972: Geologic evolution and hydrocarbon habitat, Gippsland Basin. *APEA Jl* 12 : 132–37.
- HOPLEY, D. 1978: Mid-Holocence high sea-levels along the coastal plain of the Great Barrier Reef Province : A discussion. *Mar. Geol.* 35(4) : M1–M9.
- HOPLEY, D. 1983: Structure and growth of a double reef front, Gable Reef, Great Barrier Reef, Australia. (Abstr.) *Progm. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 105.

- HOUTZ, R.E. 1974: South Tasman basin and borderlands : A geophysical summary. *In* Kennett, J.P.; Houtz, R.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 29". Washington. (U.S. Government Printing Office) : 1135-46.
- HOWARD, P.H. 1973: An issue devoted to mineral deposits in Australia and adjacent islands. (Abstr.) *N.Z. geochem. Grp Newsl.* 30 : 27-28.  
also in : *Econ. Geol.* 67(8), 1972.
- HUMBER BARRIER REEF OILS, 1962: H.B.R. No. 1 Bore Wreck Island, well completion report. *BMR Aust. Petrol. Search Subs Act Rep.* 62/1021. (unpubl.)
- JAMES, E.A.; EVANS, P.R. 1971: The stratigraphy of the offshore Gippsland Basin. *APEA Jl* 11(1) : 71-74.
- JOHNSON, B.D.; LAPOUILLE, A. *et al.* 1974: Marine geophysical investigations in Melanesia. (Abstr.) *EOS Trans. Am. geophys. Un.* 55(4) : 301.
- JOHNSON, D.P.; SEARLE, D.E.; HOPLEY, D. 1982: Positive relief over buried post-glacial channels, Great Barrier Reef Province, Australia. *Mar. Geol.* 46 : 149-59.
- JONES, H.A. 1980: Deep-sea manganese nodules in the Australian region : A review. *Aust. Miner. Ind. Q.* 33(1) : 10-23.
- JONES, H.A.; DAVIES, P.J. 1979: Preliminary studies of offshore placer deposits, eastern Australia. *Mar. Geol.* 30 : 243-68.
- JONES, H.A.; DAVIES, P.J. 1983: Superficial sediments of the Tasmanian continental shelf and part of Bass Strait. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 218.
- JONES, H.A.; DAVIES, P.J.; MARSHALL, J.F. 1975: Origin of the shelf break off southeast Australia. *J. geol. Soc. Aust.* 22(1) : 71-78.
- JONES, H.A.; KUDRASS, H.-R.; SCHLUETER, H.-V.; VON STACKELBERG, U. 1982: Geological and geophysical work on the east Australian shelf between Newcastle and Fraser Island - A summary of results from *Sonne* cruise SO-15. *Geol. Jb. D56* : 197-215.
- JONES, J.G.; MCDOUGALL, I. 1973: Geological history of Norfolk and Philip Islands, Southwest Pacific Ocean. *J. geol. Soc. Aust.* 20(3) : 239-54.
- JONES, J.G.; ROOTS, W.D. 1974: Evolution of the Tasman Sea. *Nature, Lond.* 252 : 613.
- JONES, M.; HEKEL, H. 1979: Preliminary results of submarine drilling in central Moreton Bay. *Qd Govt Min. J.* 80(931) : 226-33.
- JONES, O.A.; ENDEAN, R. 1973: "Biology and Geology of Coral Reefs. Volume I. Geology". Academic Press, London. 410 p.
- JONGSMA, D. 1976: A review of marine geophysical investigations over the Lord Howe Rise and Norfolk Ridge. *BMR Rec.* 1976/12. (unpubl.)
- JONGSMA, D. 1976. A review of the geology and geophysics of the Queensland Plateau. *BMR Rec.* 1976/39. (unpubl.)
- JONGSMA, D. 1976: A review of the geology and geophysics of the area around Mellish, Frederick, Kean and Wreck Reefs, and Cato Island. *BMR Rec.* 1976/40. (unpubl.)
- JONGSMA, D. 1976: A review of the geology and geophysics of the Marion Plateau. *BMR Rec.* 1976/41. (unpubl.)
- JONGSMA, D.; MUTTER, J.C. 1978: Non-axial breaching of a rift valley : Evidence from the Lord Howe Rise and the southeastern Australian margin. *Earth Planet. Sci. Lett.* 39 : 226-34.
- KAMERLING, P. 1966: Sydney Basin offshore. *APEA Jl* 6 : 76-80.
- KARIG, D.E. 1971: Origin and development of marginal basins in the western Pacific. *J. geophys. Res.* 75(2) : 239-54.
- KENNETT, J.P. 1973: Middle and late Cenozoic planktonic foraminiferal biostratigraphy of the Southwest Pacific, DSDP, Leg 21. *In* Burns, R.E.; Andrews, J.E. *et al.* 1974: "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 575-639.
- KENNETT, J.P.; HOUTZ, R.E. *et al.* 1974: "Initial Reports of the Deep Sea Drilling Project, Volume 29". Washington. (U.S. Government Printing Office) : 1197 p.
- KINSEY, D.W.; DAVIES, P.J. 1981: Effects of elevated nitrogen and phosphorus on coral reef growth. *Limnol. Oceanogr.* 24(5) : 935-40.

- KINSMAN, D.J.J. 1975: Rift valley basins and sedimentary history of trailing continental margins. Pp 83-126 in Fischer, A.G.; Judson, S. (eds) "Petroleum and Global Tectonics". Princeton University Press, New Jersey.
- KLEIN, G.deV. 1975: Depositional facies of Leg 30, Deep Sea Drilling Project sediment cores. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington (U.S. Government Printing Office) : 423-42.
- KLITGORD, K.D.; HEUSTIS, S.P.; MUDIES, J.D.; PARKER, R.L. 1975: An analysis of near-bottom magnetic anomalies : Seafloor spreading and the magnetised layer. *Geophys. J. R. astr. Soc.* 43 : 387-424.
- KRAUSE, D.C. 1967: Bathymetry and geologic structure of the northwestern Tasman Sea-Coral Sea-South Solomon Sea area of the Southwest Pacific Ocean. *Mem. N.Z. oceanogr. Inst.* 41 : 46 p.
- KREBS, B.N. 1964: Bibliography of the oceanography of the Tasman and Coral Seas. 1860-1960. *Mem. N.Z. oceanogr. Inst.* 24 : 27 p.
- KRESS, A.G.; VEEH, H.H. 1980: Geochemistry and radiometric ages of phosphatic nodules from the continental margin of northern New South Wales, Australia. *Mar. Geol.* 36(1-2) : 143-57.
- KROENKE, L.W.; BARDSLEY, E. 1975: Bibliography of geology and geophysics of the South Pacific. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 1 : 91 p.
- LABRECQUE, J.L.; KENT, D.V.; CANDE, S.C. 1977: Revised magnetic polarity time scale for Late Cretaceous and Cenozoic time. *J. Geol.* 5 : 330-35.
- LANDMESSER, C.W. 1974: Submarine geology of the eastern Coral Sea basin, Southwest Pacific. Unpubl. M.Sc. thesis, University of Hawaii, Honolulu. 64 p.
- LANDMESSER, C.W.; ANDREWS, J.E.; PACKHAM, G.H. 1975: Aspects of the geology of the eastern Coral Sea and the western New Hebrides basin. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 647-62.
- LAPOUILLE, A. 1977: Magnetic surveys over the rises and basins in the Southwest Pacific. Pp 15-27 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- LAUNAY, J.; DUPONT, J. *et al.* 1977: Seismic traverses across the northern Lord Howe Rise and comparison with the southern part (Southwest Pacific). Pp 155-64 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- LILLEY, F.E.M.; SLOANE, M.N.; SASS, J.H. 1977: A compilation of Australian heatflow measurements. *J. geol. Soc. Aust.* 24 : 439-45.
- LING, H.Y.; MCPHERSON, L.M. 1973: Polycystine Raiolaria from surface sediments of the northern Tasman Sea. Pp 281-84 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- LIN'KOVA, T.I.; GORODNITSKY, A.M.; RAIKEVICH, M.I. 1983: Magnetism of igneous rocks in the Southwestern Pacific. *Progm. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 148.
- LOUTIT, T.S.; KENNETT, J.P. 1981: Australasian Cenozoic sedimentary cycles, global sea level changes and the deep sea sedimentary record. In "Geology of Continental Margins Symposium", July 1980, Paris. *Proc. 26th Int. Geol. Congr., Paris* : 455-63.
- LOUTIT, T.S.; KENNETT, J.P. 1981: New Zealand and Australian Cenozoic sedimentary cycles and global sea-level changes. *Bull. Am. Ass. Petrol. Geol.* 65(9) : 1586-1601.
- LONGREACH OIL LTD, 1969: Broken Bay marine seismic survey. *BMR Aust. Petrol. Search Subs Act Rep.* 69/3070. (unpubl.)
- LONGREACH OIL LTD, 1970: Broken Bay South marine seismic survey. *BMR Aust. Petrol. Search Subs Act Rep.* 70/803. (unpubl.)
- LONGREACH OIL LTD, 1971: Sealion marine survey. *BMR Aust. Petrol. Search Subs Act Rep.* 71/398. (unpubl.)
- MCDougall, I.; EMBLETON, B.J.J.; STONE, D.B. 1981: Origin and evolution of Lord Howe Island, Southwest Pacific Ocean. *J. geol. Soc. Aust.* 28(1) : 155-76.

- MCDougall, I.; Van Der Lingen, G.J. 1974: Age of the rhyolites on the Lord Howe Rise and the evolution of the Southwest Pacific Ocean. *Earth Planet. Sci. Lett.* 21 : 117-26.
- McLean, R.F.; Stoddart, D.R. 1978: Reef island sediments of the northern Great Barrier Reef. In "The Northern Great Barrier Reef". *Phil. Trans. R. Soc. A291* : 101-17.
- McLean, R.F.; Stoddart, D.R. *et al.* 1978: Sea-level change in the Holocene on the northern Great Barrier Reef. In "The Northern Great Barrier Reef". *Phil. Trans. R. Soc. A291* : 167-86.
- MAGELLAN PETROLEUM EXPLORATION LTD, 1970: South Sydney Basin seismic and magnetic survey. *Petrol. Search Subs Act Rep.* (by Sabitary, A.) (unpubl.)
- MAIN, W.deL.; MCKNIGHT, D.G. 1981: Norfolk Island Bathymetry. *N.Z. oceanogr. Inst. Chart, Island Ser. 1:200,000.*
- MARSHALL, J.F. 1979: The development of the continental shelf of northern New South Wales. *BMR Jl Aust. Geol. Geophys.* 4(3) : 281-88.
- MARSHALL, J.F.; COOK, P.J. 1980: Petrology of iron- and phosphorus-rich nodules from the East Australian continental shelf. *J. geol. Soc. Lond.* 137 : 765-71.
- MARSHALL, J.F.; DAVIES, P.J. 1978: Skeleta carbonate variation on the continental shelf of eastern Australia. *BMR Jl Aust. Geol. Geophys.* 3 : 85-92.
- MARSHALL, J.F.; DAVIES, P.J. 1981: Submarine lithification on windward reef slopes : Capricorn-Bunker Group, southern Great Barrier Reef. *J. sedim. Petrol.* 51 : 955-60.
- MATTI, J.C.; ZEMMELS, I.; COOK, H.E. 1973: Mineralogy and mineralogic trends in sediments from the Tasman and Coral Seas, Leg 21, Deep Sea Drilling Project. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 723-50.
- MAXWELL, W.G.H. 1968: "Atlas of the Great Barrier Reef". Elsevier, Amsterdam.
- MAXWELL, W.G.H. 1968: Relict sediments, Queensland continental shelf. *Aust. J. Sci.* 31(2) : 85-86.
- MAXWELL, W.G.H. 1969: The structure and development of the Great Barrier Reef. Pp 353-74 in Campbell, K.S.W. (ed.) "Stratigraphy and Paleontology : Essays in Honour of Dorothy Hill". Australian National University Press, Canberra.
- MAXWELL, W.G.H. 1971: General character of the Australian shelf. Pp 11-39 in "Offshore Australia - The Continental Shelf, the Slope, and Beyond". Bank of New South Wales, Sydney. 68 p.
- MAYNE, S.J.; NICHOLAS A.L. *et al.* 1974: Geology of the Sydney Basin : A review. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 149.
- MIDDLETON, M.F. 1982: The subsidence and thermal history of the Bass Basin, south-eastern Australia. *Tectonophysics* 87(1-4) : 383-97.
- MILLS, J.M.; FITCH, T.J. 1973: Thrust faulting and crust mantle-structure in East Australia. *Phil. Trans. R. Soc., Lond.* A286.
- MOLNAR, P.; ATWATER, T.; MAMMERICKX, J.; SMITH, S.M. 1975: Magnetic anomalies, bathymetry, and tectonic evolution of the South Pacific since the Late Cretaceous. *Geophys. J. R. astr. Soc.* 49 : 383-420.
- MUIRHEAD, K.J.; CLEARY, J.R.; FINLAYSON, D.M. 1977: Long-range seismic profile in southeastern Australia. *Geophys. J. R. astr. Soc.* 48 : 509-19.
- MUTTER, J.C. 1973: Aspects of the structure and tectonic history of the continental margin of northern Queensland. *BMR Rec.* 1973/107. (unpubl.)
- MUTTER, J.C. 1974: Geophysical results from the Coral Sea : Continental margins survey report. *BMR Rec.* 1974/116. (unpubl.)
- MUTTER, J.C. 1975: A structural analysis of the Gulf of Papua and northwest Coral Sea region. *BMR Rec.* 1975/179. (unpubl.)
- MUTTER, J.C. 1975: Basin evolution and marginal plateau subsidence in the Coral Sea. *Bull. Aust. Soc. explor. Geophys.* 6(2/3) : 35-37.
- MUTTER, J.C. 1976: The relation between basin evolution and marginal plateau subsidence in the Coral Sea. In Glasby, G.P.; Katz, H.R. (eds) "Marine Geological Investigations in the Southwest Pacific and Adjacent Areas". Papers presented at the I.D.O.E. Workshop, Suva, Fiji, September 1975. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 2 : 129-32.

- MUTTER, J.C. 1977: The Queensland Plateau. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 179 : 55 p.
- MUTTER, J.C.; JONGSMA, D. 1978: The pattern of the pre-Tasman Sea rift system and the geometry of breakup. *Bull. Aust. Soc. explor. Geophys.* 9(3) : 70-75.
- MUTTER, J.C.; KARNER, G. 1978: Cretaceous tephrogeny in the Coral Sea. *Bull. Aust. Soc. explor. Geophys.* 9(3) : 82-87.
- MUTTER, J.C.; KARNER, G.D. 1980: The continental margin off northeast Australia. Pp 47-69 in Henderson, R.A.; Stephenson, P.J. (eds) "The Geology and Geophysics of Northeastern Australia". Geological Society of Australia, Queensland Division, Brisbane.
- N.S.W. OIL AND GAS N.L. 1970: Charlotte Head marine seismic survey. *BMR Aust. Petrol. Search Subs Act Rep.* 70/828. (unpubl.)
- O'BRIEN, G.W.; HARRIS, J.R.; MILNES, A.R.; VEEH, H.H. 1981: Bacterial origin of east Australian continental margin phosphorite. *Nature, Lond.* 294(5840) : 442-44.
- OPPEL, T.W. 1970: Exploration of the southwest flank of the Papuan basin. *APEA Jl* 10(20) : 62-69.
- ORME, G.R.; FLOOD, P.G. 1980: Sedimentation in the Great Barrier Reef Province, adjacent bays and estuaries. Pp 419-34 in Henderson, R.A.; Stephenson, P.J. (eds) "The Geology and Geophysics of Northeastern Australia". Geological Society of Australia, Queensland Division, Brisbane.
- ORME, G.R.; FLOOD, P.G.; SARGENT, G.E.C. 1978: Sedimentation trends in the lee of outer (ribbon) reefs, northern region of the Great Barrier Reef Province. In "The Northern Great Barrier Reef". *Phil. Trans. R. Soc. A291* : 85-99.
- ORME, G.R.; WEBB, J.P.; KELLAND, N.C.; SARGENT, G.E.C. 1978: Aspects of the geological history and structure of the northern Great Barrier Reef. In "The Northern Great Barrier Reef". *Phil. Trans. R. Soc. A291* : 25-35.
- OSMOND, J.K.; COCHRAN, J.K. 1973: Sediment accumulation rates in the Tasman Sea. *Antarct. Jl U.S.* 8(5) : 291-93.
- PACKHAM, G.H.; ANDREWS, J.E. 1975: Results of Leg 30 and the geologic history of the Southwest Pacific Arc and marginal sea complex. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 691-705.
- PACKHAM, G.H.; FALVEY, D.A. 1971: An hypothesis for the formation of marginal seas in the western Pacific. *Tectonophysics* 11 : 79-109.
- PACKHAM, G.H.; LEITCH, E.C. 1974: The role of plate tectonics theory in the interpretation of the Tasman Biogenic Zone. In "The Tasman Geosyncline. A Symposium held in Honour of Prof. Dorothy Hill, July 1974". Geological Society of Australia, Queensland Division, Brisbane.
- PACKHAM, G.H.; VAN DER LINGEN, G.J. 1973: Progressive carbonate diagenesis at DSDP sites 206, 207, 208, and 210 in the South Pacific and its relationship to sediment physical properties and seismic reflectors. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 495-511.
- PALMIERI, V. 1974: Correlation and environmental trends of the subsurface Tertiary Capricorn Basin. *Rep. geol. Surv. Qd* 86.
- PALMIERI, V. 1983: Neogene Foraminifera from GSQ Cape 1-3R: Their relationship with the Capricorn Basin stratigraphy. *Progm. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 182.
- PAYNE, R.R.; CONOLLY, J.R. 1972: Pleistocene manganese pavement production; its relationship to the origin of manganese in the Tasman Sea. Pp 81-92 in Horn, D.R. (ed.) "Ferromanganese Deposits on the Ocean Floor". National Science Foundation, Washington, D.C. 293 p.
- PINCHIN, J. 1976: Velocity analysis of two seismic sections across the Queensland Trough. *BMR Rec.* 1976/58.
- PINCHIN, J.; HUDSPETH, J.W. 1974: The Queensland Trough : Some recent geophysical results, and its petroleum potential. *BMR Rec.* 1974/170.  
also in : *APEA Jl* 15 : 21-32.

- POLACH, H.A.; MCLEAN, R.F.; CALDWELL, J.R.; THOM, B.G. 1978: Radiocarbon ages from the northern Great Barrier Reef. In "The Northern Great Barrier Reef". *Phil. Trans. R. Soc. A291* : 139-58.
- RASIDI, J.; SMART, J. 1979: Halifax Basin. *Qd Govt Min. J. 80(930)* : 150-56.
- REISZ, E.J.; MOSS, F.J. 1971: Regional marine geophysical surveys in the Australian area. *BMR Rec. 1971/119*. (unpubl.)
- RICHARDS, K.A.; HOPKINS, B.M. 1968: Exploration in the Gippsland, Bass, and Otway Basins, Australia. "ECAFE Natural Resources Symposium". Development & Petroleum Resources, Canberra. 144 p. (unpubl.)
- RINGIS, J. 1970: Magnetic lineation in the Tasman. *Geoexploration 8(3-4)* : 250.
- RINGIS, J. 1972: The structure and history of the Tasman Seamount the Southeast Australian region. Unpubl. Ph.D. thesis, University of New South Wales. 338 p.
- RINGIS, J. 1975: The relationship between structures on the southeast Australian margin and in the Tasman Sea. *Bull. Aust. Soc. explor. Geophys. 6(2/3)* : 39-41.
- ROOTS, W.D. 1975: A better fit for Tasman Sea magnetics and re-appraisal of Tasman Sea opening. *Bull. Aust. Soc. explor. Geophys. 6(2/3)* : 42.
- ROY, P.S.; THOM, B.G. 1981: Late Quaternary marine deposition in New South Wales and southern Queensland - An evolutionary model. *J. geol. Soc. Aust. 28* : 471-89.
- RYAN, T.V.; VAN DER LINDEN, W.J.M. 1970: The R.V. *Oceanographer's* global cruise, Leg 11, Sydney to Wellington, 20 September - 2 October 1967. *N.Z. J. Geol. Geophys. 13(1)* : 292-94.
- RYNN, J.M.W. 1979: Refraction profiles in southeast Australia conducted by ASES in 1974 - Preliminary report. *BMR Rec. 1979/2*.
- SCHEIBNER, E. 1979: Relationship of transform faults in the Tasman Sea to crustal fractures in New South Wales. *BMR Rec. 1979/2*.
- SCOFFIN, T.P.; MCLEAN, R.F. 1978: Exposed limestones of the Northern Province of the Great Barrier Reef. In "The Northern Great Barrier Reef". *Phil. Trans. R. Soc. A291* : 119-38.
- SEARLE, D.E.; HARVEY, N. 1982: Interpretation of inter-reefal seismic data : A case study from Michaelmas Reef, Australia. *Mar. Geol. 46* : M9-M16.
- SHAFIK, S. 1975: Nannofossil biostratigraphy of the Southwest Pacific, DSDP Leg 30. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 549-98.
- SHAW, R.D. 1977: A two-dimensional gravity interpretation of a continental margin setting. *Bull. Aust. Soc. explor. Geophys. 8(4)* : 129-33.
- SHAW, R.D. 1978: Seafloor spreading in the Tasman Sea : A Lord Howe Rise - Eastern Australian reconstruction. *Bull. Aust. Soc. explor. Geophys. 9(3)* : 75-81.
- SHAW, R.D. 1979: On the evolution of the Tasman Sea and adjacent continental margins. Unpubl. Ph.D. thesis, University of Sydney, Australia. 312 p.
- SHELL DEVELOPMENT (AUST.) PTY LTD, 1964: Sydney offshore seismic survey. *BMR Aust. Petrol. Search Subs Act Rep. 64/4565*. (unpubl.)
- SHELL DEVELOPMENT (AUST) PTY LTD, 1965: Offshore seismic survey, Sydney Basin, N.S.W. (Pel's 112 and 70). *BMR Aust. Petrol. Search Subs Act. Rep.* (by I.D. Bruce) (unpubl.)
- SHELL DEVELOPMENT (AUST.) PTY LTD, 1966: Sydney-Newcastle offshore aeromagnetic survey. *BMR Aust. Petrol. Search Subs Act Rep. 66/4622*. (unpubl.)
- SHIBAOKA, M.; SAXBY, J.D.; TAYLOR, G.H. 1978: Hydrocarbon generation in Gippsland Basin, Australia - Comparison with Cooper Basin, Australia. *Bull. Am. Ass. Petrol. Geol. 62(7)* : 1151-58.
- SHOR, G.C. 1967: Seismic refraction profile in Coral Sea basin. *Science, N.Y. 158 (3803)* : 911-13.
- SHOR, G.G.; KIRK, H.K.; MENARD, H.W. 1971: Crustal structure of the Melanesian area. *J. geophys. Res. 76(11)* : 2562-86.
- SLATER, R.A.; GOODWIN, R.M. 1973: Tasman Sea guyots. *Mar. Geol. 14* : 81-99.
- SMART, J.; RASIDI, J.S. 1979: Geology and petroleum potential of the Laura Basin, Torres Shelf and Papua Basin, Queensland. *Qd Govt Min. J. 80(9)* : 267-79.

- SOLOMON, M. 1980: Hot-water plumes on the ocean floor : Clues to submarine ore formation. *J. geol. Soc. Aust.* 27(1) : 89-90.
- SOLOMON, M.; GRIFFITHS, J.R. 1972: Tectonic evolution of the Tasman Orogenic Zone, eastern Australia. *Nature, Lond.* 273 : 3-6.
- STANDARD, J.C. 1961: Submarine geology of the Tasman Sea. *Bull. geol. Soc. Am.* 72 : 1777-88.
- STANDARD, J.C. 1963: Geology of Lord Howe Island. *J. Proc. R. Soc. N.S.W.* 96 : 107-21.
- STEERS, J.A. 1978: Concluding remarks. In "The Northern Great Barrier Reef". *Phil. Trans. R. Soc. A291* : 195-96.
- STEVENS, G.R. 1977: Mesozoic biogeography of the Southwest Pacific and its relationship to plate tectonics. Pp 309-26 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- STODDART, D.R. 1978: The Great Barrier Reef and the Great Barrier Reef Expedition 1973. In "The Northern Great Barrier Reef". *Phil. Trans. R. Soc. A291* : 5-22.
- STOESER, D.B. 1975: Igneous rocks for Leg 30 of DSDP. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 401-14.
- SUGGATE, R.P. 1974: Coal ranks in relation to depth and temperature in Australia and New Zealand oil and gas wells. *N.Z. J Geol. Geophys.* 17(1) : 149-67.
- SUTHERLAND, F.L. 1983: Do the Coral, Tasman, New Hebrides and South Fiji sea floors control big basalt volcanoes in Australia and New Zealand? (Abstr.) *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 230.
- SWARBRICK, C.F.J. 1976: Halifax Basin. In Knight, C.L. (ed.) "Economic Geology of Australia and Papua New Guinea : 3. Petroleum". *Monogr. Ser. Aust. Inst. Min. Metall.* 7 : 458-59.
- SYMONDS, P.A. 1973: The structure of the north Tasman Sea. *BMR Rec.* 1973/167. (unpubl.)
- SYMONDS, P.A.; CAMERON, P.J. 1972: BMR proposal for drill sites for Legs 28 and 29 of the Deep Sea Drilling Project. *BMR Rec.* 1972/11. (unpubl.)
- SYMONDS, P.A.; DAVIES, P.J.; PARISI, A. 1983: Structure and stratigraphy of the Great Barrier Reef. *BMR Jl Aust. Geol. Geophys.* 8(3) : 277-91.
- SYMONDS, P.A.; FRITSCH, J.; SCHLUTER, H.V. 1982: Continental margin around western Coral Sea basin : Structural elements, seismic sequences and petroleum geological aspects. (Abstr.) *Prog. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 45.  
also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 985.
- SYMONDS, P.A.; WILLCOX, J.B. 1976: The gravity field of offshore Australia, a brief description. *BMR Jl Aust. Geol. Geophys.* 1(4) : 303-14.
- TAYLOR, L.W.H. 1977: The western Coral Sea : Sedimentation and tectonics. Unpubl. Ph.D. thesis, University of Sydney, Australia. 193 p.
- TAYLOR, L.W.H.; FALVEY, D.A. 1977: Queensland Plateau and Coral Sea basin : Stratigraphy, structure and tectonics. *APEA Jl* 17 : 13-29.
- TAYLOR, P.T.; BRENNAN, J.A. 1969: Airborne magnetic data cross the Tasman Sea. *Nature, Lond.* 224(5224) : 1100-2.
- TEMPLE, P.G. 1972: Structure of island arcs bounding the Australian continental plate. *APEA Jl* 12 : 74-79.
- TERRILL, A. 1975: Depositional and tectonic patterns in the northern Lord Howe Rise-Mellish Rise area. *Bull. Aust. Soc. explor. Geophys.* 6(2/3) : 37-39.
- TERRILL, A. 1976: Submarine geology of the northern Lord Howe Rise-Mellish Rise area. Unpubl. M.Sc. thesis, University of Sydney, Australia. 64 p.
- THIEDE, J. 1976: Late Quaternary paleo-oceanography of the Southwest Pacific Ocean. (Abstr.) *EOS Trans. Am. geophys. Un.* 57(12) : 935.
- THOM, B.G.; CHAPPELL, J. 1978: Holocene sea level change : An interpretation. In "The Northern Great Barrier Reef". *Phil. Trans. R. Soc. A291* : 187-94.

- THOM, B.G.; ORME, G.R.; POLACH, H.A. 1978: Drilling investigation of Bewick and Stapleton Islands. In "The Northern Great Barrier Reef". *Phil. Trans. R. Soc. A291* : 37-54.
- THRELFALL, W.F.; BROWN, B.R.; GRIFFITHS, B.R. 1976: Petroleum geology of the offshore Gippsland Basin. In Knight, C.L. (ed.) "Economic Geology of Australia and Papua New Guinea. 3 : Petroleum". *Monogr. Ser. Aust. Inst. Min. Metall.* 7 : 41-66.
- TUDHOPE, S. 1983: The role of *Callianassa* in lagoonal sedimentation (Davies Reef, Great Barrier Reef), and its implication for the interpretation of ancient limestones. (Abstr.) *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 242.
- VAN DER LINDEN, W.J.M. 1967: Structural relationships in the Tasman Sea and Southwest Pacific Ocean. *N.Z. Jl Geol. Geophys.* 10 : 1280-301.
- VAN DER LINDEN, W.J.M. 1969: Extinct mid-ocean ridges in the Tasman Sea and in the western Pacific. *Earth Planet. Sci. Lett.* 6(6) : 483-90.
- VAN DER LINDEN, W.J.M. 1969: Rotation of the Melanesian complex and of West Antarctica : A key to the configuration of Gondwana? *Palaeogeogr. Palaeoclim. Palaeoecol.* 6(1) : 37-44.
- VAN DER LINDEN, W.J.M. 1970: Morphology of the Tasman Sea floor. *N.Z. Jl Geol. Geophys.* 13(1) : 282-91.
- VAN DER LINDEN, W.J.M. 1972: Structure of the sea floor west of New Zealand. (Abstr.) *EOS Trans. Am. geophys. Un.* 53(4).
- VAN DER LINDEN, W.J.M.; HERZER, R.H. 1975: Port Jackson Bathymetry. *N.Z. oceanogr. Inst. Chart, Oceanic Ser. 1:1,000,000*.
- VAN DER LINGEN, G.J. 1973: The Lord Howe Rise rhyolites. In Burns, R.E.; Andrews, J.E. *et al* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 523-39.
- VAN DER LINGEN, G.J. 1973: Ichnofossils in deep-sea cores from the Southwest Pacific. In Burns, R.E.; Andrews, J.E. *et al*. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 693-700.
- VAN DER LINGEN, G.J.; ANDREWS, J.E.; BURNS, R.E. *et al*. 1973: Lithostratigraphy of eight drill sites in the Southwest Pacific - Preliminary results of Leg 21 of the DSDP. Pp 299-313 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- VEEVERS, J.J.; JONES, J.G.; POWELL, C.McA. 1982: Tectonic framework of Australia's sedimentary basins. *APEA Jl* 22(1) : 283-300.
- VOGT, P.R.; CONOLLY, J.R. 1971: Tasmanid guyots, the age of the Tasman Basin, and motion between the Australian plate and the mantle. *Bull. geol. Soc. Am.* 82(9) : 2577-83.
- VON DER BORCH, C.C. 1970: Phosphatic concretions and nodules from the upper continental slope, northern New South Wales. *J. geol. Soc. Aust.* 16 : 755-59.
- VON HERZEN, R.P. 1973: Geothermal measurements, Leg 21, DSDP. In Burns, R.E.; Andrews, J.E. *et al*. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 443-57.
- WEBB, P.N. 1973: Preliminary comments on Maastrichtian-Paleocene Foraminifera from Lord Howe Rise, Tasman Sea. Pp 321-24 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- WEBB, P.N. 1973: Upper Cretaceous-Paleocene Foraminifera from site 208 (Lord Howe Rise, Tasman Sea), DSDP, Leg 21. In Burns, R.E.; Andrews, J.E. *et al*. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 541-73.
- WEISSEL, J.K.; HAYES, D.E. 1977: Evolution of the Tasman Sea reappraised. *Earth Planet. Sci. Lett.* 36 : 77-84.
- WEISSEL, J.K.; HAYES, D.E.; HERRON, E.M. 1976: Plate tectonic synthesis : The relative motions of the Australia, New Zealand and Antarctic continental fragments since the Early Cretaceous. (Abstr.) *Proc. 25th Int. geol. Congr., Sydney*.
- WEISSEL, J.K.; WATTS, A.B. 1979: Tectonic evolution of the Coral Sea basin. *J. geophys. Res.* 83 : 4572-82.



- WEST, B.G.; DAVIES, P.J. 1981: The determination of suspended-sediment loads in the southern Great Barrier Reef : Field techniques. *BMR Jl Aust. Geol. Geophys.* 6(2) : 181-85.
- WILLCOX, J.B. 1981: Petroleum prospectivity of Australian marginal plateaus. Pp 245-72 in Halbouty, M.T. (ed.) "Energy Resources of the Pacific Region". American Association of Petroleum Geologists, Tulsa. 578 p.
- WILLCOX, J.B.; SYMONDS, P.A. 1980: Structure, seismic stratigraphy and petroleum potential of the Lord Howe Rise area. (Abstr.) In "Second International Workshop on Geology, Mineral Resources and Geophysics of the South Pacific", New Caledonia, October 1980. CCOP/SOPAC-IOC/WESTPAC.
- WILLCOX, J.B.; SYMONDS, P.A.; HINZ, K.; BENNETT, D. 1980: Lord Howe Rise, Tasman Sea : Preliminary geophysical results and petroleum prospects. *BMR Jl Aust. Geol. Geophys.* 5 : 225-36.
- WILLCOX, J.B.; SYMONDS, P.A.; BENNETT, D.; HINZ, K. 1981: Lord Howe Rise area, offshore Australia. Preliminary results of a co-operative Federal Republic of Germany/Australia geophysical survey. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 228.
- WINTERER, E.L. 1970: Submarine valley systems around the Coral Sea basin (Australia). *Mar. Geol.* 8 : 229-44.
- WOODSIDE (Lakes Entrance) OIL CO., 1966: Summary of data and results, Gippsland Basin, Victoria : Southwest Bairnsdale No.1 well, Duckbay No.1 well. *BMR Aust. Petrol. Search Subs Act Rep.* 77 : 74 p. (unpubl.)
- WOODWARD, D.J. 1970: Gravity and magnetic anomalies over the Derwent-Hunter guyot, Tasman Sea. *N.Z. Jl Geol. Geophys.* 13(1) : 117-25.
- WOODWARD, D.J.; HUNT, T.M. 1971: Crustal structure across the Tasman Sea. *N.Z. Jl Geol. Geophys.* 14 : 39-45.
- ZEMMELS, I.; COOK, H.E.; MATTI, J.C. 1975: X-ray mineralogy data, Tasman Sea and far western Pacific, Leg 30, DSDP. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 603-16.

**BIBLIOGRAPHY OF  
GEOLOGY AND GEOPHYSICS  
OF THE COOK ISLANDS**

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A bibliography by E. Bardsley published in 1975 (*Misc. Publs N.Z. oceanogr. Inst.* 68 : 13 p) has been used as the basis of this present work and has been extended to include references up to February 1983. It includes those papers presented at the 15th Pacific Science Congress held in Dunedin, New Zealand, in that month.

This bibliography was compiled from a search of the relevant journals in the library of the N.Z. Oceanographic Institute, together with computer searches through GEOREF and GEOARCHIVE data bases made by the Librarian at N.Z.O.I. Because many of the references came from reference lists, abstracting journals, and computer searches rather than the journal itself, they have not been seen and so have not been verified.

## COOK ISLANDS

- ADAMS, R.D. 1979: T-phase recordings at Rarotonga from underground nuclear explosions. *Geophys. J. R. astr. Soc.* 58 : 361-69.
- AGASSIZ, A. 1900: Exploration of the *Albatross* in the Pacific Ocean. *Am. J. Sci., Ser. 4*, 9 : 33-43.
- AGASSIZ, A. 1903: The coral reefs of the tropical Pacific. *Mem. Mus. comp. Zool. Harv.* 28 : 168-74.
- ANDREWS, J.E.; MELGUEN, M. 1980: Influence of the Aitutaki Passage structure and sedimentation on the manganese nodule distribution and growth. *Proc. 26th Int. Geol. Congr., Paris 26(3)* : 896.
- ANON. 1923: The Cook Islands and their resources. *Bull. imp. Inst. Lond.* 21(3) : 470-90.
- ANON. 1928: The Cook Islands. *N.Z. Jl Sci. Technol.* 9 : 360-73.
- ANON. 1974: Manganese (Cook Islands). *Miner. Trade Notes 71(11)* : 12.
- ANON. 1976: Manganese nodules found in offshore areas of Cook Islands. *Newsl. Commonw. Geol. Liaison Off. (London)* 12 : 15-16.
- BÄCKER, H.; GLASBY, G.P.; MEYLAN, M.A. 1976: Manganese nodules from the South-western Pacific Basin. *NZOI oceanogr. Fld Rep.* 6 : 88 p.
- BARDSLEY, E. 1975: Preliminary bibliography on the geology and geophysics of the Cook Islands and Niue. *Misc. Publs N.Z. oceanogr. Inst.* 68 : 13 p.
- BASSETT, I.G.; THOMSON, K.W. 1968: Land use and agrarian change on Aitutaki, Cook Islands. *S. Pacif. Bull.* 18(1) : 25-30.
- BELTRAN Y ROZPIDE, R. 1883: Los Islas Cook y Tabuai y los Esparades Poliaesias. *Bolm. Soc. Geogr. Madrid* 15 : 326-37.
- BEZRUKOV, P.L. 1971: The main scientific results of the 48th voyage of the R.V. *Vityaz* in the Pacific Ocean. (May to September 1970). *Oceanology* 11 : 457-63.
- BEZRUKOV, P.L. 1973: On the sedimentation in the northern part of the South Pacific. Pp 217-19 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- BIRRELL, K.S. 1938: Phosphate fixation in some New Zealand and Pacific Island soils. *N.Z. Jl Sci. Technol.* 18(10) : 652-56.
- BOYCE, R.E. 1976: Sound velocity-density parameters of sediment and rock from DSDP drill sites 315-18 on the Line Islands chain, Manihiki Plateau, and Tuamotu Ridge in the Pacific Ocean. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 695-728.
- BRIGHAM, W.T. 1900: Index to the islands of the Pacific Ocean. *Bull. Bernice P. Bishop Mus.* 1(2) : 172 p.
- BRUCE, J.G. 1972: Soils of Manuae and Palmerston Islands, two coral atolls in the Cook Islands. *N.Z. Jl agric. Res.* 15 : 605-19.
- BRYAN, E.H. 1951: Central and western Polynesia. In Freeman, G.W. (ed.) "Geography of the Pacific". John Wiley & Sons, New York.
- BRYAN, E.G. 1953: Introduction to the geography of atolls. *Atoll Res. Bull.* 17 : 1-9.
- BRYAN, E.G. 1953: Check list of atolls. *Atoll Res. Bull.* 19 : 38 p.
- BUKRY, D. 1976: Cocolith stratigraphy of Manihiki Plateau, central Pacific Deep Sea Drilling Project, Site 317. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 493-502.
- BULLIVANT, J.S. 1962: Manihiki Atoll Bathymetry, 1:19,000. *N.Z. oceanogr. Inst. Chart, Misc. Ser.* 4.
- BULLIVANT, J.S. 1974: Manihiki Atoll survey 1960 : General account and station list. *Mem. N.Z. oceanogr. Inst.* 31 : 5-16.
- BULLIVANT, J.S.; MCCANN, C. 1974: Contributions to the natural history of Manihiki Atoll, Cook Islands. *Mem. N.Z. oceanogr. Inst.* 31 : 63 p.

- CAMPBELL, I.B. 1980: Soil map of Atiu, Cook Islands. Scale 1:15,000. *N.Z. Soil Bur. Map* 168.
- CAMPBELL, I.B.; CLARIDGE, G.G.C.; BLAKEMORE, L.C. 1978: Pedological study of soils from basaltic parent material on the island of Atiu, Cook Islands. *N.Z. Jl Sci.* 21(2) : 229-48.
- CHUBB, L.J. 1927: Mangaia and Rurutu : A comparison between two Pacific islands. *Geol. Mag.* 64 : 518-22.
- CHUBB, L.J. 1934: The structure of the Pacific Basin. *Geol. Mag.* 71(7) : 287-301.
- CLAGUE, D.A. 1976: Petrology of basaltic and gabbroic rocks dredged from the Danger Island Troughs, Manihiki Plateau. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 891-912.
- CLARIDGE, G.C.C. 1980: Economic potential of clay deposits in selected South Pacific countries. *CCOP/SOPAC Tech. Rep. 9 and Proc. 9th Sess. CCOP/SOPAC* : 78-86.
- CLARIDGE, G.G.C. 1983: Clay mineral trends in the South Pacific. (Abstr.) *Progm. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 44.
- CLARIDGE, G.G.C.; PERCIVAL, H.J. 1980: Clay for brick-making : A study of the suitability of the soils of the Pacific Islands. *N.Z. Jl Sci.* 23(4) : 335-42.
- COCKERHAM, R.S.; JARRARD, R.D. 1976: Paleomagnetism of some Leg 33 sediments and basalts. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 631-47.
- COMMONWEALTH SECRETARIAT, 1976: Cook Islands Minerals – proposals for a regime to govern their exploitation. Report of a Mission from the Technical Assistance Group of the Commonwealth Fund for Technical Co-operation. Commonwealth Secretariat, Marlborough House, London. 42 p.
- COOK, H.E.; ZEMMELS, I. 1976: X-ray mineralogy data from the Central Pacific, Leg 33, DSDP. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 539-55.
- COTTON, C.A. 1952: "Volcanoes as Landscape Forms". 2nd Edition. Whitcombe & Tombs, Wellington.
- COWIE, J.D. 1980: Soils from andesitic tephra and their variability, Tongatapu, Kingdom of Tonga. *Aust. J. Soil Res.* 18 : 273-84.
- CROSSLAND, C. 1928: Coral reefs of Tahiti, Moorea and Rarotonga. *J. Linn. Soc. (Zool.)* 36 : 577-620.
- CULLEN, D.J. 1981: Seamount phosphorite project – Tokelau – Cook phosphorite cruise No. 1113. *NZOI Cruise Rep. R.V. Tangaroa 1113*. (unpubl.)
- CULLEN, D.J.; BURNETT, W.C. 1983: Seamount phosphatic deposits in the South Pacific Ocean. (Abstr.) *Progm. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 52-53.
- CUSHMAN, J.A. 1932: The foraminifera of the tropical Pacific collections of the *Albatross*, 1899-1900. Part 1. Astrorhizidae to Trochamminidae. *Bull. U.S. natn. Mus.* 161(1) : 88 p.
- CUSHMAN, J.A. 1933: The foraminifera of the tropical Pacific collections of the *Albatross*, 1899-1900. Part 2. Lagenidae to Alveolinellidae. *Bull. U.S. natn. Mus.* 161(2) : 79 p.
- CUSHMAN, J.A. 1942: The foraminifera of the tropical Pacific collections of the *Albatross*, 1899-1900. Part 3. Heterohelicidae and Buliminidae. *Bull. U.S. natn. Mus.* 161(3) : 67 p.
- DALRYMPLE, G.B.; JARRARD, R.D.; CLAGUE, D.A. 1975: K-Ar ages of some volcanic rocks from the Cook and Austral Islands. *Bull. geol. Soc. Am.* 86(10) : 1463-67.
- DANA, J.D. 1879: "Corals and Coral Islands". Dodd, Mead & Co., New York. 406 p.
- DARWIN, C. 1898: "The Structure and Distribution of Coral Reefs". 3rd Edition. Appleton & Co., New York. 344 p.
- DAVIS, W.M. 1926: The coral reef problem. *Spec. Pubs Am. geogr. Soc.* 9 : 596 p.
- DONNELLY, T.W. 1976: Major element chemistry of the Tertiary rock at Site 317 and the problem of the origin of the nonbiogenic fraction of pelagic sediments. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 557-62.

- EADE, J.V. 1971: Oceanographic observations undertaken on board HMNZS *Endeavour*, 28 August to 8 October 1969. *Bull. R. Soc. N.Z.* 8 : 121-24.
- EADE, J.V. 1973: Geographical distribution of living plankton foraminifera in the Southwest Pacific. Pp 249-56 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- EADE, J.V. 1979: Cook Islands offshore survey, 26 November-9 December 1978. Cruise CK-78(2). *CCOP/SOPAC Proj. Rep. 18* and *Proc. 8th Sess. CCOP/SOPAC* : 92, 97.
- EADE, J.V. 1980: Review of precious coral in CCOP/SOPAC member-countries. *CCOP/SOPAC Tech. Rep. 8*.
- EADE, J.V.; SAWTELL, G.H.; UTANGA, A.; CHUJO, J. 1977: Cruise report : Cook Islands offshore survey, 20 August-6 September 1977. *CCOP/SOPAC Proj. Rep. 11*.
- EXON, N.F. 1981: Manganese nodules in the Cook Islands region, Southwest Pacific. *S. Pacif. mar. geol. Notes 2(4)* : 47-65.
- EXON, N.F. 1983: The zonation with latitude of manganese nodule deposits in the tropical Southwest Pacific. (Abstr.) *Progm. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 70.
- EXON, N.F. 1983: Manganese nodule deposits in the central Pacific Ocean and their variation with latitude. *Mar. Mining 4* : 79-107.
- FIELDS, M.; SWINDALE, L.D.; RICHARDSON, J.P. 1952: The relation of colloidal hydrous oxides to the high cation exchange capacity of some tropical soils of the Cook Islands. *Soil Sci. 74* : 197-205.
- FODOR, R.V.; VAUER, G.R.; KEIL, K. 1982: Ultramafic inclusions and megacrysts in olivine nephelinite, Aitutaki Island, Cook Islands. *N.Z. Jl Geol. Geophys.* 25(1) : 67-76.
- FRASER, R. (comp.) 1971: Cook Bicentenary Expedition in the Southwest Pacific. *Bull. R. Soc. N.Z.* 8 : 141 p.
- FRIEDRICH, G.; GLASBY, G.P.; PLEUGER, W.; THIJSEN, T. 1980: Manganese nodule distribution and geochemistry in the Aitutaki Passage, Southwest Pacific. (Abstr.) *Proc. 26th Int. Geol. Congr., Paris 26(3)* : 932.
- FRIEDRICH, G.; GLASBY, G.P.; PLÜGER, W.L.; THIJSEN, T. 1981: Results of the recent exploration for manganese nodules in the South Pacific by R.V. *Sonne. Inter Ocean '81* : 72-81.
- GAUSS, G.A. 1981: Rarotonga nearshore surveys, CK-81(1), 6-26 April 1981. *CCOP/SOPAC Proj. Rep. 59*.
- GAUSS, G.A. 1982: Sea-bed survey for anchorages around Mangaia Island, southern Cook Islands, 5 October-3 November 1982. *CCOP/SOPAC Cruise Rep. 67*.
- GAUSS, G.A. 1982: Sea bed studies in nearshore areas of Rarotonga, Cook Islands. *S. Pacif. mar. geol. Notes 2(9)* : 131-54.
- GAUSS, G.A.; MORETON, D.L.E. 1981: Cruise report: Cook Islands offshore survey, CK-80(1), 21 March-7 April 1980. *CCOP/SOPAC Proj. Rep. 41* and *Proc. 9th Sess. CCOP/SOPAC* : 65.
- GIBBS, P.E.; STODDART, D.R.; VEEVERS, H.G. 1971: Coral reefs and associated communities in the Cook Islands. *Bull. R. Soc. N.Z.* 8 : 91-105.
- GIESKES, J.M. 1976: Interstitial water studies, Leg 35. In Schlanger, S.O.; Jackson, E.D. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 563-70.
- GILL, W. 1856: "Gems from the Coral Islands. Volume 2. Eastern Polynesia". Ward & Co., London. 320 p.
- GILL, W. 1892: "The South Pacific and New Guinea Past and Present; with notes on the Hervey Group . . ." Government Printer, Sydney, Australia. 38 p.
- GILMOUR, A.E. 1974: Tidal measurements at Manihiki Atoll. *Mem. N.Z. oceanogr. Inst.* 31 : 29-30.
- GLASBY, G.P. 1976: Manganese nodules in the South Pacific : A review. *N.Z. Jl Geol. Geophys.* 19(3) : 707-36.
- GLASBY, G.P. 1978: Notes on the surface texture, internal structure and mineralogy of manganese nodules from the South Penrhyn Basin. *S. Pacif. mar. geol. Notes 1(7)* : 71-80.

- GLASBY, G.P.; BÄCKER, H.; MEYLAN, M.A. 1975: Metal contents of manganese nodules from the Southwestern Pacific Basin. *Erzmetall.* 28(7/8) : 340-42.
- GLASBY, G.P.; BÄCKER, H.; MEYLAN, M.A.; MCDUGALL, J.C.; SINGLETON, R.J. 1974: Extensive manganese nodule province discovered in the Southwest Pacific near New Zealand. *Meerestechnik* 5 : 145-47.
- GLASBY, G.P.; MEYLAN, M.A.; MARGOLIS, S.V.; BÄCKER, H. 1980: Manganese deposits of the Southwestern Pacific Basin. Pp 137-83 in Varentsov, I.M.; Graselly, Gy (eds) "Geology and Geochemistry of Manganese. Volume 3. Manganese on the Bottom of Recent Basins". Akademic Kiado, Budapest. 357 p.
- GLASBY, G.P.; SINGLETON, R.J. 1975: Underwater photographs of manganese nodules from the Southwestern Pacific Basin. *N.Z. Jl Geol. Geophys.* 18(4) : 597-604.
- GOSSET, R.W.G. 1940: Notes on the discovery of Rarotonga. *Aust. Geogr.* 3(8) : 4-15.
- GRANGE, L.I. 1949: Soils of some South Pacific Islands. *Tech. Commun. Commonw. Bur. Soil Sci.* 46 : 45-48.
- GRANGE, L.I.; FOX, J.P. 1953: Soils of the Lower Cook Group. *Soil Bur. Bull. N.Z., n.s.* 8 : 56 p.
- GRIGG, R.W. 1980: Analysis of CCOP/SOPAC precious coral samples. *CCOP/SOPAC Tech. Rep.* 10.
- HARRINGTON, H.J. 1976: Tectonics of the Pacific Basin and the Circum-Pacific Rim; an annotated bibliography for the interval 1967-1975. The University of New England, Armidale. 202 p.
- HEALY, W.B. 1952: Note on zinc deficiency of citrus at Aitutaki, Cook Islands. *N.Z. Jl Sci. Technol. ser. A34(2)* : 228-29.
- HEEZEN, B.C.; GLASS, G.; MENARD, H.W. 1966: The Manihiki Plateau. *Deep-Sea Res.* 13 : 445-58.
- HOCHSTEIN, M.P. 1967: Seismic measurements in the Cook Islands, Southwest Pacific Ocean. *N.Z. Jl Geol. Geophys.* 10(6) : 1499-1526.
- HOCHSTEIN, M.P.; REILLY, W.I. 1967: Magnetic measurements in the Southwest Pacific Ocean. *N.Z. Jl Geol. Geophys.* 10(6) : 1527-62.
- HOFFMEISTER, J.E. 1930: Erosion of elevated fringing coral reefs. *Geol. Mag.* 67 : 549-54.
- HUSSONG, D.M.; WIPPERMAN, L.K.; KROENKE, L.W. 1979: The crustal structure of the Ontong Java and Manihiki oceanic plateaus. *J. geophys. Res.* 85(B11) : 6003-10.
- IRWIN, J.; MAIN, W.deL. 1983: Palmerston Atoll bathymetry, 1:18,000. *N.Z. oceanogr. Inst. Chart, Misc. Ser.* 57.
- JACKSON, E.D.; BARGAR, K.E.; FABBI, B.P.; HEROPOULOS, C. 1976: Petrology of the basaltic rocks drilled on Leg 33 of the Deep Sea Drilling Project. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 571-630.
- JACKSON, E.D.; SCHLANGER, S.O. 1976: Regional synthesis, Line Islands chain, Tuamotu Island chain, and Manihiki Plateau, central Pacific Ocean. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33. Washington. (U.S. Government Printing Office) : 915-28.
- JACKSON, R.J. 1981: Measurements of moisture in some Cook Islands soils. *S. Pacif. tech. Inventory* 2 : 51-55.
- JARRARD, R.; FORNARI, D.J. 1980: Geochemistry and petrology of the southern Cook Islands. (Abstr.) *EOS Trans. Am. geophys. Un.* 61(17) : 406-7.
- JENKYN, H.C. 1976: Sediments and sedimentary history, Manihiki Plateau, South Pacific Ocean. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 873-90.
- JOHNSON, D.A. 1976: Cenozoic radiolarians from the Central Pacific, DSDP, Leg 33. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 425-37.
- KANEPS, A.G. 1976: Cenozoic planktonic foraminifers, Equatorial Pacific Ocean, Leg 33, DSDP. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 361-67.

- KAUFFMAN, E.G. 1976: Deep-sea Cretaceous microfossils : Hole 317A, Manihiki Plateau. *In* Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 503-35.
- KEYS, J.E. 1963: The tsunami of 22 May 1960, in the Samoa and Cook Islands. *Bull. seism. Soc. Am.* 53 : 1211-27.
- KINLOCK, D.I. (ed.) 1980: Bibliography of research on the Cook Islands. *N.Z. Man Biosphere Rep.* 4 : 164 p.
- KIRK, R.M. 1980: Sedimentation in Ngatangia Harbour and Muri Lagoon, Rarotonga, Cook Islands. A report to the South Pacific Commission and the Government of the Cook Islands.
- KOVYLIN, V.M. 1970: Structure of the sedimentary mass and the earth's crust in the southwestern and central portions of the Pacific Ocean according to seismic data. *Oceanology* 10(2) : 218-28.
- KROENKE, L.W.; JOUANNIC, C.; WOODWARD, P. (comps) 1983: Bathymetry of the Southwest Pacific. Chart 1 of the Geophysical Atlas of the Southwest Pacific. Scale 1:6,442,192 at 0°. 2 Sheets. Mercator Projection. CCOP/SOPAC.
- KRUMMENACHER, D.; NOETZLIN, J. 1966: Ages isotopique K/A de roches prelevees dans les possessions franciases du Pacifique. *Bull. Soc. geol. Fr., ser. 7, 8* : 173-75.
- KUZ'MIN, V.A.; SUZUMOVA, A.Y.; BEZLYUDOV, A.V. 1972: Geothermal measurements on the Manihiki Plateau and the Marcus-Necker Rise (Pacific Ocean). *Oceanology* 12(6) : 867-69.
- LAMBECK, K. 1981: Lithospheric response to volcanic loading in the southern Cook Islands. *Earth Planet. Sci. Lett.* 55 : 482-96.
- LANDMESSER, C.W.; KROENKE, L.W. 1976: Cruise report : Cook Islands offshore survey, 8-26 June 1976. *CCOP/SOPAC Proj. Rep.* 4.
- LANDMESSER, C.W.; KROENKE, L.W.; GLASBY, G.P.; SAWTELL, G.H.; KINGAN, S.; UTANGA, E.; UTANGA, A.; COWAN, S.G. 1976: Manganese nodules from the South Penrhyn Basin, Southwest Pacific. *S. Pacif. mar. geol. Notes* 1(3) : 17-40.
- LANDS AND SURVEY, New Zealand, 1978: Cook Islands. Pp 33-34, pl. 17 in "Atlas of the South Pacific". Government Printer, Wellington.
- LANPHERE, M.A.; DALRYMPLE, G.B. 1976: K-Ar ages of basalts from DSDP Leg 33 : sites 315 (Line Islands) and 317 (Manihiki Plateau). *In* Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 649-54.
- LEAMY, M.L.; LESLIE, D.M.; BLAKEMORE, L.C.; BALBERNIE, B.C. 1975: Soils of Totokoitu Research Station, Rarotonga, Cook Islands. *N.Z. Soil Surv. Rep.* 27 : 66 p.
- LEE, R.; BLAKEMORE, L.C.; WIDDOWSON, J.P. 1979: The potassium status of some representative soils from the Cook Islands. *Trop. Agric.* 56(3) : 193-204.
- LESLIE, D.M. 1980: Soil map of Rarotonga, Cook Islands, 1:10,000. *N.Z. Soil Bur. Map* 163.
- LESLIE, D.M. 1980: Soils of Rarotonga, Cook Islands. *N.Z. Soil Surv. Rep.* 49 : 68 p.
- LEWIS, K.B. 1980: Cruise report : Northern Cook Islands offshore survey, CK-80(2), 16-28 April 1980. *CCOP/SOPAC Proj. Rep.* 42 and *Proc. 9th Sess. CCOP/SOPAC* : 66.
- LEWIS, K.B.; GILMORE, I.P.; UTANGA, A.T. 1982: Pukapuka and Nassau Bathymetry. *N.Z. oceanogr. Inst. Chart, Island Ser.* 1:200,000.
- LEWIS, K.B.; HILL, P.J.; UTANGA, A.T.; BATCHELOR, J.; KINGAN, S. 1978: Rarotonga near-shore survey. *CCOP/SOPAC Proj. Rep.* 14 and *Proc. 7th Sess. CCOP/SOPAC* : 66-67.
- LEWIS, K.B.; RONGO, T.T.; UTANGA, A.T. 1982: Penrhyn Bathymetry. *N.Z. oceanogr. Inst. Chart, Island Ser.* 1:200,000.
- LEWIS, K.B.; UTANGA, A.T.; HILL, P.J.; KINGAN, S.G. 1980: The origin of channel-fill sands and gravels on an algal-dominated reef terrace, Rarotonga, Cook Islands. *S. Pacif. mar. geol. Notes* 2(1) : 1-23.
- LUMB, J.T.; CARRINGTON, L. 1971: Magnetic surveys in the South-west Pacific and rock sampling for magnetic studies in the Cook Islands. *Bull.R. Soc. N.Z.* 8 : 81-89.



- LUMB, J.T.; HOCHSTEIN, M.P.; WOODWARD, D.J. 1972: Interpretation of magnetic measurements in the Cook Islands, South-west Pacific Ocean. Pp 71-101 in Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- MCCARROW, STEWART & CO., 1907: The Cook Islands. In "The Cyclopaedia of Samoa, Tonga, Tahiti, and the Cook Islands". McCarrow, Stewart & Co., Sydney, Australia.
- MCKENZIE, K. 1981: Studies of ostracods and other fauna in the Southwest Pacific. *CCOP/SOPAC Tech. Rep. 16*.
- MCLINTOCK, A.H. (ed.) 1966: Island territories. Pp 175-82 in "An Encyclopaedia of New Zealand". Government Printer, Wellington.
- MCNULTY, C.L. 1976: Cretaceous foraminiferal stratigraphy, DSDP, Leg 33, holes 315A, 316, 317A. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 369-81.
- MCNUTT, H.M.; MENARD, H. 1978: Lithospheric flexure and uplifted atolls. *J. geophys. Res.* 83(B3) 1206-12.
- MAMMERICKX, J.; SMITH, S.M. (scient. co-ord.) 1980: General Bathymetric Chart of the Oceans (GEBCO). 5th Edition. Sheet 5.11. Scale 1:10,000,000. Mercator Projection. IHO/IOC.
- MAMMERICKX, J.; SMITH, S.M.; TAYLOR, I.L.; CHASE, T.E. 1973: Bathymetry of the South Pacific, Chart 13. Scripps Institution of Oceanography, La Jolla.
- MARGOLIS, S.V.; MEYLAN, M.A. 1980: Microchemistry and mineralogy of ferro-manganese nodules in the South Pacific. (Abstr.) In "Second International Workshop on Geology, Mineral Resources and Geophysics of the South Pacific". New Caledonia, October 1980. CCOP/SOPAC-IOC/WESTPAC.
- MARSHALL, P. 1908: Geology of Rarotonga and Aitutaki. *Trans. N.Z. Inst.* 41 : 98-100.
- MARSHALL, P. 1909: Note on the geology of Mangaia. *Trans. N.Z. Inst.* 42 : 333.
- MARSHALL, P. 1912: Oceania. *Handbk reg. Geol.* 7(2) : 36 p.
- MARSHALL, P. 1912: Coral reefs of the Cook and Society Islands. *Rep. Australas. Ass. Advmt Sci.* 13 : 140-45.
- MARSHALL, P. 1912: Alkaline rocks of the Cook and Society Islands. *Rep. Australas. Ass. Advmt Sci.* 13 : 196-202.
- MARSHALL, P. 1927: Geology of Mangaia. *Bull. Bernice P. Bishop Mus.* 36.
- MARSHALL, P. 1929: Mangaia and Rurutu : A comparison between two Pacific islands. *Geol. Mag.* 66 : 385-89.
- MARSHALL, P. 1930: Geology of Rarotonga and Atiu. *Bull. Bernice P. Bishop Mus.* 72.
- MARSHALL, P. 1930: The volcanic rocks of the Cook Islands. *Proc. 4th Pacif. Sci. Congr.* 2B : 901-3.
- MARTINI, E. 1976: Cretaceous to Recent calcareous nannoplankton from the Central Pacific Ocean (DSDP Leg 33). In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 383-423.
- MEINICKE, C.E. 1876: "Die Inseln des stillen Ozeans; eine Geographisch Monographie. Volume 2". Froberg, Leipzig.
- MENARD, H.W. 1964: "Marine Geology of the Pacific". McGraw-Hill, New York.
- MENARD, H.W.; SMITH, S.M.; CHASE, T.E. 1964: Guyots in the Southwestern Pacific Basin. *Bull. geol. Soc. Am.* 75 : 745-48.
- MEYLAN, M.A. 1976: A comparison of the morphology and mineralogy of manganese nodules from the Southwestern Pacific Basin and the Northeastern Equatorial Pacific. In Glasby, G.P.; Katz, H.R. (eds) "Marine Geological Investigations in the Southwest Pacific and Adjacent Areas". Papers presented at the I.D.O.E. Workshop, Suva, Fiji, September 1975. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 2 : 92-98.
- MEYLAN, M.A.; BÄCKER, H.; GLASBY, G.P. 1975: Manganese nodule investigations in the Southwestern Pacific Basin, 1974. *NZOI oceanogr. Fld Rep.* 4 : 24 p.

- MEYLAN, M.A.; BÄCKER, H.; GLASBY, G.P. 1975: Preliminary report on project CCSP-1/REG.7 : Surveys of abyssal sediment cover north and east of New Zealand (manganese nodules south and south-west of Rarotonga, Cook Islands). *Proc. 3rd Sess. CCOP/SOPAC* : 69-74.
- MEYLAN, M.A.; GLASBY, G.P.; KRUMBALÉK, S.C. 1982: Lithology, colour, mineralogy and geochemistry of marine sediments from the Southwestern Pacific and Samoan Basins. *N.Z. Jl Geol. Geophys.* 25 : 437-58.
- MILLER, R.B. 1981: Soil and water relations in the South Pacific. *S. Pacif. tech. Inventory* 2 : 47-49.
- MILNE, J.D.G. 1980: Soil map of Aitutaki, Cook Islands, 1:15,000. *N.Z. Soil Bur. Map* 165.
- MONAHAN, D.; FALCONER, R.H.K.; THARP, M. (scient. co-ord.) 1982: General Bathymetric Chart of the Oceans (GEBCO). 5th Edition. Sheet 5.10. Scale 1:10,000,000 at 0°. Mercator Projection. IHO/IOC.
- MONZIER, M.; MISSEGUE, F. 1977: Polymetallic nodules sampling in the Cook Islands Archipelago DANAIDES II and GEOTRANSIT II surveys. *Prelim. Rep. ORSTOM-CNEXO, Noumea*.
- MURDMAA, I.O.; RUDNIK, G.B.; SKORNYAKOVA, N.S. 1972: Volcanogenous clastic rocks of the Pacific Ocean floor. Pp 31-40 in "Geology and Geophysics of the Sea. Report of the Soviet Geologists. Problem 8. Geophysical investigations of the earth's crust. *Proc. 24th Sess. Int. Geol. Congr.*
- MURRAY, J. 1906: On the depth, temperature of the ocean waters, and marine deposits of the Southwest Pacific Ocean. *Qd geogr. J., n.s.* 21 : 71-134.
- MURRAY, J.; LEE, C.V. 1909: The depth and marine deposits of the Pacific. *Mem. Mus. comp. Zool. Harv.* 38(1) : 170 p.
- NORRISH, K. 1968: Some phosphate minerals of soils. *Proc. 9th Int. Congr. Soil Sci.* 2 : 713-23.
- PETELIN, V.P. 1966: The 37th cruise of the research vessel *Vityaz* in the central Pacific. *Oceanology* 6 : 140-43.
- RECY, J.; MISSEGUE, F.; MONZIER, M. 1977: Chemical analysis results about metal contents of polymetallic nodule samples in the Cook Islands Archipelago DANAIDES II and GEOTRANSIT II cruises. *Rep. ORSTOM-CNEXO, Noumea*. (Unpubl.)
- RECY, J.; MISSEGUE, F.; MONZIER, M. 1979: Chemical analysis results about metal contents of polymetallic nodule samples in the Cook Islands Archipelago. *Proc. 7th Sess. CCOP/SOPAC* : 66.
- REVELLE, R.R. 1944: Marine bottom samples collected in the Pacific Ocean by the *Carnegie* on its seventh cruise. *Scient. Results Cruise VII Carnegie, Oceanogr.* 2 : 1-133.
- RIDGWAY, N.M. 1974: Hydrology of Manihiki Lagoon. *Mem. N.Z. oceanogr. Inst.* 31 : 23-28.
- ROBERTSON, E.I. 1965: Gravity base stations in the South-west Pacific Ocean. *N.Z. Jl Geol. Geophys.* 8(3) : 424-39.
- ROBERTSON, E.I. 1967: Gravity effects of volcanic islands. *N.Z. Jl Geol. Geophys.* 10 : 1466-83.
- ROBERTSON, E.I. 1967: Gravity survey in the Cook Islands. *N.Z. Jl Geol. Geophys.* 10 : 1484-98.
- ROBERTSON, E.I.; KIBBLEWHITE, A.C. 1966: Bathymetry around isolated volcanic islands and atolls in the South Pacific Ocean. *N.Z. Jl Geol. Geophys.* 9(1 & 2) : 111-21.
- SACHET, M.-H. 1955: Pumice and other extraneous volcanic materials on coral atolls. *Atoll Res. Bull.* 37 : 27 p.
- SAITO, T.; HAYS, J.D.; BURCKLE, L.H. 1965: Cretaceous and Tertiary sediments in the Pacific Ocean. (Abstr.) *Proc. 11th Pacif. Sci. Congr., Tokyo* 4 : 39.
- SCHLANGER, S. 1965: Dolomite-evaporite relations on Pacific Islands. *Sci. Rep. Tohoku Univ., 2nd ser. Geol.* 37(1) : 15-29.

- SCHLANGER, S.O.; JACKSON, E.D. *et al.* 1976: Site 317. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 161-300.
- SCHLANGER, S.O.; WINTERER, E.L. 1976: Underway geophysical data : navigation, bathymetry, magnetics and seismic profiles. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 655-94.
- SCHOFIELD, J.C. 1966: Evidence for Quaternary sea-levels from the Cook Islands and the effect of density changes on post-glacial sea-level rise. (Abstr.) *Proc. 11th Pacif. Sci. Congr., Tokyo* 4 : 15.
- SCHOFIELD, J.C. 1967: 1. Post glacial sea-level maxima, a function of salinity? 2. Pleistocene sea-level evidence from the Cook Islands. In "Sea Level Changes and Crustal Movements of the Pacific during the Pliocene and post-Pliocene Time". *J. Geosci., Osaka City Univ.* 10 : 115-20.
- SCHOFIELD, J.C. 1970: Notes on late Quaternary sea levels, Fiji and Rarotonga. *N.Z. J. Geol. Geophys.* 13(1) : 199-206.
- SKEATS, E.M. 1903: The chemical composition of limestones from upraised coral islands with notes on their microscopical structures. *Bull. Mus. comp. Zool. Harv.* 42, *geol. ser.* 6 : 53-126.
- SKEATS, E.W. 1918: The formation of dolomite and its bearing on the coral reef problem. *Am. J. Sci., ser. 4,* 45(267) : 185-200.
- SKORNYAKOVA, M.S.; MURDMAA, I.O.; GORBUNOVA, Z.N.; ZENKEVICH, N.L. 1971: On the facial variations of pelagic sediments of the Pacific Ocean. In "The History of the World Oceans". Nauka, Moscow. [In Russian]
- SMITH, S.P. 1889: Tongareva or Penrhyn Island and its people. *Trans. Proc. N.Z. Inst.* 22 : 85-103.
- SOCIETE DE GEOGRAPHIE, 1927: Melanges. Les iles Harvey. *Bull. Soc. Geogr. Paris, ser. 1,* 7 : 257-61.
- STODDART, D.R. 1972: Reef islands of Rarotonga. *Atoll Res. Bull.* 160 : 1-7.
- STODDART, D.R. 1975: Scientific studies in the southern Cook Islands, background and bibliography. *Atoll Res. Bull.* 190 : 1-30.
- STODDART, D.R. 1975: Reef islands of Aitutaki. *Atoll Res. Bull.* 190 : 59-72.
- STODDART, D.R.; GIBBS, P.E. 1975: Almost atoll of Aitutaki : Reef studies in the Cook Islands, South Pacific. *Atoll Res. Bull.* 190 : 158.
- STODDART, D.R. 1975: Almost atoll of Aitutaki : Geomorphology of reefs and islands. *Atoll Res. Bull.* 190 : 31-57.
- STODDART, D.R.; GOPINADHA PILLAI, C.S. 1973: Coral reefs and reef corals in the Cook Islands, South Pacific. Pp 475-83 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- STOUT, J.D. 1971: The distribution of soil bacteria in relation to biological activity and pedogenesis. Part 2. Soils of some Pacific Islands. *N.Z. J. Sci.* 14 : 834-50.
- SUMMERHAYES, C.P. 1967: Bathymetry and topographic lineation in the Cook Islands. *N.Z. J. Geol. Geophys.* 20(6) : 1382-99.
- SUMMERHAYES, C.P. 1968: Manuae Bathymetry. *N.Z. oceanogr. Inst. Chart, Island Ser.* 1:200,000.
- SUMMERHAYES, C.P. 1969: Rarotonga Bathymetry. *N.Z. oceanogr. Inst. Chart, Island Ser.* 1:200,000.
- SUMMERHAYES, C.P. 1971: Lagoonal sedimentation in Aitutaki and Manuae in the Cook Islands, a reconnaissance survey. *N.Z. J. Geol. Geophys.* 14(2) : 351-63.
- SUMMERHAYES, C.P.; KIBBLEWHITE, A.C. 1966: Aitutaki Bathymetry. *N.Z. oceanogr. Inst. Chart, Island Ser.* 1:200,000.
- SUMMERHAYES, C.P.; KIBBLEWHITE, A.C. 1967: Rarotonga Provisional Bathymetry. *N.Z. oceanogr. Inst. Chart, Island Ser.* 1:200,000.
- SUMMERHAYES, C.P.; KIBBLEWHITE, A.C. 1968: Atiu Bathymetry. *N.Z. oceanogr. Inst. Chart, Island Ser.* 1:200,000.

- SUMMERHAYES, C.P.; KIBBLEWHITE, A.C. 1968: Mangaia Provisional Bathymetry. *N.Z. oceanogr. Inst. Chart, Island Ser. 1:200,000*.
- SUMMERHAYES, C.P.; KIBBLEWHITE, A.C. 1969: Mauke Provisional Bathymetry. *N.Z. oceanogr. Inst. Chart, Island Ser. 1:200,000*.
- TAKAYANAGI, Y.; ODA, M. 1976: Shore laboratory report on Cenozoic planktonic foraminifera : Leg 33. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office): 451-65.
- TARLING, D.H. 1967: Some paleomagnetic results of Rarotonga, Cook Islands. *N.Z. Jl Geol. Geophys.* 10(6) : 1400-6.
- TODD, R. 1965: The foraminifera of the tropical Pacific collections of the *Albatross*, 1899-1900. Part 4. Rotaliform families and planktonic families. *Bull. U.S. natn. Mus.* 161(4) : 139 p.
- TURNER, D.L.; JARRARD, R.D. 1980: K-Ar dating of the South Cook Islands : A test of the hot-spot hypothesis. *Earth Planet. Sci. Lett.*
- UTANGA, A.T.; LEWIS, K.B. 1981: Rarotonga nearshore bathymetry, 1:20,000. *N.Z. oceanogr. Inst. Chart, Misc. Ser. 56*.
- VEEH, H.H. 1966: Th<sup>230</sup>/U<sup>238</sup> and U<sup>234</sup>/U<sup>238</sup> ages of Pleistocene high sea level stand. *J. geophys. Res.* 71 : 3379-86.
- VILLARET, B. 1956: Dans l'archipel Cook a bord de l'oiseau des-iles. Pp 240-50 in "Archipels Polynesiens". Hachette, Paris. 270 p.
- WARD, W.T.; ROSS, P.J.; COLQUHOUN, D.J. 1971: Interglacial high sea levels — an absolute chronology derived from shoreline elevations. *Palaeogeogr., Palaeoclim., Palaeoecol.* 9 : 77-99.
- WASHINGTON, H.S. 1921: The chemistry of the Pacific volcanoes — the limitations of our knowledge. In "Proceedings of the First Pan-Pacific Science Congress". *Spec. Publs Bernice P. Bishop Mus.* 7 : 325-45.
- WATERHOUSE, B.C. 1981: Hydrogeology of the southern Cook Islands, Niue, and Tonga. *S. Pacif. tech. Inventory 2* : 57-74.
- WEBB, T.H. 1980: Soil map of Mangaia, Cook Islands, 1:15,000. *N.Z. Soil Bur. Map 164*.
- WEBB, T.H. 1981: Soils of Mangaia, Cook Islands. *N.Z. Soil Surv. Rep.* 50 : 52 p.
- WILDE, R.H. 1980: Soil map of Mitiaro, Cook Islands, 1:15,000. *N.Z. Soil Bur. Map 167*.
- WILDE, R.H. 1981: Soils of Mitiaro, Cook Islands. *N.Z. Soil Surv. Rep.* 53 20 p.
- WILSON, A.D. 1980: Soil map of Mauke, Cook Islands, 1:15,000. *N.Z. Soil Bur. Map 166*.
- WILSON, J.T. 1963: Evidence from islands on the spreading of ocean floors. *Nature, Lond.* 197 : 536-38.
- WINTERER, E.L.; LONSDALE, P.F.; MATTHEWS, J.L.; ROSENDAHL, B.R. 1974: Structure and acoustic stratigraphy of the Manihiki Plateau. *Deep-Sea Res.* 21 : 793-814.
- WOOD, B.L. 1967: Geology of the Cook Islands. *N.Z. Jl Geol. Geophys.* 10 : 1429-45.
- WOOD, B.L.; HAY, R.F. 1970: Geology of the Cook Islands. *N.Z. geol. Surv. Bull.* 82 : 103 p.
- WOOD, C.P. 1978: Petrology of Aitutaki, Cook Islands. *N.Z. Jl Geol. Geophys.* 21(6) : 761-65.
- WOOD, C.P. 1978: Petrology of Atiu and Mangaia, Cook Islands. *N.Z. Jl Geol. Geophys.* 21(6) : 767-71.
- WOODWARD, D.J.; HOCHSTEIN, M.P. 1970: Magnetic measurements in the Cook Islands, South-west Pacific Ocean. *N.Z. Jl Geol. Geophys.* 13(1) : 207-24.
- WOODWARD, D.J.; REILLY, W.I. 1970: Note on magnetic vertical force anomalies on Manihiki Atoll, Cook Islands. *N.Z. Jl Geol. Geophys.* 13(1) : 225-27.
- WRIGHT, M.D. 1962: Night-time travelling disturbances at Rarotonga. *J. atmos. terr. Phys.* 24(1) : 857-60.
- YEATES, G.W. 1977: Fertility of Cook Island soils. *Soil Sci.* 123(6) : 409-14.
- ZATONSKIY, L.K.; MURDMAA, I.O.; MARAKUYEV, V.I. 1972: The bottom relief and tectonics of the South Pacific Basin in the area of the Petelin Seamount. *Oceanology* 13(3) : 372-79.
- ZDOROVENIN, V.V. 1967: seismic research in the central Pacific on the 34th cruise of the research vessel *Vityaz*. *Oceanology* 7 : 706-15.

AN ANNOTATED BIBLIOGRAPHY  
OF BIBLIOGRAPHIES  
OF THE GEOLOGY AND  
GEOPHYSICS  
OF FIJI

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The Mineral Resource Department publishes its own volumes of bibliography of geology and geophysics (of Fiji) and it is therefore considered that a listing here would be unnecessary duplication of effort. However, a listing of bibliographies is given, the first four of which between them, contain all relevant entries in the others (and many more).

## FIJI

A complete list of all known works, up to the end of 1982, is contained in the following four volumes.

DUBERAL, R.F.; RODDA, P. 1969: "Bibliography of the Geology of Fiji". Geological Survey, Suva. 81 p, map.

Published works are annotated. Contains a simple Subject Index, and a Geographic Index listing place names in titles of works.

RODDA, P. (in press): "Bibliography of the Geology of Fiji. Volume 2". Mineral Resources Department, Suva.

Abstracts are given for almost all published works and major unpublished works such as these. Includes Subject Index. Stratigraphic Index listing works giving important information on stratigraphic units, and full Geographic Index. Cut-off date is the end of 1975. Includes works on geophysics, as did the first volume, but additionally includes works on offshore areas to approximately the limits of Fiji's Exclusive Economic Zone.

GREENBAUM, D. (in press): "Bibliography of the Geology of Fiji, Volume 3". Mineral Resources Department, Suva.

Basically a listing of the Mineral Resources Department Exploration Report series, which consists mainly of open-file mining company reports on mineral exploration but includes files made up of early reports by the Inspector of Mines and others, many of which are listed separately in Volumes 1 and 2 of the bibliography. Contains Subject Index and Geographic Index, and location maps showing the positions of prospecting licences.

RODDA, P. (in press): "Bibliography of the Geology of Fiji, Volume 4". Mineral Resources Department, Suva.

Abstracts are given for almost all published works and major unpublished works such as theses. Includes Subject index, Stratigraphic Index listing works giving important information on stratigraphic units, and full Geographic Index. Cut-off date is the end of 1982. Includes works on geophysics, as did the first volume, but additionally includes works on offshore areas to approximately the limits of Fiji's Exclusive Economic Zone.

Other bibliographic listings specifically of geology (and related topics) of Fiji.

MANSFIELD, W.C. 1926: Fossils from quarries near Suva, Viti Levu, Fiji Islands, and from Vavao, Tonga Islands, with annotated bibliography of the geology of the Fiji Islands. *Publs Carnegie Instn* 344 : 85-104.

Lists 50 works, some of them mentioning Fiji only in passing or in a negative way.

ANON. 1958: Bibliography. Pp 14-16 in Guest, N.J. "Geological Survey Department : Annual report for the year 1957". *Coun. Pap. Fiji* 1958(21).

Three sections : Geology of Fiji (98 entries); Geology of Tonga (6 entries); and Soils and Related Topics (14 entries).

ANON. 1959: Bibliography. P. 17 in Guest, N.J. "Geological Survey Department : Annual report for the year 1958". *Coun. Pap. Fiji* 1959(17).

Contains additions to the above, under two sections : Fijian geology (13 entries), and Geology of Tonga (5 entries).

ANON. 1960: Bibliography. P. 19 in Guest, N.J. "Geological Survey Department : Annual report for the year 1959". *Coun. Pap. Fiji* 1960(6).

Contains further additions to the above two, under two sections : Geology of Fiji (21 entries), and Geology of Tonga (6 entries).

GREENBAUM, D. 1979: A catalogue of non-confidential mineral exploration reports (M.R.D. Exploration Report series). *Rep. Miner. Resour. Div. Fiji* 12 : 22 p.

The fore-runner of Volume 3 of the Bibliography of the Geology of Fiji, listed above. Includes a supplement issued later in 1979.

RODDA, P. 1967: Bibliography – Geology of Fiji. *In* Outline of the geology of Viti Levu. *N.Z. Jl Geol. Geophys.* 10(5) : 1268–73.

Contains 121 additions to the above three listings.

RODDA, P. 1975: Additions to bibliography of the geology of Fiji. *In* Kroenke, L.W.; Bardsley, E. (eds) “Bibliography of the Geology and Geophysics of the South Pacific”. *U.N. ESCAP, CCOP/SOPAC Tech. Bull. 1* : 11–18.

Additions to Duberal and Rodda (1969). Contains various erroneous alterations – papers presented at the Geological Survey Colloquia of 1969 and 1971 are listed merely as “Unpublished Report”, and some abbreviations have been wrongly expanded.

RODDA, P. 1978: Fiji: 1977 additions. [Bibliography of geology and geophysics.] *Proc. 6th Sess. CCOP/SOPAC* : 63.

RODDA, P. 1982: Bibliography of the geology of Fiji : Supplement to Volume 2. *Rep. Miner. Resour. Dep. Fiji 36* : 26 p.

The Volume 2 referred to was what was originally planned – one volume with a cut-off date of the end of 1979. The planned volume has been divided, giving the Volume 2 listed above, and with additional entries, the Volume 4 listed above. This report contains works from the beginning of 1980 to, at the latest, April 1982.

RIDGE, J.D. 1976: “Annotated Bibliographies of Mineral Deposits in Africa, Asia (exclusive of the USSR) and Australasia”. Pergamon Press. Pp 503–8.

Deals only with the Tavua Goldfield.

Various other bibliographies include entries on geology, but those bibliographies are either more general in nature of topics listed, or deal with other countries as well as Fiji.



BIBLIOGRAPHY OF  
GEOLOGY AND GEOPHYSICS  
OF FRENCH POLYNESIA

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This compilation has been extended and updated from a previously unpublished bibliography of the French Polynesia area compiled in 1981 while the author was stationed in Tahiti. It deals mainly with geomagnetism, seismology, gravimetry, tectonophysics, geochronology, geology, petrology, geochemistry, mineralogy, volcanology and geomorphology. Deliberately omitted are references to polymetallic nodules as there are excellent up-to-date bibliographies available on this subject alone.

This bibliography, hopefully, represents significant progress compared to two other bibliographies which contain a limited amount of data in respect of the current research interests.

O'REILLY, P.; REITMAN, E. 1967: Bibliographie de Tahiti et de la Polynesie francaise. *Publ. Soc. Ocean. 14* : 1046 p.

MAINGUY, M. 1975: Bibliography of the geology and geophysics of French Polynesia. *In* Kroenke, L.W.; Bardsley, E. (eds) "Bibliography of Geology and Geophysics of the South Pacific". *U.N. ESCAP, CCOP/SOPAC Tech. Bull. 1* : 23-27.

There are inevitably omissions arising from delays in the receipt of journals, lack of access to other journals, most of which is explained by the isolation of the research area. I would be grateful for notification of any further references.

## FRENCH POLYNESIA

- ADAMS, R.D. 1979: T-phase recordings at Rarotonga from underground nuclear explosions. *Geophys. J. R. astr. Soc.* 58 : 361-369.
- AGASSIZ, A. 1906: Reports on the scientific results of the expedition to the eastern Tropical Pacific. V. General report of the expedition. (Manga reva). *Mem. Mus. comp. Zool. Harv.* 33 : 62-75.
- ANDREWS, J.E.; FRIEDRICH, G.H.W. 1979: Distribution patterns of manganese nodule deposits in the northeast Equatorial Pacific. *Mar. Mining* 2(1/2) : 1-43.
- ARLDT, T. 1906: Parallelismus der Inselketten Ozeaniens. *Z. Ges. Erdk. Berlin* 1906 : 323-345; 385-404.
- AUBERT DE LA RÛE, E. 1959: Etude géologique et prospection minière de la Polynésie Française. Pp 7-43, 13 pls, in "Recherches Géologique et Minière en Polynésie Française". Inspection Générale des Mines et de la Géologie, Paris.
- AUBERT DE LA RÛE, E. 1964: Remarques sur les atolls de l'Archipel des Tuamotu (Polynésie Française). *Bull. Soc. vaud. Sci. nat.* 314, 68(9) : 27-45.
- AVIAS, J. 1950: Alfred Lacroix et la pétrologie océanienne. *J. Soc. Océan.* 6(6) : 219-229.
- AVIAS, J. (ed.) 1956: "Lexique Stratigraphique International - Océanie; fasc. 2, Océanie proprement dite". CNRS, Paris. 286 p.
- BARSCZUS, H.G. 1977: Reconnaissance magnétique de Maupiti (Iles-sous-le Vent/Polynésie Française). Rapp. Observ. Géophys. Pamatai, ORSTOM, Papeete. 26 p.
- BARSCZUS, H.G. 1980: Les Iles Australes (Polynésie Française) et la théorie des points chauds. *Notes Doc. (Géophys.) ORSTOM, Papeete* 1980/27 : 13 p.
- BARSCZUS, H.G. 1980: Evaluation de l'âge de l'atoll de Scilly (Manuae) (Archipel de la Société - Iles-sous-le-Vent). *Notes Doc. (Géophys.) ORSTOM, Papeete* 1980/29 : 6 p.
- BARSCZUS, H.G. 1981: La structure morphologique de l'Archipel des Marquises (Pacific Centre Sud) et la théorie des Points Chauds. *Notes Doc. (Géophys.) ORSTOM, Papeete* 1981/04 : 22 p.
- BARSCZUS, H.G. 1981: Bibliographie géophysique - Polynésie Française : Géomagnétisme, Séismologie, Gravimétrie, Tectonophysique, Géo-chronologie, Géologie, Pétrologie, Géochimie, Minéralogie, Volcanologie, Géomorphologie. *Notes Doc. (Géophys.) ORSTOM, Papeete* 1981/17 : 229 p.
- BARSCZUS, H.G. 1981: Bibliographie provisoire des mesures magnétiques effectuées dans la région de l'Océan Pacifique et en Australie/Nouvelle Zélande. Rapport présenté à la Réunion du Groupe de Travail V-5 (Magnetic Surveys and Charts). In Proceedings of the Fourth Scientific Assembly, Edinburgh, August 1981. 31 p.
- BARSCZUS, H.G. 1981: The secular variation station network in French Polynesia. (Abstr.) *Proc. 4th IAGA Scient. Assembly, Edinburgh* : 544.  
also in : *Bull. Int. Ass. Geomagnetism and Aeronomy* 45.
- BARSCZUS, H.G.; CHUNGUE, L. 1978: Prospection magnétique autour du pavillon des mesures absolues à l'Observatoire de Pamatai. Rapp. Observ. Géophys. Pamatai, ORSTOM, Papeete. 9 p.
- BARTH, T.F.W. 1931: Pyroxen aus Hiva Oa, Marquesas Inseln, und die Fomel titanhaltiger Augite. *Neues Jb. Miner. Geol. Palaont. BeilBd* 64 : 217-224.
- BECKER, M. 1972: Mission hydrogéologique. Ile de Maïao. *Rapp. Lab. Trav. Publ. Polynésie Fr., Papeete* 1972 : 14 p.
- BECKER, M. 1973: Ile de Maïao. Étude des ressources en eau. *Rapp. Lab. Trav. Publ. Polynésie Fr., Papeete* 1973 : 13 p.
- BECKER, M. 1977: Ile de Tubuai, Secteur de Mataura, Reconnaissance hydrogéologique, 1ère phase. *Rapp. Lab. Trav. Publ. Polynésie Fr., Papeete* 1977 : 7 p.
- BECKER, M.; BROUSSE, R.; GUILLE, G.; BELLON, H. 1974: Phases d'érosion-comblement de la vallée de la Papenoo et volcanisme subrécent à Tahiti, en relation avec l'évolution des Iles de la Société (Pacifique Sud). *Mar. Geol.* 16 : M71-M77.
- BECKER, M.; GUILLEN, J. 1977: Ile de Tubuai, Secteur de Mataura, Reconnaissance hydrogéologique, 2ème phase. *Rapp. Lab. Trav. Publ. Polynésie Fr., Papeete* 1977 : 11 p.

- BECKER, M.; GUILLEN, J. 1978: Ile de Tubuai, Secteur de Mataura, Reconnaissance hydrogéologique, 3ème phase. *Rapp. Lab. Trav. Publ. Polynésie Fr., Papeete 1978* : 5 p.
- BECKMANN, J.P. 1976: Shallow-water foraminifers and associated microfossils from Sites 315, 316, and 318, DSDP Leg 33. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 467-489.
- BELLON, H. 1974: Histoire géochronométrique des Iles Gambier. *Cah. Pacif.* 18(1) : 245-251.
- BELLON, H.; BROUSSE, R.; PANTALONI, A. 1980: Ages de l'île de Tubuai. L'alignement des Australes et des Cook. *Cah. Indo-Pacif.* 2(4) : 219-240.
- BERGER, E.T. 1981: Enclaves ultramafiques, mgacristaux et leurs basaltes-hôtes en contexte océanique (Pacifique Sud) et continental (Massif Central Français). Unpubl. Thèse, Université Paris-Sud (Orsay). 470 p.
- BISHOP, A.C.; WOOLEY, A.R. 1973: A basalt-trachyte-phonolite series from Ua Pou, Marquesas Islands, Pacific Ocean. *Contr. Miner. Petrol.* 39 : 309-326.
- BLANCHARD, F. 1978: Pétrographie et géochimie de l'île de Moorea, Archipel de la Société, Pacifique Central. Unpubl. Thèse Université Paris-Sud (Orsay). 158 p.
- BLANCHARD, F.; LIOTARD, J.M.; BROUSSE, R. 1981: Origine mantelique des benmorenites de Moorea (Iles de la Société, Pacifique). *Bull. volcan.* 44(4) : 591-710.
- BLONDIN, J. 1966: Contribution à l'étude de l'atoll de Hao (Archipel des Tuamotu, Polynésie Française). D.E.S., Géologie Historique, Fac. Sci., Paris. 105 p.
- BONATTI, E.; HARRISON, C.G.A. 1976: Hot-lines in the Earth's mantle. *Nature, Lond.* 263: 402-404.
- BONATTI, E.; HARRISON, C.G.A.; FISHER, D.E.; HONNOREZ, J.; SCHILLING, J.-G.; STIPP, J.J.; ZENTILI, M. 1977: Easter volcanic chain (Southeast Pacific) : A mantle hot line. *J. geophys. Res.* 82(17) : 2457-2478.
- BONHOMMET, N.; PANTALONI, A.; BROUSSE, R. 1979: Volcanic islands in French Polynesia: Paleomagnetism of Gambier Islands. *EOS Trans. Am. geophys. Un.* 60(7) : 111.
- BOURROUILH, F. 1977: Géomorphologie de quelques atolls dits "souletés" du Pacifique W et SW, origine et évolution des formes récifales actuelles. *Mém. Bur. Rech. Géol. Miniér.* 89 : 419-439.
- BOURROUILH-LE JAN, F.G. 1980: Phosphates, sols bauxitiques et karsts dolomitiques du Centre et SW Pacifique - Comparaisons sédimentologiques et géochimiques. In Colloque international BRGM "Géologie comparée des gisements de phosphates et de pétrole", Orleans, France, November 1979. *Doc. Bur. Rech. Géol. Miniér.* 24 : 113-128.
- BOYCE, R.E. 1976: Sound velocity-density parameters of sediment and rock from DSDP drill sites 315-318 on the Line Islands chain, Manihiki Plateau, and Tuamotu Ridge in the Pacific Ocean. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 695-728.
- BROUSSE, R. -- : Morphologie et origine des atolls. In Bablet, J.P.; Cayet, O. "Le Monde vivant des atolls". DIRCEN/SMCB. 1-8.
- BROUSSE, R. 1969: Compte-Rendu de Mission. Museum VI. *Rapp. SMCB 05/69* : 56 p., 13 figs.
- BROUSSE, R. 1972: Compte-Rendu de Mission. Museum VII. *Rapp. SMCB 11/72* : 129 + 8 p., 37 figs.
- BROUSSE, R. 1973: Mission Museum VIII. Ilés Marquises, du 26 Janvier au 28 février 1972. *Rapp. SMCB 03/73* : 85 p.
- BROUSSE, R. 1974: Mission Museum IX. Iles Marquises, du 19 février au 21 mars 1973. *Rapp. SMCB 05/74* : 38 p.
- BROUSSE, R. 1979: Mission Museum XII. Tubai. *Rapp. SMCB -/79* : 70 p.
- BROUSSE, R.; BELLON, H.; 1974: Age du volcanisme de l'île d'Eiao, au nord de l'Archipel des Marquises (Océan Pacifique). *C. r. hebd. Séanc. Acad. Sci., Paris, Sér. D 278(7)* : 827-830.

- BROUSSE, R.; BIZOUARD, H.; METRICH, N. 1981: Fayal dans l'Atlantique et Rapa dans le Pacifique : deux séries faiblement alcalines évoluant sous conditions anhydres. *Bull. volcan.* 44(3) : 393-410.
- BROUSSE, R.; BLAIS, S. 1974: Zéolitisation dans l'Archipel des Gambier. *Cah. Pacif.* 18(1) : 277-282.
- BROUSSE, R.; CHEVALIER, J.P.; DENIZOT, M.; RICHER DES FORGES, B.; SALVAT, B. 1980: Etude géomorphologique de l'île Tubuai (Australes). *Cah. Indo-Pacif.* 2(3) : 1-54.
- BROUSSE, R.; CHEVALIER, J.C.; DENIZOT, M.; SALVAT, B. 1974: Etude géomorphologique des Iles Gambier. *Cah. Pacif.* 18(1) : 9-119.
- BROUSSE, R.; CHEVALIER, J.P.; DENIZOT, M.; SALVAT, B. 1978: Etude géomorphologique des Iles Marquises. *Cah. Pacif.* 21 : 9-74.
- BROUSSE, R.; GUERIN, H. 1974: Distribution du manganèse comparée à celle du fer et du titane dans les laves des Iles de la Société et des Gambier. *Cah. Pacif.* 18(1) : 283-289.
- BROUSSE, R.; GUILLE, G. 1974: Géologie et pétrologie des Iles Gambier. *Cah. Pacif.* 18(1) : 159-244.
- BROUSSE, R.; GUILLE, G. 1974: Les réseaux de dykes aux Iles Gambier. *Cah. Pacif.* 18(1) : 253-264.
- BROUSSE, R.; GUILLE, G. 1975: Présence permanente de deux séries différenciées dans chaque île à volcanisme alcalin du Pacifique Central. *3eme Réunion. a. Sci. Terre, Montpellier 1975* : 80.
- BROUSSE, R.; GUILLE, G. 1978: Volcanisme et pétrologie de l'île de Nuku Hiva dans les Iles Marquises (Pacifique central). A. Présentation générale. *Cah. Pacif.* 21 : 145-154.
- BROUSSE, R.; GUILLE, G.; GILBERT, J.-P. 1978: Volcanisme et pétrologie de l'île de Hiva Oa dans les Iles Marquises (Pacifique central). *Cah. Pacif.* 21 : 189-202.
- BROUSSE, R.; GUILLE, G.; GUILLE, G.; GILBERT, J.-P. 1978: Eléments d'analyses de quelques îles des Marquises : Fatu Hiva, Tahuata, Motane, Ua Pou. *Cah. Pacif.* 21 : 107-144.
- BROUSSE, R.; KILLE, J.-P.; LARROQUE, P. 1974: Micromorphologie de la bordure des dykes. *Cah. Pacif.* 18(1) : 265-275.
- BROUSSE, R.; MAURY, R.C. 1976: Une série basalte alcalin - trachyte quartzifère en milieu océanique (Nuku Hiva, Pacifique central). Exemple de différenciation sous forte pression d'eau. *4eme Réunion. a. Sci. Terre, Paris 1976* : 76.
- BROUSSE, R.; MAURY, R.C. 1978: Minéralogie d'une phonolite à grenat de l'île de Ua Pou (Marquises, Pacifique central). *Bull. Soc. fr. Minér. Cristallogr.* 101 : 3-10.
- BROUSSE, R.; MAURY, R.C. 1980: Volcanisme et pétrologie de l'île de Tubuai dans les Iles Australes (Pacifique Sud). *Cah. Indo-Pacif.* 2(4) : 131-193.
- BROUSSE, R.; MOTTAY, G. 1979: Basalts more alkaline as younger in the Society linear chain (Pacific Ocean) : A declining hot-spot. (Abstr.) P. 80 in Symposium on "Intraplate Volcanism and Submarine Volcanism", Hilo, Hawaii, July 1979.
- BROUSSE, R.; PHILIPPET, J.C.; GUILLE, G.; BELLON, H. 1972: Géochronométrie des Iles Gambier (Ocean Pacifique). *C. r. hebdom. Séanc. Acad. Sci., Paris, Sér. D 274* : 1995-1998.
- BROUSSE, R.; SEVIN, M.-A. 1978: Pétrologie de l'île de Ua Huka dans le Pacifique Central. *Cah. Pacif.* 21 : 203-214.
- BROUSSE, R.; RICHER DE FORGES, B. 1980: Laves alcalines et différenciées du volcan sous-marin MacDonald (Australes, Pacifique). *C. r. hebdom. Séanc. Acad. Sci., Paris, Sér. D 290* : 1055-1057.
- BUCKLAND, W. 1839: Geology. Pp 157-166 in Beechey, F.W. "The Zoology of Captain Beechey's Voyage . . . in H.M.S. Blossom, 1825-1828". London.
- BUGUES, D. 1982: Diagenèse en milieu récifal : Dolomitisation dans l'atoll de Mururoa, Polynésie Française. *9eme Réunion. a. Sci. Terre, Paris 1982* : 102.
- BURKE, K.C.; WILSON, J.T. 1976: Hotspots on the earth's surface. *Scient. Am.* 235(2) : 46-57.
- BURNETT, W.C.; LEE, A.I.N. 1980: The phosphate supply system in the Pacific region. *Geojournal* 4(5) : 423-436.

- BURRI, R.C. 1926: Chemismus und provinzielle Verhältnisse der jungeruptiven Gesteine des pazifischen Ozeans und seiner Umrandung. *Schweiz. miner. petrogr. Mitt.* 6 : 115-199 (172-180).
- CAILLOT, A.-C.E. 1932: Histoire de l'île Oparo ou Rapa. Librairie Ernest Leroux, Paris. 85 p.
- CAMERON, D.H. 1976: Carbon and carbonate analyses, Leg 33. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 959-963.
- CAUCHARD, G.; INCHAUSPE, J. 1978: Climatologie de l'Archipel des Marquises. *Cah. Pacif.* 21 : 75-105.
- CAZENAIVE, A.; LAGO, B.; DOMINH, K.; LAMBECK, K. 1980: On the response of the ocean lithosphere to seamount loads from GEOS III satellite radar altimeter observations. *Geophys. J. R. astr. Soc.* 63(1) : 233-252.
- CAZENAIVE, A.; OKAL, E.A. 1983: SEASAT investigations of tectonic features in the South Central Pacific. *EOS Trans. Am. geophys. Un.* 64(18) : 211.
- CHAUVINIERE, L. de la 1872: Renseignements hydrographiques sur les îles Gambier ou Manga Reva. *Annls hydrogr.* 35 : 56-63.
- CHEVALIER, J.-P. 1971: Origine des formations récifales de l'île de Tahiti. *Bull. Soc. Etud. océanien.* 175, 15, 2 : 53-58.
- CHEVALIER, J.-P. 1972: Observations sur les chenaux incomplets appelés Hoa dans les atolls des Tuamotu. In Symposium on "Corals and Coral Reefs", Marine Biological Association, Mandapam Camb, India, 1969.
- CHEVALIER, J.-P. 1973: Geomorphology and geology of coral reefs in French Polynesia. Pp 113-142 in Jones, O.A.; Edean, R. (eds) "Biology and Geology of Coral Reefs. 1. Geology". Academic Press, London.
- CHEVALIER, J.-P. 1974: Aperçu sur les sclérectinaires des îles Gambier. *Cah. Pacif.* 18(2) : 615-627.
- CHEVALIER, J.-P. 1974: Society Islands. Pp 449-50 in "The Encyclopedia of World Regional Geology, Part 1". Halstead Press, New York.
- CHEVALIER, J.-P. 1976: Madreporaires actuels et fossiles du lagon de Taiaro. *Cah. Pacif.* 19 : 253-264.
- CHEVALIER, J.-P. 1976: Etude des coraux fossiles recoltés dans le forage DSDP 76 en mer profonde dans les Tuamotu du Nord. *Bull. Soc. géol. Fr., Ser. 73, 18* : 1308-1313.
- CHEVALIER, J.-P. 1977: Origin of the reef formations of Moorea Island (Archipelago of La Société). Pp 283-287 in Proceedings of "Third International Coral Reef Symposium", Rosentiel School of Marine and Atmospheric Sciences, Miami, Florida.
- CHEVALIER, J.-P. 1978: Les coraux de îles Marquises. *Cah. Pacif.* 21 : 243-283.
- CHEVALIER, J.-P. 1979: La faune corallienne (Sclérectinaires et Hydrocoralliaires) de la Polynésie Française. *Cah. Indo-Pacif.* 1(2) : 129-151.
- CHEVALIER, J.-P. 1979: Origine de la faune corallienne de la Polynésie Française. *7eme Réunion. a. Sci. Terre, Lyon* : 111.
- CHEVALIER, J.-P.; DENIZOT, M.; MOUGIN, J.L.; PLESSIS, Y.; SALVAT, B. 1968: Etude géomorphologique et binomique de l'atoll de Moruroa (Tuamotu). *Cah. Pacif.* 12 : 1-189.
- CHEVALIER, J.-P.; REPELLIN, P. 1978: Observations préliminaires sur la pétrographie et la paléontologie du sondage Echo II (Atoll de Fangataufa, Polynésie Française). *C. r. somm. Séanc. Soc. géol. Fr.* 2 : 67-68.
- CHUBB, L.J. 1927: Mangaia and Rurutu : A comparison between two Pacific islands. *Geol. Mag.* 64 : 518-522.
- CHUBB, L.J. 1928: The geology of the Marquesas Islands, Central Pacific. *Proc. geol. Soc. Lond.* 1927-28 : 77-78.
- CHUBB, L.J. 1933: The elevation of the Marquesas Islands. *Geol. Mag.* 70 : 558-560.
- CHUBB, L.J. 1957: The pattern of some Pacific island chains. *Geol. Mag.* 94 : 221-228.
- CHUBB, L.J.; SMITH, W.C. 1927: On the geology of Malao (Society Islands). *Q. Jl geol. Soc. Lond.* 83(11) : 320-345.

- CLAGUE, D.A. 1976: Petrology of basaltic and gabbroic rocks dredged from the Danger Islands Troughs, Manihiki Plateau. *In* Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 891-911.
- CLARDIGE, G.G.C. 1983: Clay mineral trends in the South Pacific. (Abstr.) *Progrm. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 44.
- CLARIDGE, G.G.C.; PERCIVAL, H.J. 1980: Clay for brick-making : A study of the suitability of the soils of the Pacific islands. *N.Z. Jl Sci.* 23(4) : 335-342.
- CLAUER, N.; COURTOIS, C.; KARPOFF, A.-M.; HOFFERT, M.; SCHAAF, A.; DONOYER DE SEGONZAC, G. 1976: Sédimentation authigène dans une zone profonde du Pacifique Sud (Mission TRANSPAC I, Station 23). III. Isotopes du strontium et terres rares. *4eme Réunion. a. Sci. Terre, Paris* : 114, 196.
- CLAUER, N.; HOFFERT, M.; GRIMAUD, D. 1974: Composition isotopique du strontium d'eaux interstitielles extraites de sédiments provenant de l'Océan Pacifique et de la Mer Méditerranée. *2eme Réunion. a. Sci. Terre 1974* : 112.
- CLOUE, M. 1870: Renseignements hydrographiques (sur les Iles Gambier, Tuamotu et Marquises). *Annls hydrogr.* 33 : 74-85.
- CLOUE, M. 1872: Renseignements hydrographiques (sur les Iles Gambier, Tuamotu et Marquises). *Annls hydrogr.* 35 : 63-71.
- COOK, H.E. 1972: Stratigraphy and sedimentation. *In* Hays, J.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 9". Washington. (U.S. Government Printing Office) : 933-943.
- COOK, H.E.; ZEMMELS, I. 1976: X-ray mineralogy data from the Central Pacific, Leg 33, Deep Sea Drilling Project. *In* Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 539-555.
- CORNUT-GENTILLE, A. 1876: Renseignements sur quelques points des Iles Marquises, sur divers Iles des Tuamotu; sur les Gambier et sur l'Île Mehetia, Iles de la Société. *Annls hydrogr.* 39 : 18-33.
- COURTOIS, C.; HOFFERT, M. 1977: Distribution des terres rares dans les sédiments superficiels du Pacifique Sud-Est. *Bull. Soc. géol. Fr.*, 19 : 1245-
- CRAIG, H.; RISON, W. 1982: Helium 3 : Indian Ocean hotspots and the East African Rift. *EOS Trans. Am. geophys. Un.* 63(45) : 1144.
- CRAIG, H.; RISON, W. 1983: Helium isotopes and mantle heterogeneity. *EOS Trans. Am. geophys. Un.* 64(18) : 348.
- CROSSLAND, C. 1927: Marine ecology and coral formations in the Panama region, Galapagos and Marquesas Islands and the atoll of Napuka. *Trans. R. Soc., Edinb.* 55 : 531-554.  
also in : *Nature, Lond.* 120(3014) : 208-209.
- CROSSLAND, C. 1927: Recession of the Tahitian coral reefs. *Nature, Lond.* 119 : 597.
- CROSSLAND, C. 1927: Barrier reefs as a sign of a subsiding coast line. *Nature, Lond.* 120 : 11-12.
- CROSSLAND, C. 1927: Barrier reefs of Tahiti and Moorea. *Nature, Lond.* 120 : 618-619.
- CROSSLAND, C. 1928: Notes on the ecology of the reef-builders of Tahiti. *Proc. zool. Soc. Lond.* 1928 : 717-735.
- CROSSLAND, C. 1929: Recession and age of the Tahitian coral reefs. *Nature, Lond.* 124 : 576.
- CROSSLAND, C. 1931: The coral reefs of Tahiti compared with the Great Barrier Reef. *Geogr J.* 77 : 395-396.
- CROSSLAND, C. 1935: The reduced building power and other variation in the Astrean corals of Tahiti. *Proc. zool. Soc. Lond.* 1935(2) : 351-391.
- CROSSLAND, C. 1935: Coral faunas of the Red Sea and Tahiti. *Proc. zool. Soc. Lond.* 1935 : 499-504.
- CROSSLAND, C. 1939: Further notes on the Tahitian Barrier Reefs and lagoons. *J. Linn. Soc., Zool.* 40 : 459-474.

- CROUGH, S.T. 1978: Thermal origin of mid-plate hotspot swells. *Geophys. J. R. astr. Soc.* 55 : 451-469.  
also in : *EOS Trans. Am. geophys. Un.* 59(4) : 270.
- CROUGH, S.T. 1980: Atolls as recorders of midplate epeirogeny. *Abstr. Prog. geol. Soc. Am.* 12(7) : 409.
- CROUGH, S.T. 1982: The origin and significance of oceanic depth anomalies. *EOS Trans. Am. geophys. Un.* 63(33) : 612.
- CROUGH, S.T.; JARRARD, R.D. 1981: The Marquesas-Line swell. *J. geophys. Res.* 86 (B12) : 763-771.
- CUZENT, G. 1860: Iles de la Société - Tahiti. Imprimerie Ch. Théze, Rochefort.
- CUZENT, G. 1871: Voyage aux îles Gambier, Archipel de Mangareva, 1871. *Bull. Soc. acad. Brest* 7 : 237-385; also Masson, Paris. 152 p.
- DAGUE, P. 1973: Etude hydrogéologique de l'île d'Eiao (Archipel des Marquises). *Rapp. Bur. Rech. Géol. Miniér.* 26 p.
- DALRYMPLE, G.B.; JARRARD, R.D.; CLAGUE, D.A. 1975: K-Ar ages of some volcanic rocks from the Cook and Austral Islands. *Bull. geol. Soc. Am.* 86 : 1463-1467.
- DANA, J.D. 1849: Geology. In United States Exploring Expedition during the years 1838-42 under the Command of Charles Wilkes U.S.N. *U.S. explor. Exped.* 10 : 756 p., maps, plates.
- DARWIN, C. 1891: "Geological Observations on Volcanic Islands". 3rd Edition. Smith, Elder & Co., London.
- DAVIS, G.T.; NAUGHTON, J.J.; PHILPOTTS, J.A. 1980: Petrology, geochemistry, and ages of Line Islands basaltic rocks, Central Pacific Ocean. *EOS Trans. Am. geophys. Un.* 61(46) : 1144.
- DAVIS, W.M. 1918: Les falaises et les récifs coralliens de Tahiti. *Annls Géogr.* 27 : 241-284.
- DAVIS, W.M. 1927: Barrier reefs of Tahiti and Moorea. *Nature, Lond.* 120 : 330-331.
- DELESALLE, B.; BAGNIS, R. 1983: Biology, hydrology and geomorphology of the atoll of Mataiva (Tuamotu Archipelago, French Polynesia). *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 59.
- DEMANGE, J. 1973: Etude géologique et géophysique de l'île d'Eiao (Archipel des Marquises). *Rapp. Bur. Rech. Géol. Miniér./CEA.*
- DEMANGE, J.; JUTEAU, T.; VARET, J. 1979: Zeolite zonation in Mururoa and Fangataufa atoll, South Pacific. (Abstr.). P. 59 in Symposium on "Intraplate Volcanism and Submarine Volcanism", Hilo, Hawaii, July 1979.
- DEMANGE, J.; METRIER, N.; VARET, J. 1979: Petrology of Mururoa and Fangataufa atolls, South Pacific. (Abstr.) P. 10 in Symposium on "Intraplate Volcanism and Submarine Volcanism", Hilo, Hawaii, July 1979.
- DEMANGE, J.; VARET, J. 1979: Submarine breccia in Tuamotu atolls (French Polynesia). (Abstr.) P. 58 in Symposium on "Intraplate Volcanism and Submarine Volcanism", Hilo, Hawaii, July 1979.
- DENEUFBOURG, G. 1961: Note sur la reconnaissance géologique générale de Maupiti. Archipel de la Société - Iles-sous-le-Vent. *Rapp. Bur. Rech. Géol. Miniér, Mission Polynésie.* 10 p.
- DENEUFBOURG, G. 1961: Rapport spécial sur Raiatea. *Rapp. Bur. Rech. Géol. Miniér, Mission Polynésie.*
- DENEUFBOURG, G. 1961: Rapport spécial sur la reconnaissance géologique générale de l'île de Tahaa. *Rapp. Bur. Rech. Géol. Miniér, Mission Polynésie.* 17 p.
- DENEUFBOURG, G. 1962: Rapport spécial sur la reconnaissance géologique générale de l'île de Huahine. *Rapp. Bur. Rech. Géol. Miniér, Mission Polynésie.* 22 p.
- DENEUFBOURG, G. 1962: Note sur la prospection des terres du Mt. Pahiaraea a Huahine. *Rapp. Bur. Rech. Géol. Miniér., Mission Polynésie.*
- DENEUFBOURG, G. 1962: Rapport spécial sur la reconnaissance géologique générale de l'île de Tahiti. *Rapp. Bur. Rech. Géol. Miniér., Mission Polynésie.* 97 p.
- DENEUFBOURG, G. 1963: Rapport spécial sur l'étude géologique de Moorea. *Rapp. Bur. Rech. Géol. Miniér., Mission Polynésie.* 29 p.



- DENEUFBOURG, G. 1964: Complément à l'étude géologique de Tahiti. *Rapp. Bur. Rech. Géol. Minièr., Mission Polynésie*. 43 p.
- DENEUFBOURG, G. 1964: Note préliminaire sur les possibilités hydrogéologiques des eaux souterraines de Tahiti. *Rapp. Bur. Rech. Géol. Minièr., Mission Polynésie*.
- DENEUFBOURG, G. 1964: Rapport special sur l'étude géologique de Bora Bora. *Rapp. Bur. Rech. Géol. Minièr., Mission Polynésie*. 35 p.
- DENEUFBOURG, G. 1965: Note sur l'étude hydrogéologique de Tahiti. *Rapp. Bur. Rech. Géol. Minièr., Mission Polynésie*.
- DENEUFBOURG, G. 1965: Notice explicative sur la feuille Tahaa. Carte géologique à l'échelle du 1/40,000e. *Terr. Polynésie Fr., BRGM, Paris*. 16 p., 1 carte.
- DENEUFBOURG, G. 1965: Notice explicative sur la feuille Tahiti. Carte géologique à l'échelle du 1/40,000e. *Terr. Polynésie Fr., BRGM, Paris*. 24 p., 1 carte.
- DENEUFBOURG, G. 1965: Notice explicative sur la feuille Huahine. Carte géologique à l'échelle du 1/40,000e. *Terr. Polynésie Fr., BRGM, Paris*. 19 p., 1 carte.
- DENEUFBOURG, G. 1965: Notice explicative sur la feuille Bora Bora. Carte géologique à l'échelle du 1/40,000e. *Terr. Polynésie Fr., BRGM, Paris*. 16 p., 1 carte.
- DICKINSON, W.R.; SEUTLER, R. 1974: Probable Fijian origin of quartzose temper sands in prehistoric pottery from Tonga and the Marquesas. *Science (AAAS) 185(4149)* : 454-457.
- DOUMENGE, F. 1963: L'île de Makatea et ses problèmes (Polynésie Française). *Cah. Pacif.* 5 : 41-68.
- DUNCAN, R.A. 1975: Paleosecular variation at the Society Islands, French Polynesia. *Geophys. J. R. astr. Soc.* 41 : 245-254.
- DUNCAN, R.A. 1975: Linear volcanism in French Polynesia. Unpubl. Ph.D. thesis, Australian National University, Canberra, Australia.
- DUNCAN, R.A. 1981: Hotspots in the Southern Ocean — an absolute frame of reference for motion of the Gondwana continents. *Tectonophysics* 79 : 29-42.
- DUNCAN, R.A.; COMPSTON, W. 1976: Sr-isotope evidence for an old mantle source region for French Polynesian volcanism. *Geology* 4 : 728-732.
- DUNCAN, R.A.; GREEN, D.H. 1980: Role of multistage melting in the formation of oceanic crust. *Geology* 8 : 22-26.
- DUNCAN, R.A.; GREEN, D.H. 1980: Comment and reply on "Role of multistage melting in the formation of oceanic crust". *Geology* 8(12) : 562-563.
- DUNCAN, R.A.; McDOUGALL, I. 1974: Migration of volcanism with time in the Marquesas Islands, French Polynesia. *Earth Planet. Sci. Lett.* 21 : 414-420.
- DUNCAN, R.A.; McDOUGALL, I. 1976: Linear volcanism in French Polynesia. *Volc. geotherm. Res.* 1 : 197-227.
- DYMOND, J.R. 1975: K-Ar ages of Tahiti and Moorea, Society Islands, and implications for the hot-spot model. *Geology* 3 : 236-240.
- EISENSTEIN, A. 1980: [Comparaison pétrographique de Maupiti-Huahine-Moorea.] D.E.A., Faculté des Sciences, Orsay. 38 et 26 p., 28 figs.
- ELSCHNER, C. 1913: "Corallogene Phosphat-Inseln Austral-Oceaniens". Lubeck. 120 p.
- EPP, D. 1979: Motion of the Pacific plate relative to the hotspot co-ordinate system. *Rep. Hawaii Inst. Geophys.* 16 p., table, 7 figs.
- EPP, D. 1979: Age and tectonic relationships among volcanic chains on the Pacific plate. (Abstr.) P. 121 in Symposium on "Intraplate Volcanism and Submarine Volcanism", Hilo, Hawaii, July 1979.
- FAGES, J. 1975: Petit Atlas de la Polynésie Française. *Dossiers Soc. Océan. Paris*, 19 : 38 et 2 p.
- FONTES, J.C.; KILBICKI, G.; LETOLLE, R. 1969: Les sondages de l'atoll de Mururoa : aperçu géochimique et isotopique de la série carbonatée. *Cah. Pacif.* 13 : 69-74.
- FONTES, J.C.; LETOLLE, R. 1973: Approche géochimique et isotopique des conditions de diagenèse et d'épigenèse des carbonates sur un atoll dolomitise (Mururoa). *Iere Réunion. a. Sci. Terre, Paris 1973* : 169.
- FOUHY, E.; THOMPSON, R.M.C. 1980: Selected list of bibliographies of South Pacific Islands. *Misc. Publs N.Z. oceanogr. Inst.* 91 : 30 p.

- FRIEDRICH, G.; GLASBY, G.P.; PLÜGER, W.L.; THUSSEN, T. 1981: Results of the recent exploration for manganese nodules in the South Pacific by R.V. *Sonne*. *Inter-Ocean '81* : 72-81.
- GARNIER, J. 1868: Ile Tahiti, exploration géologique. *Messages de Tahiti, Papeete*.
- GARNIER, J. 1868: Excursion géologique autout de l'île de Tahiti. *Bull. Soc. Géogr., Paris 5(16)* : 447-466.
- GARNIER, J. 1868: Géologie de l'île Tahiti. *Cosmos, Paris, Ser. 3, 4* : 357-361.
- GARNIER, J. 1870: Note géologique sur l'Océanie, les Iles Tahiti et Raiatea. *Annls Mines, Ser. 6, 17* : 377-441.
- GAUTHIER, M.; BLOCH, P. 1980: Ile de Tahaa : Baie de Tapuamu. Sondages du reconnaissance, essais de pompage. *Rapp. Lab. Trav. Publ. Polynésie Fr., Papeete 1980* : 6 p + 10 p.
- GEOLOGICAL SURVEY OF JAPAN, 1982: Results of cruise GH 80-1 : Kiribati, Cook Islands and French Polynesia. *Cruise Rep. geol. Surv. Japan 18*.
- GEZE, B. 1963: Observations tectoniques dans le Pacifique (Hawaii, Tahiti, Nouvelles-Hébrides). *Bull. Soc. géol. Fr., 7e Ser.* : 154-164.
- GIESKES, J.M. 1975: Interstitial water studies, Leg 33. In Schlanger, S.O.; Jackson, E.D. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 563-570.
- GISOLF, W.F. 1929: Les roches de Tahiti. *Proc. K. ned. Akad. Wet. 32(8)* : 1032-1042.
- GLASBY, G.P. 1981: Manganese nodule studies in the Southwest Pacific 1975-1980. *S. Pacif. mar. geol. Notes 2(3)* : 37-46.
- GLASBY, G.P.; THUSSEN, T. 1982: The nature and composition of the acid-insoluble residue and hydrolysate fraction of manganese nodules from selected areas in the Equatorial and S.W. Pacific. *Tschermaks Min. Petr. Mitt. 30* : 205-225.
- GRANGE, J. 1854: Géologie, Minéralogie et Géographie physique. In "Voyage au Pole Sud et dans l'Océanie sur les corvettes l'Astrolabe et la Zélée". No. 2 : 1-75, 209-215.
- GREENBERG, J.G.; OKAL, E.A. 1983: Intraplate seismicity of the southern part of the Pacific area. *EOS Trans. Am. geophys. Un. 64(18)* : 269.
- GROMME, S.; VINE, F.J. 1972: Paleomagnetism of Midway Atoll lavas and northward movement of the Pacific plate. *Earth Planet. Sci. Lett. 17* : 159-168.
- GUERIN, H. 1973: Distribution du manganèse dans quelques series volcaniques continentales et océaniques. *Iere Réunion. a. Sci. Terre, Paris 1973* : 216.
- GUERIN, H.; BLANCHARD, F.; NATIVEL, P. 1980: Coefficients de partage olivine, pyroxene/liquide du manganèse, dans deux séries volcaniques intraocéaniques (Moorea, Océan Pacifique, et Réunion Océan Indien). *C. r. hebd. Séanc. Acad. Sci., Paris, Sér. D 290* : 1509-1512.
- GUILCHER, A. 1965: L'expédition de Maupihaa et Bora Bora (Iles de la Société, Polynésie) Juillet-août 1963. *Cah. Pacif. 7* : 166-171.
- GUILCHER, A. 1966: Coarse river deposits in some humid tropical islands of Polynesia and Melanesia (Tahiti, Guadalcanal, New Britain, New Guinea). (Abstr.) *Proc. 11th Pacif. Sci. Congr., Tokyo* : 8.
- GUILCHER, A. 1967: Les Iles Gilbert comparées aux Tuamotu. *J. Soc. Ocean. 23* : 101-114.
- GUILCHER, A. 1968: Données récentes sur l'âge absolu des chaînes insulaires et des récifs coralliens des Territoires français de l'Océan Pacifique. (Abstr.) *Proc. 21st Congr. Int. Geogr. Un., New Delhi* : 88.
- GUILCHER, A. 1968: Transport de sédiments par-dessus des bordures d'atolls et les récifs-barrière dans le Pacifique-Sud. *Proc. 2nd Int. Oceanogr. Congr., Moscou* : 242-250, 8 figs.
- GUILCHER, A. 1969: Pleistocene and Holocene sea level changes. *Earth Sci. Rev. 5* : 69-97.
- GUILCHER, A. 1969: Etudes françaises sur le quaternaire dans le Pacifique. Pp 247-251 in "Etudes françaises sur le Quaternaire présentées à l'occasion du Congrès International de l'INQUA", Paris, 1969.
- GUILCHER, A. 1970: Les variations relatives du niveau de la mer au quaternaire en Mélanésie et en Polynésie. *Quaternaria 12* : 137-143.

- GUILCHER, A.; SAINT-REQUIER, A.; DOUMENGE, F. 1966: Les teneurs des sédiments en carbonate de calcium dans le lagon de Tahiti, et dans les lagons derrière des barrières coralliennes en général. *C. r. heb. Seanc. Acad. Sci., Paris* 263 : 25-27.
- GUILLE, G. 1974: Contribution à l'étude géologique des îles de la Polynésie Française : Les Gambier. Thèse 3ème cycle, Orsay. 215 p.
- GUILLEN, J. 1977: Île de Tubuai, Secteur de Mataura, Reconnaissance hydrogéologique, 1ère phase. *Rapp. Lab. Trav. Publ. Polynésie Fr., Papeete* 1977 : 7 p, 1 carte.
- HAGGERTY, J.A.; SCHLANGER, S.O.; PREMOLI-SILVA, I. 1981: Cretaceous volcanism in the southern Line Islands. *EOS Trans. Am. geophys. Un.* 61(17) : 381.
- HAGGERTY, J.A.; SCHLANGER, S.O.; PREMOLI-SILVA, I. 1982: Late Cretaceous and Eocene volcanism in the southern Line Islands and implications for hot-spot theory. *Geology* 10(8) : 433-437.
- HARKRIDER, D.G.; OKAL, E.A. 1982: Propagation and generation of high-frequency sediment-controlled Rayleigh Modes following shallow earthquakes in the south central Pacific. *EOS Trans. Am. geophys. Un.* 63(45) : 1025.
- HARRINGTON, H.J. 1976: Tectonics of the Pacific Basin and the Circum-Pacific Rim; an annotated bibliography for the interval 1967-1975. The University of New England, Armidale. 202 p.
- HAYS, J.D. *et al.* 1971: "Initial Reports of the Deep Sea Drilling Project, Volume 9". Washington. (U.S. Government Printing Office) : 1208 p.
- HAYS, J.D. *et al.* 1971: Introduction. In Hays, J.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 9". Washington. (U.S. Government Printing Office) : 3-20A.
- HAYS, J.D. *et al.* 1971: Site 76 Report. In Hays, J.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 9". Washington.. (U.S. Government Printing Office) : 21-41.
- HAYS, J.D. *et al.* 1971: An interpretation of the geologic history of the Eastern Equatorial Pacific from the drilling results of *Glomar Challenger*, Leg 9. In Hays, J.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 9". Washington. (U.S. Government Printing Office) : 909-931.
- HAYS, J.D.; SAITO, T.; OPDYKE, N.D.; BURCKLE, L.H. 1969: Pliocene-Pleistocene sediments of the Equatorial Pacific : Their paleomagnetic, biostratigraphic and climatic record. *Bull. geol. Soc. Am.* 80 : 1481-1514.
- HEAU, G. 1974: La Polynésie Française - Eléments de Géologie locale. Vice-Rectorat, Ecole Normale et Bureau Pédagogique, Papeete. 64 p.
- HEDGE, C.E. 1978: Strontium isotopes in basalts from the Pacific Ocean basin. *Earth Planet. Sci. Lett.* 38 : 88-94.
- HEEZEN, B.C.; GLASS, B.; MENARD, H.W. 1966: The Manihiki Plateau. *Deep-Sea Res.* 13 : 445-458.
- HERNANDEZ-PACHELO, A. 1969: The tahitites of Gran Canaria and hauynitization of their inclusions. *Bull. volcan.* 33(3) : 701-728.
- HÖFER, H. 1908: Das polynesische alteozäne Festland. *Sber. Akad. Wiss. Wien Abt. I* 117 : 513-518.
- HOFFERT, M. 1980: Les "argiles songes des grands fonds" dans le Pacifique centre-est; authigénèse, transport, diagenèse. *Sciences Géol., Mém.* 61 : 231 p., 64 tables, 12 pls.
- HOFFERT, M.; KARPOFF, A.M.; CLAVER, N.; SCHAAF, A.; COURTOIS, C.; PAUTOT, G. 1978: Néoformations et altérations dans trois faciès volcano - sédimentaires du Pacifique Sud. *Oceanol. Acta* 1 : 187-
- HOFFERT, M.; SCHAAF, A.; DUNOYER DE SEGONZAC, G.; KARPOFF, A.M.; CLAUÉ, N.; COURTOIS, C. 1976: Sédimentation authigène dans une zone profonde du Pacifique Sud, Mission TRANSPAC I, Station 23. *4ème Réunion. a. Sci. Terre, Paris* 1976 : 227.
- IDDINGS, J.P. 1918: A contribution to the petrography of the south sea islands. *Proc. natn. Acad. Sci. U.S.A.* 4 : 110-117.
- ISEZAKI, N.; INOKUCHI, H. *et al.* 1983: "Magnetic Data Book on the Central and the South Pacific Islands". Department of Earth Sciences, Faculty of Science, Kobe University, Kobe, Japan. 105 p.

- JACKSON, E.D. 1976: Linear volcanic chains in the Pacific Plate. In Sutton, G.H.; Mangham, M.H. *et al.* (eds) "The Geophysics of the Pacific Basin and its Margin". *Geophys. Monogr.* 19 : 319-335.
- JACKSON, E.D.; SCHLANGER, S.O. 1976: Regional synthesis, Line Island chain – Tuamotu island chain, and Manihiki Plateau, central Pacific Ocean. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 915-927.
- JACKSON, E.D.; SHAW, H.R. 1975: Stress fields in central portions of the Pacific plate delineated in time by linear volcanic chains. *J. geophys. Res.* 80(14) : 1861-1874.
- JACQUEMART, – 1875: Iles Gambier, *Annls hydrogr.* 38.
- JARRARD, R.D.; CLAGUE, D.A. 1977: Implications of Pacific island and seamount ages for the origin of volcanic chains. *Rev. Geophys. Space Phys.* 15 : 57-76.
- JARRARD, R.D.; TURNER, D.L. 1979: Comments on "Lithospheric flexure and uplifted atolls" by H. McNutt and H.W. Menard. *J. geophys. Res.* 84 : 5691-5694.
- JAUBERT, J.; THOMASSIN, A.; VASSEUR, P. 1976: Morphologie et étude binomique préliminaire de la pente externe du récif de Tiahura Ile de Moorea (Polynésie Française). *Cah. Pacif.* 19 : 229-324.
- JEREMINE, E. 1959: Sur quelques laves de l'Ile Raivavae (Archipel Tubuai ou Austral). *Bull. volcan., Ser. II, 21* : 117-125, 2 pls.
- JEREMINE, E.; SANDREA, A. 1960: Sur un basalte de Tahiti. *C. r. Congr. Socs sav. Paris Sect. Sci., Dijon 1960* : 337-343.
- JOBERT, N.; GAULON, R.; BARSCZUS, H.G.; CARA, M.; FELS, J.-F.; LEVEGUE, J.-J.; ROSEMBERG, C. 1979: Premier results de la station sismologique a l'longue periode de Pamatai (Tahiti) : dispersion des ondes de Rayleigh a travers le Pacifique. *C. r. hebdom. Séanc. Acad. Sci., Paris, Sér. D 288* : 983-985.
- JOHNSON, D.A. 1976: Cenozoic radiolarians from the Central Pacific, DSDP, Leg 33. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 425-437.
- JOHNSON, R.H. 1980: Seamounts in the Austral Islands region. *Res. Rep., Natn geogr. Soc.* 12 : 389-405.
- JOHNSON, R.H.; MALAHOFF, A. 1971: Relation of MacDonald volcano to migration of volcanism along the Austral chain. *J. geophys. Res.* 76 : 3282-3290.
- JOHNSON, R.H.; NORTHROP, J.; EPPLEY, R. 1963: Sources of Pacific T-phases. *J. geophys. Res.* 68 : 4251-4260.
- JOSHIMA, M. 1982: Remanent magnetisation of piston cores from the Wake-Tahiti Transect in the Central Pacific. *Cruise Rep. geol. Surv. Japan 18* : 276-287.
- JOSHIMA, M.; OKUDA, Y. 1982: Magnetic and gravity profiles of the Wake-Tahiti Transect, GH 80-1 cruise. *Cruise Rep. geol. Surv. Japan 18* : 36-45.
- JURDY, D.M. 1981: True polar wander. *Tectonophysics* 74(1-2) : 1-16.
- KANEPS, A.G. 1976: Cenozoic planktonic Foraminifera, Equatorial Pacific Ocean, Leg 33, DSDP. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 361-367.
- KARPOFF, A.M.; HOFFERT, M.; DUNOYER DE SEGONZAC, G.; CLAUER, N.; COURTOIS, C.; SCHAAF, A. 1976: Sedimentation authigene dans une zone profonde du Pacifique Sud (Mission TRANSPAC I, Station 23). *4eme Reun. a. Sci. Terre, Paris 1976* : 239.
- KITAGAWA, Y. 1975: Preliminary report on the geological investigation of the Vaitootia site area, Huahine, Society Islands. *Rep. Hist. Mus. Hokkaido, Japan, 1975*.
- KRUMMENACHER, D.; DOWD, D.H.; DUDA, V.F.; CUNNINGHAM, W.B.; KINGERY, F.L.; SPEIDEL, W.F. 1972: Potassium-argon ages from xenoliths and differentiates in coarse-grained rocks from the center of the island of Tahiti (French Polynesia). *Abstr. Progr. geol. Soc. Am.* 1972 : 186.
- KUNZENDORF, H.; GLASBY, G.P.; PLUGER, W.L.; FRIEDRICH, G.H. 1982: The distribution of uranium in some Pacific manganese nodules and crusts. *Uranium 1* : 19-36.
- KYSERIT, K.; O'NEIL, J.R.; CARMICHAEL, I.S.E. 1982: Genetic relations among basic lavas and ultramafic nodules : Evidence from oxygen isotope compositions. *Contr. Miner. Petrol.* 81 : 788-802.

- LACROIX, A. 1893: "Minéralogie de la France et de ses colonies. Description physique et chimique des minéraux. Etude des conditions géologiques de leurs gisements". Baudry et Cie., Paris. 5 vols.
- LACROIX, A. 1902: Monzonites néphéliniques de Tahiti. In "Matériaux pour la Minéralogie de Madagascar". *Nouv. Archs Mus. Hist. nat., Paris* 4(4) : 133-134.
- LACROIX, A. 1904: Les roches à néphéline de Tahiti. *C. r. hebd. Séanc. Acad. Sci., Paris* 139 : 953-956.
- LACROIX, A. 1904: Notes sur la minéralogie de Tahiti. *Bull. Soc. fr. Minér.* 27 : 272-279.
- LACROIX, A. 1906: Sur la transformation des roches volcaniques en phosphate d'alumine sous l'influence des produits d'origine physiologique. *C. r. hebd. Séanc. Acad. Sc., Paris* 143 : 661-664.
- LACROIX, A. 1909: Sur la constitution pétrographique de Tahiti. *C. r. somm. Séanc. Soc. géol. Fr., Paris* 4(9) : 84-85.
- LACROIX, A. 1910: Consequences générales à tirer de l'étude de la constitution pétrographique de Tahiti. *C. r. hebd. Séanc. Acad. Sc., Paris* 151 : 121-126.
- LACROIX, A. 1910: Les roches alcalines de Tahiti. *Bull. Soc. géol. Fr.* 4(10) : 91-124, 2 pls.
- LACROIX, A. 1916: Le sol-distant granite (gabbro à olivine) de l'île de Bora Boara. *C. r. somm. Séanc. Soc. géol. Fr., Paris* 4(16) : 178-179.
- LACROIX, A. 1916: Sur quelques roches volcaniques mélanocrates des possessions françaises de l'Océan Indien et du Pacifique. *C. r. hebd. Séanc. Acad. Sci., Paris* 163 : 177-183.
- LACROIX, A. 1917: Les laves à hauyne d'Auvergne et leurs enclaves homogènes; importance théorique de ces dernières (définition des tahitites). *C. r. hebd. Séanc. Acad. Sci., Paris* 164 : 581-588.
- LACROIX, A. 1920: La systématique des roches grenues à plagioclases et feldspathoïdes. *C. r. hebd. Séanc. Acad. Sci., Paris* 170 : 20-25.
- LACROIX, A. 1923: L'archipel de la Société, Tahiti, etc. *Minéralogie de Madagascar, Paris* 3 : 279-289.
- LACROIX, A. 1927: La constitution lithologique des volcans du Pacifique central austral. *C. r. hebd. Séanc. Acad. Sci., Paris* 185 : 425-429.
- LACROIX, A. 1927: La constitution lithologique des volcans du Pacifique Central Austral. *Bull. volcan.* 4, 13-14 : 218-231.
- LACROIX, A. 1936: Composition minéralogique des roches volcaniques de l'île de Paques. *C. r. hebd. Séanc. Acad. Sci., Paris* 202 : 527-530.
- LACROIX, A. 1936: Composition chimique des laves de l'île de Paques. *C. r. hebd. Séanc. Acad. Sci., Paris* 202 : 601-605.
- LACROIX, A. 1936: Le volcan actif de la Réunion et ses produits. Paris. 297 p.
- LACROIX, A. 1939: Remarques sur les volcans sous-marins, à propos de ponces rhyolitiques recueillies sur l'atoll Marutea du Sud, archipel des Tuamotu. *C. r. hebd. Séanc. Acad. Sci., Paris* 208 : 609-611.
- LACROIX, A. 1962: "Minéralogie de la France et de ses anciens territoires d'outre-mer". Albert Blanchard, Paris. 6 vols.
- LALOU, C.; DUPLESSY, J.C.; NGUYEN HUU VAN, 1971: Données géochronologiques actuelles sur les niveaux des mers et la paléoclimatologie de l'interglaciaire Riss-Würm. *Revue Géol. dyn. Geogr. phys.* 13(5) : 447-462.
- LAMBECK, K. 1981: Flexure of the ocean lithosphere from island uplift, bathymetry and geoid height observations: The Society Islands. *Geophys. J. R. astr. Soc.* 67(1) : 91-114.
- LAMBECK, K. 1981: Lithospheric response to volcanic loading in the Southern Cook Islands. *Earth Planet. Sci. Lett.* 55 : 482-496.
- LAMBECK, K.; NAKIBOGLU, S.M. 1980: Seamount loading and stress in the ocean lithosphere. *J. geophys. Res.* 85 : 6403-6418.
- LANDS AND SURVEY, New Zealand, 1978: French Polynesia. Pp 35-36, pl.18 "Atlas of the South Pacific". Government Printer, Wellington.

- LANPHERE, M.A.; DALRYMPLE, G.B. 1976: K-Ar ages of basalts from DSDP Leg 33 : Site 315 (Line Islands) and 317 (Manihiki Plateau). In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 649-653.
- LAURENT, R.; SEGUIN, M.K.; BARSCZUS, H.G.; RICKER DE FORGES, B. 1982: Magnetic properties, petrology and geochemistry of MacDonald Seamount and Marotiri Islands, Austral Islands, South Pacific Ocean. *EOS Trans. Am. geophys. Un.* 63(18) : 474.
- LEEMAN, W.P.; DUNCAN, R.A. 1980: REE patterns from shield-building lavas in the Society Islands. *EOS Trans. Am. geophys. Un.* 61(46) : 1144.
- LEFEVRE, - 1873: Iles Tuamotu, Gambier et Marquises. *Annls hydrogr.* 36 : 465-481.
- LEINEN, M. 1979: Biogenic silica accumulation in the central Equatorial Pacific and its implications for Cenozoic paleoceanography : Summary. *Bull. geol. Soc. Am.* 90(9) : 801-803.
- LEVY, A.M. 1905: Examen petrographique de quelques roches volcaniques des iles Tuamotu et de l'île Pitcairn. *C. r. hebd. Seanc. Acad. Sci., Paris* 141 : 895-897.
- MAINGUY, M. 1975: Bibliography of the geology and geophysics of French Oceania. In Kroenke, L.W.; Bardsley, E. (eds) "Bibliography of Geology and Geophysics of the South Pacific". *U.N. ESCAP, CCOP/SOPAC Tech. Bull. 1* : 19-22.
- MAINGUY, M. 1975: Bibliography of the geology and geophysics of French Polynesia. In Kroenke, L.W.; Bardsley, E. (eds) "Bibliography of Geology and Geophysics of the South Pacific". *U.N. ESCAP, CCOP/SOPAC Tech. Bull. 1* : 23-27.
- MAMMERICKX, J.; ANDERSON, R.N.; MENARD, H.W.; SMITH, S.M. 1975: Morphology and tectonic evolution of the east central Pacific. *Bull. geol. Soc. Am.* 86 : 111-118.
- MAMMERICKX, J.; HERRON, E.; DORMAN, L. 1980: Evidence for two fossil spreading ridges in the Southeast Pacific. *Bull. geol. Soc. Am.* 91, Pt 1 : 263-271.
- MAMMERICKX, J.; SMITH, S.M. 1980: General bathymetric chart of the Oceans. (GEBCO). 5th Edition. Sheet 5.11. Scale 1:10,000,000. Mercator projection. IHO/IOC.
- MAMMERICKX, J.; SMITH, S.M.; TAYLOR, I.L.; CHASE, T.E. 1973: Bathymetry of the South Pacific. Chart 13. Scripps Institution of Oceanography, La Jolla.
- MAMMERICKX, J.; SMITH, S.M.; TAYLOR, I.L.; CHASE, T.E. 1973: Bathymetry of the South Pacific. Chart 14. Scripps Institution of Oceanography, La Jolla.
- MARIE, P.; MECHLER, P. 1982: Structure de la croûte en Polynésie Française. *9eme Reun. a. Sci. Terre, Paris 1982* : 412.
- MARSHALL, P. 1911: Coral reefs of the Cook and Society Islands. *Rep. Australas. Ass. Advmt Sci.* 13 : 140-145.
- MARSHALL, P. 1929: Mangaia and Rurutu : A comparison between two Pacific islands. *Geol. Mag.* 66 : 385-389.
- MARTINI, E. 1976: Cretaceous to Recent calcareous nannoplankton from the Central Pacific Ocean (DSDP Leg 33). In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 383-424.
- MATSUBAYASHI, O. 1982: Reconnaissance measurements of heat flow in the Central Pacific. *Cruise Rep. geol. Surv. Japan* 18 : 90-94.
- MATSUBAYASHI, O.; MIZUNO, A. 1982: Bottom potential temperature and vertical temperature profiles of near bottom waters in the Central Pacific. *Cruise Rep. geol. Surv. Japan* 18 : 231-237.
- MATSUDA, J.I. 1980: Low Sr isotopic ratios of alkali basalts from the Line Islands in the Pacific Ocean. *Geochem. J.* 14 : 41-46.
- MATSUDA, J.I.; NOTSU, K.; KIKUKAWA, T.; YASKAWA, K. 1981: Sr-isotopes in volcanic rocks from the South Pacific Ocean : Samoa, Rarotonga, Rurutu and Marquesas. *Rock Magnet. Paleogeophys.* 8 : 100-105.
- MAURY, R.C. 1976: Contamination (par l'encaissant et les enclaves) et cristallisation fractionnée de séries volcaniques alcalines, continentales (Massif Central Français) et océaniques (Pacifique Central) : l'origine des laves acides. Thèse, Université de Paris-Sud (Orsay). 455 p.

- MAURY, R.C.; ANDRIAMBOLOLONA, R.; DUPUY, C. 1978: Evolution comparée de deux séries alcalines du Pacifique Central : Role de la fugacité d'oxygène et de la pression d'eau. *Bull. volcan.* 41(2) : 1-22.
- MAURY, R.C.; BROUSSE, R. 1977: Rôle de la fugacité d'oxygène et de la pression d'eau dans la différenciation de séries alcalines du Pacifique Central. *5eme Réunion. a. Sci. Terr.* 1977 : 329.
- MAURY, R.C.; GUERIN, H.; BROUSSE, B. 1977: Comportement du manganèse au cours de la cristallisation fractionnée de séries volcaniques. *Chem. Geol.* 24 : 83-95.
- MAURY, R.C.; BROUSSE, R. 1978: Volcanologie et pétrologie de l'île de Nuku Hiva dans les îles Marquises (Pacifique Central). B. Une série basalte alcalin - trachyte quartzifère en environnement océanique. *Cah. Pacif.* 21 : 154-188.
- MCBIRNEY, A.R.; AOKI, K. 1968: Petrology of the island of Tahiti. In Coats, R.R.; Hay, R.L.; Anderson, C.A. (eds) "Studies in Volcanology. A Memoir in Honour of Howell Williams". *Mem. geol. Soc. Am.* 116 : 523-556.
- MCDUGALL, I.; DUNCAN, R.A. 1980: Linear volcanic chains - recording plate motions? In Banks, M.R.; Green, D.H. (eds) "Orthodoxy and Creativity at the Frontiers of Earth Sciences. (Carey Symposium). *Tectonophysics* 63 : 275-295.
- MCKINSTRY, H.E. 1939: Discussion : "Pillow" lavas from Bora Bora, Society Islands. *J. Geol.* 47 202-204.
- MCNUTT, M.K. 1978: Continental and oceanic isostasy. Unpubl. Ph.D. thesis, University of California, San Diego. 192 p.
- MCNUTT, M.K.; MENARD, H.W. 1978: Lithospheric flexure and uplifted atolls. *J. geophys. Res.* 83 : 1206-1212.
- MCNUTT, M.K.; MENARD, H.W. 1979: Reply. *J. geophys. Res.* 84(B10) : 5695-5697.
- MENARD, H.W. 1980: Vertical motion of oceanic islands. *Abstr. Progr. geol. Soc. Am.* 12(7) : 482.
- MENARD, H.W.; MCNUTT, M.K. 1981: Aprons, moats, arch, swells and guyot relief. (Abstr.) *EOS Trans. Am. geophys. Un.* 62(45) : 1028.
- MENARD, H.W.; MCNUTT, M.K. 1982: Evidence for and consequences of thermal rejuvenation. *J. geophys. Res.* 87(B10) : 8570-8580.
- MICHEL-LEVY, A. 1905: Examen pétrographique de quelques roches volcaniques des îles Tuamotu et de l'île de Pitcairn. *C. r. hebdomadaire. Seances Acad. Sci., Paris* 141 : 895-897.
- MILNE, A.R. 1959: Comparison of spectra of an earthquake T-phase with similar signals from nuclear explosions. *Bull. seism. Soc. Am.* 49 : 317-329.
- MITA, N.; NAKAO, S.; KATO, K. 1982: Minor chemical composition of bottom sediments from the Central Pacific Wake-Tahiti Transect. *Cruise Rep. geol. Surv. Japan* 18 : 313-337.
- MIZUNO, A.; NAKAO, S. et al. 1982: The GH 80-1 cruise : General remarks. *Cruise Rep. geol. Surv. Japan* 18 : 1-35.
- MIZUNO, A.; OKUDA, Y. 1982: Seismic reflection profiles of the Wake-Tahiti transect, GH 80-1 cruise. *Cruise Rep. geol. Surv. Japan* 18 : 46-89.
- MONIOD, F. 1974: Etude hydrologique des îles Gambier. *Cah. Pacif.* 18(1) : 291-325.
- MONTAGNER, J.P. 1982: Structure profonde de l'Océan Pacifique à partir de la dispersion des ondes de Rayleigh de longue période. *9eme Réunion. a. Sci. Terre, Paris* 1982 : 451.
- MONTAGNER, J.P.; JOBERT, N. 1981: Investigation of upper mantle structure under young regions of the Southeast Pacific using long-period Rayleigh waves. *Phys. Earth Planet. Interiors* 27 : 206-222.
- MONTI, S.; PAUTOT, G. 1975: Carte bathymétrique GEBCO 297, Marquises, 1:1,000,000  
Carte bathymétrique GEBCO 327, Tahiti, 1:1,000,000  
Carte bathymétrique GEBCO 328, Raroia, 1:1,000,000  
Carte bathymétrique GEBCO 358, Hao, 1:1,000,000  
Carte bathymétrique GEBCO 359, Moruroa, 1:1,000,000
- CNEXO, COB.
- MONTI, S.; PAUTOT, G. 1975: Carte bathymétrique du Pacifique Sud, 1:2,800,000. CNEXO, COB.
- MORGAN, W.J. 1971: Convection plumes in the lower mantle. *Nature, Lond.* 230 : 42-43.

- MORGAN, W.J. 1972: Deep mantle convection plumes and plate motions. *Bull. Am. Ass. Petrol. Geol.* 56(2) : 203-213.
- MORGAN, W.J. 1972: Plate motions and deep mantle convection. In Shagen, R. et al. (eds) "Studies in Earth and Space Sciences", Hess Volume. *Mem. geol. Soc. Am.* 132 : 7-22.
- MOTTAY, G. 1976: Contribution à l'étude géologique de la Polynésie Française, Archipel des Australes, Mehetia (Archipel de la Société). Thèse 3eme cycle, Université Paris XI, Orsay. 217 p.
- NAKAO, S.; SAITO, T. 1982: Geotechnical properties of deep-sea sediment, Wake to Tahiti. *Cruise Rep. geol. Surv. Japan* 18 : 95-123.
- NITECKI-NOVOTNY, S. 1975: Petrographie et géochimie des roches plutoniques basiques de la caldeira de Tahiti Nui, Pacifique. Thèse 3eme cycle, Université Paris XI, Orsay. 253 p.
- NOCKOLDS, S.R. 1954: Average chemical compositions of some igneous rocks. *Bull. geol. Soc. Am.* 65 : 1007-1032.
- NOCKOLDS, S.R.; ALLEN, R. 1954: The geochemistry of some igneous rock series, part II. *Geochim. cosmochim. Acta* 5 : 245-285.
- NORRIS, R.A.; JOHNSON, R.H. 1969: Submarine volcanic eruptions recently located in the Pacific by SOFAR hydrophones. *J. geophys. Res.* 74 : 650-654.
- NOVOTNY, S. 1973: Abundance et distribution des terres rares dans les roches hypovolcaniques de la caldeira de Tahiti (Pacifique). *Iere Reun. a. Sci. Terre, Paris 1973* : 320.
- OKAL, E.A.; KUSTER, G. 1975: A teleseismic array study in French Polynesia. Implications for distant and local structure. *Geophys. Res. Lett.* 2(1) : 5-8.
- OKAL, E.A.; TALANDIER, J. 1980: Rayleigh-wave phase velocities in French Polynesia. *Geophys. J. R. astr. Soc.* 63 : 719-733.
- OKAL, E.A.; TALANDIER, J. 1980: Dispersion of one-second Rayleigh modes through oceanic sediments following shallow earthquakes in the South-Central Pacific Ocean basin. In Proceedings of SALLANT-ASW Conference on "Bottom Interacting Ocean Acoustics", La Spezia, Italy, June 1980.
- OKAL, E.A.; TALANDIER, J.; JORDAN, T.H.; SVERDRUP, K. 1979: Submarine volcanism, seismicity and tectonic stress in the south-central Pacific. P. 25 in Symposium on "Intraplate Volcanism and Submarine Volcanism", Hilo, Hawaii, July 1979.
- OKAL, E.A.; TALANDIER, J.; SVERDRUP, K.A.; JORDAN, T.H. 1980: Seismicity and tectonic stress in the South-Central Pacific. *J. geophys. Res.* 85(B11) : 6479-6495.
- PANTALONI, A. 1976: Contribution au paleomagnetisme des îles de la Polynésie Française. D.S.E, Université Paris-Sud, Orsay. 83 p.
- PATCHETT, P.J. 1982: <sup>176</sup>Hf/<sup>177</sup>Hf behaviour at the limits of mantle Hf-Nd-Sr isotopic variation. *EOS Trans. Am. geophys. Un.* 63(18) : 460.
- PATCHETT, P.J. 1983: Hafnium isotope results from mid-ocean ridges and Kerguelen. *Lithos* 16 : 47-51.
- PATCHETT, P.J.; TATSUMOTU, M. 1980: Hafnium isotope variations in oceanic basalts. *Geophys. Res. Lett.* 7(12) : 1077-1080.
- PAUTOT, G. 1975: Analyse structurale de l'Archipel des Tuamotu : Origine volcanotectonique. *3eme Reun. a. Sci. Terre, Montpellier 1975* : 288.
- PAUTOT, G. 1975: Tuamotu archipelago and adjacent areas; hot spot or not? *Bull. geol. Soc. Am.*
- PAUTOT, G.; DUPONT, J. 1974: La zone de fracture des Marquises. *C. r. hebd. Seanc. Acad. Sci., Paris, Ser. D* 279 : 1519-1521.
- PAUTOT, G.; HOFFERT, M. 1974: Extension du plan nord de l'Archipel des Tuamotu : Analyse structurale et sedimentologique. *2eme Reun. a. Sci. Terre, 1974* : 310.
- PAUTOT, G.; MELGUEN, M. 1975: Sedimentary hiatus and Antarctic bottom current in the South Central Pacific Ocean (Tuamotu). *Deep-Sea Res.*
- PAUTOT, G.; MELGUEN, M. 1976: Deep bottom currents, sedimentary hiatuses and pyrometallurgical nodules. In Glasby, G.P.; Katz, H.R. (eds) "Marine Geological Investigations in the Southwest Pacific and Adjacent Areas". Papers presented at the I.D.O.E. Workshop, Suva, Fiji, September 1975. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 2 : 54-61.



- PETERMAN, Z.E.; HEDGE, C.E. 1971: Related strontium isotopic and chemical variations in oceanic basalts. *Bull. geol. Soc. Am.* 82 : 493-500.
- PILGER, R.H.; HANDSCHUMACHER, D.W. 1981: The fixed-hotspot hypothesis and origin of the Easter-Sala y Gomez-Nazca trace. *Bull. geol. Soc. Am.* 92 Part 1 : 431-446.
- PLESSIS, Y.; BROUSSE, R.; MOUTON, J.A. 1978: Decouverte de fossiles dans les cendres volcaniques de l'île d'Ua Pou (Groupe des Iles Marquises). *Cah. Pacif.* 21 : 237-241.
- POLLACK, H.N.; GASS, I.G.; THORPE, R.S.; CHAPMAN, D.S. 1981: On the vulnerability of lithospheric plates to mid-plate volcanism : Reply to comments by P.R. Vogt. *J. geophys. Res.* 86(B2) : 961-966.
- POMMIES, N. 1962: Etude lithologique des roches eruptives de quelques îles de la Polynesie Australe. D.E.S., Fac. Sci., Universite de Montpellier. 50 p, 12 pl.
- RANSON, G. 1952: Note sur la cause probable de l'absence de récifs corallien aux îles Marquises et de l'activité recuite des coraux recifaux a Tahiti, aux Tuamotu, etc. *C. r. somm. Séanc. Soc. Biogéogr.* 248-249 : 3-11.
- RANSON, G. 1953: Observations sur les îles basses des Tuamotu (Océanie Française). *C. r. hebd. Séanc. Acad. Sci., Paris* 236 : 2569-2571.
- RANSON, G. 1953: L'archipel des Tuamotu. *Geographie* 25 : 34-38.
- RANSON, G. 1955: Observations sur les principaux agents de la dissolution du calcaire sous-marine dans la zone côtière des îles coralliennes de l'archipel des Tuamotu. *C. r. hebd. Séanc. Acad. Sci., Paris* 240 : 806-808.
- RANSON, G. 1955: Observations sur l'agent essentiel de la dissolution du calcaire dans les régions exondées des îles coralliennes de l'Archipel des Tuamotu. Conclusion sur le processus de la dissolution ou calcaire. *C. r. hebd. Séanc. Acad. Sci., Paris* 240 : 1007-1009.
- RANSON, G. 1956: Observations sur les falaises et les phosphates de Makatea (île des Tuamotu). Le problème de la consolidation des sédiments. *Proc. 8th Pacif. Sci. Congr., Philippines 3A* : 909-918.
- RANSON, G. 1958: Coraux et récifs coralliens. *Bull. Inst. Océanogr., Monaco No. 1121* : 80 p.
- RAVAIAU, N.; MECHLER, P. 1983: A preliminary study of Mb bias at French Polynesia sub-arrays. *EOS Trans. Am. geophys. Un.* 64(18) : 266.
- REPELLIN, P. 1975: Contribution à l'étude pétrologique d'un récif corallien : le sondage "Colette", Atoll de Moruroa (Polynésie Française). These 3eme cycle. 221 p.
- REPELLIN, P. 1977: Contribution à l'étude d'un récif corallien : le sondage "Colette", atoll de Mururoa (Polynésie Française). *Cah. Pacif.* 20 : 1-209, VIII pls.
- REPELLIN, P.; TRICHET, J. 1975: Un exemple de diagénèse de carbonates recifaux (Atoll de Moruroa, Polynésie Française). *Proc. 9th Int. Sedim. Congr., Nice, Thème 7* : 179-186, 3 pls.
- REPELLIN, P.; TRICHET, J. 1977: Le sondage "Colette" : Atoll de Moruroa (Polynesie Française). Devenir des Madreporaires dans un recif en voie de diagenese. In "Proceedings of the 2nd International Symposium on Corals and Fossil Coral Reefs", Paris, September 1975. *Mem. Bur. Rech. Geol. Minier.* 89 : 396-406, 1 table, 4 pls.
- RIBOURT, R.F. 1895: Observations géologiques sur Tahiti et les îles basses de l'archipel des Tuamotu. *Bull. Soc. geol. Fr., Ser. 6, 16* : 18-40.
- RICARD, M.; DELESALLE, B.; GABRIE, C.; POINTIER, J.P. 1983: Main biological, hydrological and sedimentological features of Lake Vaihira (Tahiti, French Polynesia). *Progm. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 198.
- ROBERTSON, E.I. 1965: Gravity base stations in the South-west Pacific Ocean. *N.Z. J. Geol. Geophys.* 8(3) : 424-439.
- ROLLIN, L. 1928: Note sur la géologie de îles Marquises. *J. Off. Etabl. Fr. Oceanie, Papeete* 76 : 55-68.
- SAILOR, R.V.; OKAL, E.A. 1982: Discovery of an uncharted fracture zone in the S. Central Pacific, and its relationship to intraplate seismicity. (Abstr.) *EOS Trans. Am. geophys. Un.* 63(18) : 447.

- SAITO, T.; TSURUSAKI, K. 1982: Manganese nodules of the Wake-Tahiti Transect : A relationship between coverage and abundance. *Cruise Rep. geol. Surv. Japan No. 18* : 224-230.
- SALLES-HOMERY, M. 1939: Etude sur les elements magnetiques dans les possessions francaises du Pacifique. *Proc. 6th Pacif. Sci. Congr., San Francisco I* : 205.
- SCHLANGER, S.O.; JACKSON, E.D. 1974: Linear island chain chronologies : Leg 33, Deep sea drilling results from the Line and Tuamotu Islands. *Abstr. Progr. geol. Soc. Am.* 6(7) : 941.
- SCHLANGER, S.O.; JACKSON, E.D. *et al.* 1974: Testing a hot spot theory. *Geotimes* 19 : 16-20.
- SCHLANGER, S.O.; JACKSON, E.D. *et al.* 1975: "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 973 p.
- SCHLANGER, S.O.; JACKSON, E.D. *et al.* 1976: Introduction and explanatory notes. *In* Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 5-24.
- SCHLANGER, S.O.; JACKSON, E.D. *et al.* 1976: Site reports : Site 318. *In* Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 301-357.
- SCHLANGER, S.O.; WINTERER, E.L. 1976: Underway geophysical data : Navigation, bathymetry, magnetics and seismic profiles. *In* Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project; Volume 33". Washington. (U.S. Government Printing Office) : 655-693.
- SELSIE, M.-A.; BIZOUARD, H.; BROUSSE, R. 1980: Les zeolithes de Tubuai. *Cah. Indo-Pacif.* 2(4) : 195-206.
- SEMAH, F. 1978: Observations concernant les formations alluviales de l'île de Tahiti (Archipel de la Societe). *Rapp. ORSTOM Cent. Tahiti* : 29 p.
- SERVANT, J. 1974: Un probleme de geographie physique en Polynesie Francaise : l'erosion. Exemple de Tahiti. *Cah. ORSTOM, Ser. Sci. Hum.* 9(3-4) : 203-209.
- SETCHELL, W.A. 1922: A reconnaissance of the vegetation of Tahiti with special reference to that of the reefs. *Yb. Carnegie Instn Wash.* 21 : 180-187.
- SETCHELL, W.A. 1926: Phytogeographical notes on Tahiti. *Univ. Calif. Publs Bot.* 12(8) : 291-324.
- SEURAT, L.G. 1903: Observations sur les îles basses de l'archipel des Gambier. *J. Off. Etabl. Fr. Oceanie, Papeete* 51 : 13-15.
- SEURAT, L.G. 1906: Les îles coralliennes de la Polynesie. *Bull. Mus. oceanogr. Monaco* 65 : 16 p., 2 figs.
- SHAW, H.R. 1973: Linear island chains in the Pacific : Results of thermal plumes or gravitational anchors? (Abstr.) *EOS Trans. Am. geophys. Un.* 54(10) : 969.
- SHEARME, S.; CRONAN, D. 1980: Geochemistry of sediments from the Hawaii-Tahiti transect. (Abstr.) *Proc. 26th Int. Geol. Congr., Paris* 3 : 1007.
- SHRIVASTAVA, P.C.; FRIEDRICH, G.; GLASBY, G.P.; ECHLE, W.; THIJSSSEN, T. 1981: Grain size distribution, coarse fraction and mineralogy of sediments from five areas in the Equatorial and Southwest Pacific. *Indian J. mar. Sci.* 10 : 173-179.
- STARK, J.T. 1939: Discussion : "Pillow lavas". *J. Geol.* 47 : 205-207.
- STARK, J.T.; DAPPLES, E.C. 1941: Near-shore coral lagoon sediments from Raiatea, Society Islands. *J. sedim. Petrol.* 11 : 21-27.
- STEARNS, H.T. 1978: Comparison of the geology of the Society and the Hawaiian islands. *Occ. Pap. Bernice P. Bishop Mus.* 24(14) : 275-290.
- STEARNS, H.T. 1979: Comments on "Lithospheric flexure and uplifted atolls" by M.K. McNutt and H.W. Menard. *J. geophys. Res.* 84(B13) : 7697.
- STEINMANN, W. 1914: Notes on the geology of Moorea and Rurutu islands. *Trans. Proc. N.Z. Inst.* 46 : 281-283.
- STOFFERS, P.; GLASBY, G.P.; THIJSSSEN, T.; SHRIVASTAVA, P.C.; MELGUEN, M. 1981: The geochemistry of coexisting manganese nodules, micronodules, sediments and pore waters from five areas in the Equatorial and S.W. Pacific. *Chem. Erde* 40 : 273-97.

- STUART, W.F.; BARSCZUS, H.G. 1980: Pi's observed in the daylight hemisphere at low latitudes. *J. atmos. terr. Phys.* 42 : 487-497.
- SUGISAKI, R.; KINOSHITA, T. 1982: Major element chemistry of the sediments on the Central Pacific Transect, Wake to Tahiti, GH 80-1 cruise. *Cruise Rep. geol. Surv. Japan No. 18* : 293-312.
- SVERDRUP, K.; JORDAN, T. 1979: Bathymetry survey of seismic region A, South Central Pacific Ocean, *EOS Trans. Am. geophys. Un.* 60 : 957.
- SVERDRUP, K.; JORDAN, T.; TALANDIER, J.; OKAL, E.A. 1979: Seismicity and tectonic stress in the South Central Pacific. *EOS Trans. Am. geophys. Un.* 60 : 311.
- SWAINBANK, I.G. 1968: The isotopic composition of lead and strontium from the volcanic rocks of the islands of the South Pacific. Unpubl. Ph.D. thesis, Columbia University, New York.
- TAKAYANAGI, Y.; ODA, M. 1976: Shore laboratory report on Cenozoic planktonic Foraminifera : Leg 33. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 451-465.
- TAKAYANAGI, Y.; SAKAI, T.; ODA, M.; HASEOAWA, S. 1982: Micropaleontology of piston cores, Wake to Tahiti. *Cruise Rep. geol. Surv. Japan, No. 18* : 238-263.
- TALANDIER, J. 1966: Contribution a la prevision des tsunamis. *C. r. hebd. Seanc. Acad. Sci., Paris* 263 : 940-942.
- TALANDIER, J. 1972: Etude et prevision des tsunamis en Polynesie Francaise. These, Universite Paris VI, Paris. 128 p.
- TALANDIER, J. 1976: Sismicite et activities volcaniques en Polynesie. *Bull. Soc. Ocean.* No. 197, 16(10) : 653-658.
- TALANDIER, J. 1977: Seismicity in South Central Pacific (5° to 30° South, 125° to 160° West). Pp 179-192 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- TALANDIER, J. 1981: Seismic crises under Mehetia Island, French Polynesia. (Abstr.) *EOS Trans. Am. geophys. Un.* 62(45) : 949.
- TALANDIER, J.; BOUCHON, M. 1979: Propagation of high-frequency Pn waves at great distances in the South Pacific and its implications for the structure of the lower lithosphere. *J. geophys. Res.* 84 : 5613-5619.
- TALANDIER, J.; KUSTER, G.T. 1976: Seismicity and submarine activity in French Polynesia. *J. geophys. Res.* 81(5) : 936-948.
- TALANDIER, J.; KUSTER, G.T.; MASSINON, B. 1976: [Seismicity of French Polynesia.] *Bull. Soc. geol. Fr.* 18(5) : 1103-1110.
- TALANDIER, J.; OKAL, E.A. 1979: Giant T waves felt on Tahiti following the June 22, 1977 Tonga earthquake. *EOS Trans. Am. geophys. Un.* 60(18) : 322.
- TALANDIER, J.; OKAL, E.A. 1979: Human perception of T waves : the June 22, 1977 Tonga earthquake felt on Tahiti. *Bull. seism. Soc. Am.* 69(5) : 1475-1486.
- TALANDIER, J.; OKAL, E.A. 1982: 1982 seismic crisis at Teahitia seamount, French Polynesia. *EOS Trans. Am. geophys. Un.* 63(45) : 1092.
- TALANDIER, J.; OKAL, E.A. 1983: Seismic detection of volcanic activity in French Polynesia. *EOS Trans. Am. geophys. Un.* 64(18) : 265.
- TATSUMOTO, M.; UNRUN, D.M.; PETTINGILL, H.S.; BASU, A.R.; BARSCZUS, H.G. 1983: Pb, Nd and Sr isotopes in volcanic rocks from Tubuai Islands. *EOS Trans. Am. geophys. Un.* 64(18) : 348.
- TERAKADO, Y. 1980: Fine structures of rare earth element patterns of Tahitian rocks. *Geochem. J.* 14 : 155-166.
- TERCINIER, G. 1974: Les sols de l'île de Mangareva (Gambier) - Etude pedologique tension d'une île haute de la Polynesie Francaise. *Cah. Pacif.* 18(2) : 341-358.
- THERON, L. 1964: Etude des variations chimiques et de la differentiation d'une serie de roches de la Polynesie Australe. D.E.S. Fac. Sci., Universite Montpellier. 31 p, 19 pls.
- THIJS, A.; DE ROY, G.; VANSANT, E.F.; GLASBY, G.P.; THIJSEN, T. 1981: Mössbauer effect studies of iron in manganese nodules, and associated marine sediments in five areas in the Equatorial and Southwest Pacific. *Geochem. J.* 15 : 25-37.

- TRACEY, J.I. *et al.* 1971: "Initial Reports of the Deep Sea Drilling Project, Volume 8". Washington. (U.S. Government Printing Office) : 1037 p.
- TRACEY, J.I. *et al.* 1971: Leg 8 Summary. *In* Tracey, J.I. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 8". Washington. (U.S. Government Printing Office) : 17-42.
- TRACEY, J.I. *et al.* 1971: Site 74. *In* Tracey, J.I. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 8". Washington. (U.S. Government Printing Office) : 621-674.
- TRACEY, J.I. *et al.* 1971: Site 75. *In* Tracey, J.I. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 8". Washington. (U.S. Government Printing Office) : 675-709.
- TRACY, R.J. 1979: Zoned xenolithic spinels from Tahiti and their relation to spinel crystallization trends in basaltic magma. (Abstr.) *Abstr. Prog. geol. Soc. Am.* 11 : 529.
- TRACY, R.J. 1980: Petrology and genetic significance of an ultramafic xenolith suite from Tahiti. *Earth Planet. Sci. Lett.* 48 : 80-96.
- TRACY, R.J.; ROBINSON, P. 1977: Zoned titanian augite in alkali olivine basalt from Tahiti and the nature of titanium substitutions in augite. *Am. Miner.* 62 : 634-645.
- TRACY, R.J.; STOLPER, E.M. 1978: Experimental petrology of a xenolith-bearing basanite from Tahiti : Implications for a Tahitian parent magma. (Abstr.) *Abstr. Prog. geol. Soc. Am.* 10 : 506.
- TRACY, R.J.; HUMMEL, H. 1980: Zoned hauyne phenocrysts in Tahitian phonolitic lavas. *Abstr. Prog. geol. Soc. Am.* 12(7) : 537.
- TRICHET, J.G. 1980: Stratigraphy and subsidence of atolls in French Polynesia. *Abstr. Prog. geol. Soc. Am.* 12(7) : 537.
- TSURUSAKI, K.; SAITO, T. 1982: Geotechnical properties of deep-sea sediment, Wake to Tahiti. *Cruise Rep. geol. Surv. Japan, No. 18* : 124-137.
- TURNER, D.L.; JARRARD, R.D. 1982: K-Ar dating of the Cook-Austral island chain : A test of hot-spot hypothesis. *J. volcan. Geotherm. Res.* 12 : 187-220.
- UCHIO, T. 1982: Manganese micronodules of the surface sediments from the Central Pacific, Wake-Tahiti Transect. *Cruise Rep. geol. Surv. Japan, No. 18* : 370-381.
- USUI, A. 1982: Variability of manganese nodule deposits : The Wake to Tahiti Transect. *Cruise Rep. geol. Surv. Japan No. 18* : 138-223.
- USUI, A. 1982: X-ray diffraction study of manganese nodules and associated rocks from the Wake to Tahiti Transect. *Cruise Rep. geol. Surv. Japan No. 18* : 355-369.
- USUI, A.; MOCHIZUKI, T. 1982: Regional variation of manganese nodule chemistry from Wake to Tahiti, GH 80-1 cruise. *Cruise Rep. geol. Surv. Japan No. 18* : 338-354.
- VERIN, P. 1962: Introduction géographique et ethnographique sur l'île de Maïao. *Bull. Soc. Etud. océanien. No. 138, 12(1)* : 3-45.
- WHITE, W.M.; HOFMANN, A.W. 1982: Sr and Nd isotope geochemistry of oceanic basalts and mantle evolution. *Nature, Lond.* 296 : 821-825.
- WILLIAMS, H. 1930: Notes on the later geologic history of Tahiti. *Univ. Calif. Publs Geol. Sci.* 19(5) : 119-135.
- WINTERER, E.L.; LONSDALE, P.F.; MATTHEWS, J.L.; ROSENDAHL, B.R. 1974: Bathymetry, structure and acoustic stratigraphy of the Manihiki Plateau. *Deep-Sea Res.* 21 : 793-814.
- YAMAKOSHI, K. 1982: Size dependence of siderophile element concentrations in black magnetic spherules of larger size in marine sediments from GH 80-1 cruise. *Cruise Rep. geol. Surv. Japan No. 18* : 382-384.

**BIBLIOGRAPHY OF  
GEOLOGY AND GEOPHYSICS  
OF KIRIBATI**

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The bibliography of Kiribati includes published articles and reports up to February 1983 relevant to the geology and geophysics of Kiribati (Gilbert Islands, Phoenix Islands, and Line Islands) and its Exclusive Economic Zone. It also includes some articles from outside the EEZ where they are considered of interest to the geological understanding of the Kiribati area.

The compilation consisted in merging a computer search provided by N.Z. Oceanographic Institute with manual searches carried out at N.Z.O.I., CCOP/SOPAC in Suva, and at the Hawaii Institute of Geophysics in Honolulu.

Some references were taken from the reference lists of previously published papers rather than from the journal itself; they have not been seen by us and consequently their authenticity have not been verified.

## KIRIBATI

- ANON. 1973: Gilbert and Ellice Island Colony report for the year 1971. *Colon. Rep. Gilbert Ellice Isl. Colon. (Lond.) 1973* : 114.
- ANON. 1975: Ocean Island no Banabans today. *Phosph. Potassium* 77 : 11.
- ANON. 1976: Ocean Island paradise not to be regained (ruling on phosphates). *Min. J., Lond.* 287(7373) : 458.
- BAKUS, G.J. 1968: Sedimentation and benthic invertebrates of Fanning Island, Central Pacific. *Mar. Geol.* 6 :45-57.
- BATIZA, R.; LARSON, R.L. SCHLANGER, S.O.; SHCHECKA, S.A.; TOKUYAMA, H. 1980: Trace element abundances in basalts of Nauru Basin. *Nature, Lond.* 286(5772) : 476-77.
- BECKMAN, J.P. 1976: Shallow-water Foraminifera and associated microfossils from sites 315, 316, and 318, DSDP Leg 33. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 467-89.
- BLOCH, S. 1978: Mineralogy and geochemistry of metalliferous sediments from the Line Islands Oceanic Formation, Equatorial East Pacific. Unpubl. Ph.D. thesis, George Washington University, Washington, D.C. 332 p.
- BOYCE, R.E. 1974: Sound velocity-density parameters of sediment and rock from DSDP drill sites 315-318 on the Line Islands chain, Manihiki Plateau and Tuamotu Ridge in the Pacific Ocean. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 695-728.
- BRONNIMANN, P.; MARTINI, E.; RESIG, J.; RIEDEL, W.R.; SANFILIPPO, A.; WORSLEY, T. 1971: Biostratigraphic synthesis : Late Oligocene and Neogene of the Western Tropical Pacific. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1723-45.
- BRONNIMANN, P.; RESIG, J. 1971: A Neogene globigerinacean biochronologic time-scale of the Southwestern Pacific. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1235-469.
- BROWN, D.W.; GULBRANDSEN, R.A. 1973: Chemical composition of a saline lake on Enderbury Island, Phoenix Island Group, Pacific Ocean. *J. Res. U.S. geol. Surv.* 1(1) : 105-11.
- CHASE, T.E.; MENARD, H.W.; MAMMERICKX, J. 1970: Bathymetry of the North Pacific (with diagrammatic abyssal topography). Charts 7 and 8. Scripps Institution of Oceanography, La Jolla.
- CLARIDGE, G.G.C. 1980: Economic potential of clay deposits in the selected South Pacific countries. *CCOP/SOPAC Tech. Rep. No. 9 and Proc. 9th Sess. CCOP/SOPAC* : 78-86.
- CLEGERN, R.W.; TERMAATH, S.G. 1974: Environmental survey of the Phoenix Islands, central Pacific Ocean. *Tech. Rep. Environ. Health Lab., Kelly, Texas, EHL(K)-74-18* : 348 p.
- CLOUD, P.E. 1952: Preliminary report on geology and marine environment of Onotoa Atoll, Gilbert Islands. *Atoll Res. Bull.* 12 : 73 p.
- CLOUD P.E. 1976: The geology and marine environments of Onotoa Atoll, Gilbert Islands. *Govt. Rep. Announcements, Springfield, Va.* 22161.
- COCKERHAM, R.S.; JARRARD, R.D. 1976: Paleomagnetism of some Leg 33 sediments and basalts. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 631-47.
- COOK, H.E. 1976: Sedimentary stratigraphic framework along the Line Islands, Equatorial Pacific. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 849-54.
- COOK, H.E.; JENKYN, H.C.; KELTS, K.R. 1976: Redeposited sediments along the Line Islands, Equatorial Pacific. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 837-48.

- COOK, H.E.; REX, R.W.; EKLUND, W.A.; MURRAY, B. 1971: X-ray mineralogy studies, Leg 7. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 913-63.
- COOK, H.E.; ZEMMELS, I. 1976: X-ray mineralogy data from the Central Pacific, Leg 33, DSDP. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 539-55.
- COOK, P.J. 1975: Prospects for finding offshore phosphate deposits in the Southwest Pacific. *Proc. 3rd Sess. CCOP/SOPAC* : 75-83.
- CRAIG, J.D. 1979: Geological investigations of the Equatorial North Pacific seafloor : a discussion of sediment distribution. Pp 529-57 in Bischoff, J.L.; Piper, D.Z. (eds) "Marine Geology and Oceanography of the Pacific Manganese Nodule Province". Plenum Publishing Corporation.
- CRAIG, J.D.; ANDREWS, J.E. 1978: A factor analysis study of deep sea ferromanganese deposits in the equatorial North Pacific Ocean. *Mar. Mining* 1(4) : 305-26.
- CROUGH, S.T.; JARRARD, R.D. 1981: The Marquesas-Line swell. *J. geophys. Res.* 86B, 12(11) : 7631-71.
- DANA, T.E. 1979: Species-numbers relationships in an assemblage of reef-building corals, McKean Island, Phoenix Islands. *Atoll Res. Bull.* 228 : 43 p.
- DAVIS, G.T. 1981: Petrology, geochemistry and ages of volcanic rocks from the Line Islands, Central Pacific Ocean. Unpubl. M.Sc. thesis, University of Hawaii, Honolulu.
- DAVIS, G.T.; NAUGHTON, J.J.; PHILPOTTS, J.A. 1980: Petrology, geochemistry and ages of Line Islands basaltic rocks, Central Pacific Ocean. (Abstr.) *EOS Trans. Am. geophys. Un.* 61(46) : 1144.
- DIXON, W.A. 1877: The guano and other phosphatic deposits occurring on Walden Island. *J. Proc. R. Soc. N.S.W.* 11 : 176-81.
- DORAN, E. 1961: Gilbert Islands landscape. *Atoll Res. Bull.* 85 : 5-8.
- DOUGLAS, R.G.; ROTH, P.H.; MOORE, T.C. 1973: Biostratigraphic synthesis : hiatuses and unconformities. In Winterer, E.L.; Ewing, J.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 17". Washington. (U.S. Government Printing Office) : 905-10.
- DREVER, J.I. 1971: Chemical and mineralogical studies, site 66. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 965-76.
- DYMOND, J.; WINDOM, H.L. 1968: Cretaceous K-Ar ages from Pacific seamounts. *Earth Planet. Sci. Lett.* 4 : 47-52.
- EADE, J.V. 1980: Review of precious corals in CCOP/SOPAC member-countries. *CCOP/SOPAC Tech. Bull.* 8.
- ELLIS, A.F. 1920: Nauru and Ocean Islands : a story of the phosphate discoveries and workings. *N.Z. Jl Agric.* 21 : 297-317.
- ELLIS, A.F. 1928: Nauru and Ocean Islands phosphate. *N.Z. Jl Agric.* 36(1) : 28-30.
- EPP, D. 1978: Age and tectonic relationships among volcanic chains on the Pacific plate. Unpubl. Ph.D. thesis, University of Honolulu, Hawaii.
- EXON, N.F. 1981: Kiribati manganese nodules survey, cruise KI-81(1), 4-15 April 1981. *CCOP/SOPAC Cruise Rep.* 56.
- EXON, N.F. 1981: Kiribati offshore survey cruise, KI-81(2), 19 April-4 May 1981. *CCOP/SOPAC Cruise Rep.* 57.
- EXON, N.F. 1982: Economic prospects for manganese nodules in the Southwest Pacific. (Abstr.) In 11th BMR Symposium, May 1982, Canberra.
- EXON, N.F. 1982: Manganese nodules in the Kiribati region, Equatorial Western Pacific. *S. Pacif. mar. geol. Notes* 2(6) : 77-102.
- EXON, N.F. 1983: The zonation with latitude of manganese nodule deposits in the tropical Southwest Pacific. (Abstr.) *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 69.
- EXON, N.F. 1983: Manganese nodule deposits in the central Pacific Ocean and their variation with latitude. *Mar. Mining* 4 : 79-107.
- FERRAR, E.; DIXON, J.M. 1981: Early Tertiary rupture of the Pacific plate 1700 km of dextral offset along the Emperor Trough-Line Island lineament. *Earth Planet. Sci. Lett.* 53(3) : 307-22.



- FOREMAN, H.P. 1971: Cretaceous Radiolaria, Leg 7, DSDP. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1673-93.
- GAUSS, G.A. 1980: Cruise report : Kiribati offshore survey, KI-80(1), 9-25 February 1980. *CCOP/SOPAC Proj. Rep. 37 and Proc. 9th Sess. CCOP/SOPAC* : 69-70.
- GAUSS, G.A. 1982: Nearshore surveys, Tarawa, Kiribati, 5 November-23 December 1981. *CCOP/SOPAC Cruise Rep. 63*.
- GEALY, E.L. 1971: Carbon-carbonate content of sediments from the Western Equatorial Pacific, Leg 7, *Glomar Challenger*. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 845-62.
- GEALY, E.L. 1971: Grain size of sediments from the Western Equatorial Pacific : Leg 7, *Glomar Challenger*. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1027-36.
- GEALY, E.L. 1971: Natural gamma radiation of sediments from the Western Equatorial Pacific : Leg 7, *Glomar Challenger*. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". (U.S. Government Printing Office) : 1037-80.
- GEALY, E.L. 1971: Sound velocity, elastic constants and related properties of marine sediments in the Western Equatorial Pacific : Leg 7, *Glomar Challenger*. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1106-60A.
- GEALY, E.L.; DUBOIS, R. 1971: Shipboard geochemical analysis, Leg 7, *Glomar Challenger*. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 863-69.
- GIESKES, J.M. 1976: Interstitial water studies, Leg 33. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 563-70.
- GORDON, R.G. 1982: Paleomagnetic test of the Emperor Fracture Zone hypothesis. *Geophys. Res. Lett.* 9(11) : 1283-86.
- GUINThER, E.B. 1978: Observations on terrestrial surface and subsurface water as related to island morphology at Canton Atoll. *Atoll Res. Bull.* 221 : 171-83.
- GULBRANDSEN, R.A. 1975: Whitlockite and apatite of surficial phosphate occurrences on Enderbury Island, Phoenix Islands, Pacific Ocean. *J. Res. U.S. geol. Surv.* 3(4) : 409-14.
- GULBRANDSEN, R.A. 1979: Phosphate occurrences on Enderbury Island. Pp 15-16 in Burnett, W.C.; Shelden, B.P. (eds) "Marine Phosphatic Sediments Workshop". East-West Center, Honolulu.
- HAGGERTY, J.A. 1982: The geologic history of the Southern Line Islands. Unpubl. Ph.D. thesis, University of Hawaii, Honolulu. 202 p.
- HAGGERTY, J.A.; SCHLANGER, S.O.; PREMOLI-SILVA, I. 1981: Cretaceous volcanism in the Southern Line Islands. (Abstr.) *EOS Trans. Am. geophys. Un.* 62(17) : 381.
- HAGGERTY, J.A.; SCHLANGER, S.O.; PREMOLI-SILVA, I. 1982: Late Cretaceous and Eocene volcanism in the Southern Line Islands and implications for hotspot theory. *Geology* 10(8) : 433-37.
- HALUNEN, A.J.; VON HERZEN, R.P. 1973: Heat flow in the Western Equatorial Pacific Ocean. (Abstr.) *EOS Trans. Am. geophys. Un. geophys. Un.* 54(3) : 167; 54(7) : 740.
- HALUNEN, A.J. 1974: Heat flow in the western Equatorial Pacific Ocean. *Contr. Hawaii Inst. Geophys.* 538 : 387-400.
- HALUNEN, A.J. 1980: Cruise report : Southern Line Islands survey, KI-80(2), 29 February-17 March 1980. *CCOP/SOPAC Proj. Rep. 36 and Proc. 9th Sess. CCOP/SOPAC* : 70.
- HALUNEN, A.J.; KROENKE, L.W.; ROSENDAHL, B.R. 1970: Geophysical investigation of a deep trough in the Central Pacific. (Abstr.) *EOS Tran. Am. geophys. Un.* 51 : 762.
- HAMMOND, S.R. 1974: Paleomagnetism of western Equatorial Pacific sediment cores. Dissert., University of Hawaii, Honolulu. 200 p.

- HAMMOND, S.R.; THEYER, F.; SUTTON, G.H. 1974: Paleomagnetic evidence of northward movement of the Pacific plate in deep-sea cores from the Central Pacific Basin. *Earth Planet. Sci. Lett.* 22 : 22-28.
- HAMMOND, T.T. 1969: The characterisation and classification of the soils of Christmas Island. Unpubl. M.Sc. thesis, University of Hawaii, Honolulu. 109 p.
- HARRINGTON, H.J. 1976: Tectonics of the Pacific basin and the Circum-Pacific Rise; an annotated bibliography for the interval 1967-1975. The University of New England, Armidale. 196 p.
- HAYS, J.D.; PITMAN, W.C. 1973: Lithospheric plate motion, sea level changes and climatic and ecological consequences. *Nature, Lond.* 264 : 18-22.
- HAYS, J.D.; SAITO, T.; OPDYKE, N.D.; BURCKLE, L. 1969: Pliocene-Pleistocene sediments of the Equatorial Pacific : Their paleomagnetic, biostratigraphic and climatic record. *Bull. geol. Soc. Am.* 80 : 1481-1514.
- HEATH, G.R.; MOBERLY, R. 1971: Non calcareous pelagic sediments from the Western Pacific : Leg 7, DSDP. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 987-90.
- HEATH, G.R.; MOBERLY, R. 1971: Cherts from the Western Pacific, Leg 7, DSDP. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 991-1007.
- HEATH, G.R.; MOBERLY, R. 1971: Deep-sea turbidites from the Western Pacific, Leg 7, DSDP. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1009-10.
- HEEZEN, B.C.; MATTHEWS, J.L.; CATALANO, R.; NATLAND, J.; COOGAN, A.; THARP, M.; RAWSON, M. 1973: Western Pacific guyots. In Heezen, B.C.; McGregor, I.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 20". Washington. (U.S. Government Printing Office) : 653-723.
- HELMS, P.B.; RIEDEL, W.R. 1971: Skeletal debris of fishes. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1709-20.
- HENDERSON, R.S.; JOKIEL, P.L.; SMITH, S.V.; GROUHOUG, J.G. 1978: Canton Atoll, lagoon physiography and general oceanographic observations. *Atoll Res. Bull.* 221 : 5-14.
- HOWORTH, R. 1982: Coastal erosion in Kiribati : visit to South Tarawa, 22 January-10 February 1982. *CCOP/SOPAC Tech. Rep.* 22.
- HOWORTH, R. 1982: Coastal erosion in Kiribati : visit to Kiritimati (Christmas) Island, 17-23 June 1982. *CCOP/SOPAC Tech. Rep.* 24.
- HOWORTH, R. 1982: Coastal erosion in Kiribati, second visit to South Tarawa, 10-18 June 1982. *CCOP/SOPAC Tech. Rep.* 25.
- HURD, D.C. 1973: Interactions of biogenic opal, sediment and seawater in the Central Equatorial Pacific. *Geochim. cosmochim. Acta* 37 : 2257-82.
- IWABUCHI, Y. (scient. co-ord.) 1979: General Bathymetric Chart of the Oceans (GEBCO). 5th Edition, Sheet 5.06. Scale 1:10,000,000 at 0°. Mercator Projection. IHO/IOC.
- JACKSON, E.D. 1979: Linear volcanic chains on the Pacific plate. *Geophys. Monogr.* 19 : 319-35.
- JACKSON, E.D.; BARGAR, K.E.; FABBI, B.P.; HEROPOULOS, C. 1976: Petrology of the basaltic rocks drilled on Leg 33 of the Deep Sea Drilling Project. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 571-630.
- JACKSON, E.D.; SCHLANGER, S.O. 1976: Regional syntheses, Line Island chain, Tuamotu Island chain, and Manihiki Plateau, central Pacific Ocean. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 915-28.
- JACKSON, E.D.; SHAW, H.R. 1975: Stress fields in central portions of the Pacific Plate; delineated in time by linear volcanic chains. *J. geophys. Res.* 80(14) : 1861-74.
- JARRARD, R.D. 1973: Paleomagnetism of Leg 17 sediment cores. In Winterer, E.L.; Ewing, J.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 17". Washington. (U.S. Government Printing Office) : 377-406.

- JARRARD, R.D.; CLAGUE, D.A. 1977: Implications on Pacific island and seamount ages for the origin of volcanic chains. *Rev. Geophys. Space Phys.* 15 : 57-76.
- JENKYN, H.C.; HARDY, R.C. 1976: Basal iron-titanium-rich sediments from hole 315A (Line Islands, Central Pacific). In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 833-36.
- JOHNSON, D.A. 1976: Cenozoic radiolarians from the Central Pacific, DSDP Leg 33. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 425-37.
- JOHNSON, D.A.; JOHNSON, J.C. 1970: Sediment redistribution by bottom currents in the Central Pacific. *Deep-Sea Res.* 17 : 157-69.
- KANEPS, A.G. 1976: Cenozoic planktonic foraminifers, Equatorial Pacific Ocean, Leg 33, DSDP. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 361-67.
- KAY, E.A. 1974: Fanning Island : Editor's Note. *Pacif. Sci.* 28(3) : 207-10.
- KEATING, B.; SAGER, W. 1980: Watkins Seamount : preliminary paleomagnetic results. *J. geophys. Res.* 85 : 356-71.
- KELTS, K. 1976: Summary of chert occurrences from Line Islands sites 314, 315, 316, DSDP Leg 33. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 855-66.
- KELTS, K.R. 1976: Marcasite in Miocene calcareous sediments from hole 315A. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 867-70.
- KELTS, K.; MCKENZIE, J.A. 1976: Cretaceous volcanogenic sediments from the Line Islands chain : diagenesis and formation of a K-feldspar, DSDP Leg 33, hole 315A and 316. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 789-832.
- KOBAYASHI, K.; KITAZAWA, K.; KANAYA, T.; SAKAI, T. 1971: Magnetic and micropaleontological study of deep-sea sediments from the west-central Equatorial Pacific. *Deep-Sea Res.* 18 : 1045-62.
- KRAUSS, N.L.H. 1969: Bibliography of Ocean Island (Banaba), Western Pacific. Krauss, 2437 Parker Place, Honolulu. 7 p.
- KRAUSS, N.L.H. 1970: Bibliography of the Line Islands, central Pacific. Krauss, 2437 Parker Place, Honolulu. 7 p.
- KRAUSS, N.L.H. 1970: Bibliography of Phoenix Islands, central Pacific. Krauss, 2437 Parker Place, Honolulu. 13 p.
- KROENKE, L.W.; JOUANNIC, C.; WOODWARD, P. (comps) 1983: Bathymetry of the Southwest Pacific. Chart 1 of the Geophysical Atlas of the Southwest Pacific. Scale 1:6,442,192 at 0°. 2 Sheets. Mercator Projection. CCOP/SOPAC.
- KROENKE, L.W.; MOBERLY, R.; WINTERER, E.L.; HEATH, G.R. 1971: Lithologic interpretation of continuous reflection profiling, DSDP, Leg 7. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1161-1226.
- LABRECQUE, J.L.; KENT, D.V.; CANDE, S.C. 1977: Revised magnetic polarity time scale for Late Cretaceous and Cenozoic time. *Geology* 5 : 330-35.
- LANDS AND SURVEY, New Zealand, 1978: Gilbert Islands. Pp 15-16, pl. 8 in "Atlas of the South Pacific". Government Printer, Wellington.
- LANPHERE, M.A.; DALRYMPLE, G.B. 1976: K-Ar ages of basalts from DSDP Leg 33 : sites 315 (Line Islands) and 317 (Manihiki Plateau). In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 649-54.
- LARSON, R.L. 1976: The early Cretaceous-late Jurassic magnetic reversal time scale, and the Phoenix magnetic lineations revisited. In "The Geophysics of the Pacific Ocean Basin and its Margins". *Geophys. Monogr.* 19 : 480 p.
- LARSON, R.L.; CHASE, C.G. 1972: Late Mesozoic evolution of the Western Pacific Ocean. *Bull. geol. Soc. Am.* 83 : 3627-44.

- LARSON, R.L.; HILDE, T.W. 1975: A revised time scale of magnetic reversals for the Early Cretaceous and Late Jurassic. *J. geophys. Res.* 80 : 2586-94.
- LARSON, R.L.; SCHLANGER, S.O. *et al.* 1978: Leg 61 drills in the Nauru Basin. *Geotimes* 23(12) : 21-24.
- LARSON, R.L.; SCHLANGER, S.O. *et al.* 1981: "Initial Reports of the Deep Sea Drilling Project, Volume 61". Washington. (U.S. Government Printing Office) : 885 p.
- LARSON, R.L.; SCHLANGER, S.O. 1981: Site 462 : Nauru Basin, western Pacific Ocean, Deep Sea Drilling Project, Leg 61". *In* Larson, R.L.; Schlanger, S.O. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 61". Washington. (U.S. Government Printing Office) : 19-354.
- LARSON, R.L.; SCHLANGER, S.O. 1981: Geological evolution of the Nauru Basin, and regional implications. *In* Larson, R.L.; Schlanger, S.O. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 61". Washington. (U.S. Government Printing Office) : 841-62.
- LARSON, R.L.; SCHLANGER, S.O. 1981: Cretaceous volcanism and Jurassic magnetic anomalies in the Nauru Basin, western Pacific Ocean. *Geology* 9(10) : 480-84.
- LAWRENCE, R.J. 1979: Land use of a reef-island Tamana (Gilbert Islands). *Photointerpretation* 79(3) : 9-16.
- LEWIS, K.B. 1981: Cruise report : Kiribati Line Islands nodule survey, KI-80(3), 1-20 May 1980. *CCOP/SOPAC Proj. Rep. 43 and Proc. 9th Sess. CCOP/SOPAC* : 70.
- LINEBERGER, P.H. 1975: Sedimentary processes and pelagic turbidites in the eastern Central Pacific Basin. *Rep. Hawaii Inst. Geophys. HIG-75-24* : 115 p.
- LLOYD, J.W.; MILES, J.C.; CHESSMAN, G.R.; BUGG, S.F. 1980: A ground water resources study of a Pacific Ocean atoll - Tarawa, Gilbert Islands. *Water Resour. Bull.* 16(4) : 646-53.
- LONSDALE, P.; SMITH, S.M. 1980: "Lower insular rise hills" shaped by a bottom boundary current in the mid-Pacific. *Mar. Geol.* 34(1-2) : M19-M25.
- MCDUGALL, J.C.; EADE, J.V. 1981: Manganese nodules in western Kiribati (Gilbert Islands). *S. Pacif. mar. geol. Notes* 2(5) : 67-75.
- MCDUGALL, J.C.; FUATA, P.K. 1979: Kiribati offshore survey, Cruise GI-79(1), 30 March-25 April 1979. *CCOP/SOPAC Proj. Rep.* 26.
- MCMAHON, T.J. 1918: The phosphate and lime industries of Ocean Islands and Nauru. *Scient. Aust., December* 1918.
- MCNULTY, C.L. 1976: Cretaceous foraminiferal stratigraphy, DSDP Leg 33, holes 315A, 316, 317A. *In* Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 369-81.
- MADDEN, R.A. 1970: Wave disturbances over the equatorial Pacific during the Line Island experiment, *NCAR Tech. Note*.
- MALAHOFF, A. 1972: Magnetic lineations over the Line Islands ridge. *Bull. geol. Soc. Am.* 82(7) : 1977-82.
- MAMMERICKX, J.; CHASE, T.E.; SMITH, S.M.; TAYLOR, I.L. 1974: Bathymetry of the South Pacific. Chart 12 (revised). Scripps Institution of Oceanography, La Jolla.
- MAMMERICKX, J.; SMITH, S.M. (scient. co-ord.) 1980: General Bathymetric Chart of the Oceans (GEBCO). 5th Edition, Sheet 5.11. Scale 1:10,000,000. Mercator Projection. IHO/IOC.
- MAMMERICKX, J.; SMITH, S.M. (scient. co-ord.) 1982: General Bathymetric Chart of the Oceans (GEBCO). 5th Edition, Sheet 5.07. Scale 1:10,000,000. Mercator Projection. IHO/IOC.
- MAMMERICKX, J.; SMITH, S.M.; TAYLOR, I.L.; CHASE, T.E. 1973: Bathymetry of the South Pacific. Chart 13. Scripps Institution of Oceanography, La Jolla.
- MARAGOS, J.E. 1974: Reef corals of Fanning Island. *Pacif. Sci.* 28(3) : 437-45.
- MARAGOS, J.E. 1974: Coral communities on a seaward reef slope, Fanning Island. *Pacif. Sci.* 28(3) : 447-63.

- MARTINI, E. 1971: Neogene silicoflagellates from the Equatorial Pacific. *In* Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1695-1708.
- MARTINI, E. 1976: Neogene and Quaternary silicoflagellates from the Central Pacific Ocean (DSDP Leg 33). *In* Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 439-49.
- MARTINI, E.; WORSLEY, T. 1971: Tertiary calcareous nannoplankton from the Western Equatorial Pacific. *In* Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1471-1509.
- MATSUDA, J. 1980: Low Sr isotopic ratios of alkali basalts from the Line Islands in the Pacific Ocean. *Geochem. J.* 14(1) : 41-46.
- MIZUNO, A.; MORITANI, T. 1976: Some results of surveys for manganese nodule deposits in the Pacific Ocean by the Geological Survey of Japan. *In* Glasby, G.P.; Katz, H.R. (eds) "Marine Geological Investigations in the Southwest Pacific and Adjacent Areas". Papers presented at the I.D.O.E. Workshop, Suva, Fiji, September 1975. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 2 : 62-79.
- MOBERLY, A.; HEATH, G.R. 1971: Volcanic rocks from the Western and Central Pacific : Leg 7, DSDP. *In* Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1011-25.
- MONAHAN, D.; FALCONER, R.H.K.; THARP, M. (scient. co-ords) 1982: General Bathymetric Chart of the Oceans (GEBCO). 5th Edition. Sheet 5.10. Scale 1:10,000,000 at 0°. Mercator Projection. IHO/IOC.
- NATLAND, J.H. 1975: Petrologic studies of linear island chains. Part 1. The Samoan Islands; Part 2. The Line Islands. Unpubl. Ph.D. thesis, University of California, San Diego. 405 p.
- NATLAND, J.H. 1976: Petrology of volcanic rocks dredged from the seamounts in the Line Islands. *In* Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 749-78.
- NATLAND, J.H. 1976: Possible volcanologic explanations for the origin of flat-topped seamounts and ridges in the Line Islands and mid-Pacific mountains. *In* Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 779-88.
- NATLAND, J.H.; LONSDALE, P.F.; WINTERER, E.L. 1972: Possible caldera collapse on seamounts in the Line Islands. (Abstr.) *Abstr. Progm. geol. Soc. Am.* 4(3) : 208-8.
- NEPROCHNOV, Y.P.; MOSKALENKO, V.N.; SHISHKINA, N.A. 1977: The structure of the sedimentary mantle and basement in the Gilbert Islands region. *Oceanology* 17(3) : 308-18.
- NORMARK, W.R.; SPEISS, R.N. 1973: A bore hole in the bottom of the sea; erosion in the Line Islands Archipelagic Apron. (Abstr.) *Abstr. Progm. geol. Soc. Am.* 5(7) : 754.
- NORMARK, W.R.; SPEISS, R.N. 1976: Erosion on the Line Islands Archipelagic Apron : Effect of small-scale topographic relief. *Bull. geol. Soc. Am.* 87(2) : 286-96.
- NORTHROP, J. 1962: Geophysical observations on Christmas Island. *Atoll Res. Bull.* 89 : 1-2.
- NUGENT, L.E. 1946: Coral reefs in the Gilbert, Marshall and Caroline Islands. *Bull. geol. Soc. Am.* 57 : 735-80.
- OPDYKE, N.D.; BURCKLE, L.H.; TODD, A. 1974: The extension of the magnetic time scale in sediments of the central Pacific Ocean. *Earth Planet. Sci. Lett.* 22 : 300-6.
- ORWIG, T.L. 1981: Channeled turbidites in the eastern Central Pacific Basin. *Mar. Geol.* 39 : 33-57.
- ORWIG, T.L.; KROENKE, L.W. 1980: Tectonics of the eastern Central Pacific Basin. *Mar. Geol.* 34 : 29-43.
- OWEN, L. 1923: Notes on the phosphate deposit of the Ocean Island, with remarks on the phosphates of the equatorial belt of the Pacific Ocean. *Q. Jl geol. Soc. Lond.* 79(1) : 1-15.

- OWEN, L. 1927: The phosphate deposits on Ocean Island. *Econ. Geol.* 22 : 632-34.
- POPE, H.B. 1921: Nauru and Ocean Island. (Their phosphate deposits and workings.) *J. Dep. Agri., Vict.* 19(1).  
also in: *Agric. Gaz. N.S.W.* 33 : 391-402.
- POWER, F.D. 1904: Phosphate deposits of Ocean and Pleasant Islands. *Proc. Australas. Inst. Min. Engr., May 1904.*
- RAFF, A.D. 1973: Underway data. In Winterer, E.L.; Ewing, J.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 17". Washington. (U.S. Government Printing Office) : 365-76.
- REA, D.K.; THIEDE, J. 1981: Mesozoic and Cenozoic mass-accumulation rates of the major sediment components in the Nauru Basin, western Equatorial Pacific. In Larson, R.L.; Schlanger, S.O. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 61". Washington. (U.S. Government Printing Office) : 549-55.
- RIEDEL, W.R.; SANFILIPPO, A. 1971: Cenozoic Radiolaria from the western tropical Pacific, Leg 7. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1529-1673.
- RITCHIE, G.S. 1958: Sounding profiles between Fiji, Christmas, and Tahiti Islands. *Deep-Sea Res.* 5 : 162-68.
- ROSENDAHL, B.R. 1972: Geological and geophysical studies of the Canton Trough and surrounding region. Unpubl. M.Sc. thesis, University of Hawaii, Honolulu. 110 p.
- ROSENDAHL, B.R.; HALUNEN, A.J. 1971: Petrology and structure of the Canton Trough. (Abstr.) *Abstr. Progr. geol. Soc. Am.* 3 : 689.
- ROSENDAHL, B.R.; MOBERLY, R.; HALUNEN, A.J.; ROSE, J.C.; KROENKE, L.W. 1975: Geological and geophysical studies of the Canton Trough region. *J. geophys. Res.* 80(17) : 2565-74.
- ROUFOSSE, M.C. 1978: Study of the filter between geoid height and bathymetry in the Marshall-Gilbert Islands region. (Abstr.) *EOS Trans. Am. geophys. Un.* 59(12) : 1199-1200.
- ROUFOSSE, M.C. 1979: Comparison between two chains of seamounts in the Pacific-Line and Hawaii. (Abstr.) *EOS Trans. Am. geophys. Un.* 60(18) : 393.
- ROY, K.J.; SMITH, S.V. 1971: Sedimentation and coral reef development in turbid water, Fanning Lagoon. *Pacif. Sci.* 25 : 234-48.
- ROYAL SOCIETY OF LONDON, 1904: The atoll of Funafuti - Borings into a coral reef and the results. Report of the Coral Reef Committee of the Royal Society, London. 428 p.
- SAGER, W.W. 1981: Paleomagnetism of Line Islands and Musician Seamounts. (Abstr.) *EOS Trans. Am. geophys. Un.* 62(17) : 381.
- SAGER, W.W. 1982: An Eocene paleomagnetic pole for the Pacific plate. (Abstr.) *EOS Trans. Am. geophys. Un.* 63 : 445.
- SAGER, W.W. 1983: Seamount paleomagnetism and the evolution of the Pacific plate. Unpubl. Ph.D. thesis, University of Hawaii, Honolulu.
- SAGER, W.W.; DAVIS, G.T.; KEATING, B.H.; PHILPOTTS, J. 1983: A geophysical and geologic study of Nagata Seamount, Northern Line Islands. *J. Geomagnet. Geoelectricity* 34(5) : 283-405.
- SAGER, W.W.; KEATING, B.H. 1980: Paleomagnetism of Line Islands seamounts. (Abstr.) *EOS Trans. Am. geophys. Un.* 61(17) : 218.
- SAITO, K.; OZIMA, M. 1976: 40 Ar/39 Ar ages of submarine rocks from the Line Islands; implications on the origin of the Line Islands. In "The Geophysics of the Pacific Ocean Basin and its Margin". *Geophys. Monogr.* 19 : 369-78.
- SAITO, K.; OZIMA, M. 1977: 40 Ar/39 Ar geochronological studies on submarine rocks from the western Pacific area. *Earth Planet. Sci. Lett.* 33 : 353-69.
- SCHLANGER, S.O.; CAMPBELL, J.F.; HAGGERTY, J.A.; PREMOLI-SILVA, I. 1981: Cretaceous volcanism and Eocene failed atolls in the Radak Chain : Implications for the geological history of the Marshall Islands. (Abstr.) *EOS Trans. Am. geophys. Un.* 62(45) : 1075.

- SCHLANGER, S.O.; GARCIA, M.O.; HAGGERTY, J.; KEATING, B.H.; NAUGHTON, J.J.; PHILPOTTS, J.A.; SAGER, W.W.; DUNCAN, R. 1982: Geologic evolution of the Line Islands. (Abstr.) In Conference on "The Origin and Evolution of Seamounts", Lamont-Doherty Geological Observatory, Palisades, New York, November 1982.
- SCHLANGER, S.O.; JACKSON, E.D. *et al.* 1974: Testing a hot-spot theory. *Geotimes* 19 : 16-20.
- SCHLANGER, S.O.; JACKSON, E.D. *et al.* 1974: Linear island chain chronologies : Leg 33, Deep Sea Drilling Projects from the Line and Tuamotu Islands. *Abstr. Progm. geol. Soc. Am.* 6(7) : 941.
- SCHLANGER, S.O.; JACKSON, E.D. *et al.* 1976: "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 973 p.
- SCHLANGER, S.O.; JACKSON, E.D. *et al.* 1976: Site 315. In Schlanger, S.O. Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 37-104.
- SCHLANGER, S.O.; JACKSON, E.D. *et al.* 1976: Site 316. In Schlanger, S.O. Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 105-60.
- SCHLANGER, S.O.; JENKYN, H.C.; PREMOLI-SILVA, I. 1981: Volcanism and vertical tectonics in the Pacific Basin related to the global Cretaceous transgressions. *Earth Planet. Sci. Lett.* 52 : 435-49.
- SCHLANGER, S.O.; PREMOLI-SILVA, I. 1981: Tectonic, volcanic, and paleogeographic implications of redeposited reef faunas of Late Cretaceous and Tertiary age from the Nauru Basin and the Line Islands. In Larson, R.L.; Schlanger, S.O. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 61". Washington. (U.S. Government Printing Office) : 817-28.
- SCHLANGER, S.O.; TRACEY, J.L. 1970: Dolomitization related to recent emergence of Jarvis Island, southern Line Islands (Pacific Ocean). (Abstr.) *Abstr. Progm. geol. Soc. Am.* 2(7) : 676.
- SCHLANGER, S.O.; WINTERER, E.L. 1976: Underway geophysical data : navigation, bathymetry, magnetics and seismic profiles. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 655-93.
- SCHOFIELD, J.C. 1977: Late Holocene sea level, Gilbert and Ellice Islands, western Central Pacific. *N.Z. Jl Geol. Geophys.* 20(3) : 503-29.
- SCHOFIELD, J.C. 1977: Effect of Late Holocene sea-level fall on atoll development. *N.Z. Jl Geol. Geophys.* 20(3) : 531-36.
- SCHRADER, H.J. 1976: Marine diatom biostratigraphy of selected samples from the Equatorial Pacific, DSDP Leg 33. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 491-92.
- SMITH, S.V.; HENDERSON, R.S. 1978: Phoenix Islands report. 1. An environmental survey of Canton Atoll lagoon, 1973. *Atoll Res. Bull.* 221 : 183 p.
- SMITH, S.V.; JOKIEL, P.L. 1978: Water composition and biogeochemical gradients in the Canton Atoll lagoon. *Atoll Res. Bull.* 221 : 15-53.
- SMITH, S.V.; PESRET, F. 1973: Calcification at Fanning Atoll. (Abstr.) *Bull. Am. Ass. Petrol. Geol.* 57(4) : 805-6.
- SMITH, S.V.; ROY, K.J.; SCHIESSER, H.G.; SHEPHERD, G.L.; CHAVE, K.E. 1971: Flux of suspended calcium carbonate (CaCO<sub>3</sub>), Fanning Island lagoon. *Pacif. Sci.* 25 : 206-21.
- SUTTON, G.H. 1971: Scan-Challenger surveys. In Tracey, J.I. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 8". Washington. (U.S. Government Printing Office) : 951-89.
- TAKAYANAGI, Y.; ODA, M. 1976: Shore laboratory report on Cenozoic planktonic Foraminifera : Leg 33. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 451-65.

- TAMAKI, K.; JOSHIMA, M. LARSON, R.L. 1979: Remnant Early Cretaceous spreading center in the Pacific Basin. *J. geophys. Res.* 84 : 4501-10.
- THEYER, F.; MATO, C.Y.; HAMMOND, S.R. 1978: Paleomagnetic and geochronologic calibration of latest Oligocene to Pliocene radiolarian events, Equatorial Pacific. *Mar. Micropaleont.* 3 : 377-95.
- TIFFIN, D. 1981: Kiribati, Phoenix Islands, manganese nodule survey KI-81(3). *CCOP/SOPAC Cruise Rep.* 58.
- TRACEY, J.I. 1972: Holocene emergent reefs in the Central Pacific. (Abstr.) Second National Conference, American Quaternary Association, University of Miami : 51-52.
- TRACEY, J.I. 1979: Quaternary episodes of insular phosphatization in the Central Pacific. Pp 247-61 in "Fertilizer Mineral Potential in Asia and the Pacific". Fertilizer Raw Materials Resource Workshop, Honolulu, August 1979.
- TRACEY, J.I. et al. 1971: "Initial Reports of the Deep Sea Drilling Project, Volume 8". Washington. (U.S. Government Printing Office) : 1037 p.
- TRACEY, J.I. et al. 1971: Leg 8 summary. In Tracey, J.I. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 8". Washington. (U.S. Government Printing Office) : 17-42.
- TRACEY, J.I. et al. 1971: Site 69. In Tracey, J.I. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 8". Washington. (U.S. Government Printing Office) : 61-134.
- TURPIA, R. 1961: Land tenure problems, Gilbert and Ellice Islands. *Atoll Res. Bull.* 85 : 9-10.
- VALENCIA, M.J. 1977: Christmas Island (Pacific Ocean) : Reconnaissance geologic observations. *Atoll Res. Bull.* 197 : 1-17.
- VEEH, H.H.; BURNETT, W.C. 1978: Uranium-series dating of insular phosphate from Ebon Atoll, Micronesia. *Nature, Lond.* 274(5670) : 460-62.
- WARIN, O.N. 1968: Deposits of phosphate rock in Oceania. Pp 124-32 "Proceedings of the Seminar on Sources of Mineral Raw Materials for the Fertilizer Industry in Asia and the Far East". U.N. Mineral Resources Division, Series 32. New York.
- WEBER, J.N.; WOODHEAD, P.M.I. 1972: Carbonate lagoon and beach sediments of Tarawa Atoll, Gilbert Islands. *Atoll Res. Bull.* 157 : 1-21.
- WENTWORTH, C.K. 1931: Geology of the Pacific Equatorial Islands. *Occ. Pap. Bernice P. Bishop Mus.* 9(15) : 3-25.
- WINTERER, E.L. 1973: Sedimentary facies and plate tectonics of the Equatorial Pacific. *Bull. Am. Ass. Petrol. Geol.* 57 : 265-82.
- WINTERER, E.L. 1973: Regional problems. In Winterer, E.L.; Ewing, J.I. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 17". Washington. (U.S. Government Printing Office) : 911-22.
- WINTERER, E.L. 1976: Bathymetry and regional tectonic setting of the Line Islands chain. In Schlanger, S.O.; Jackson, E.D. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 731-47.
- WINTERER, E.L. 1976: Drilling into coral atolls. *Geotimes* 21(6) : 20.
- WINTERER, E.L. 1976: Anomalies in the tectonic evolutions of the Pacific. In "The Geophysics of the Pacific Ocean Basin and its Margins". *Geophys. Monogr.* 19 : 269-78.
- WINTERER, E.L. et al. 1971: "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1757 p.
- WINTERER, E.L. et al. 1971: Site 65. In Winterer, E.L. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 607-724.
- WINTERER, E.L. et al. 1971: Site 66. In Winterer, E.L. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 725-820.
- WINTERER, E.L.; EWING, J.L. et al. 1973: "Initial Reports of the Deep Sea Drilling Project, Volume 17". Washington. (U.S. Government Printing Office) : 930 p.
- WINTERER, E.L.; EWING, J.L. et al. 1973: Site 165. In Winterer, E.L.; Ewing, J.L. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 17". Washington. (U.S. Government Printing Office) : 47-102.



- WINTERER, E.L.; EWING, J.L. *et al.* 1973: Site 166. *In* Winterer, E.L.; Ewing, J.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 17". Washington. (U.S. Government Printing Office) : 103-44.
- WIPPERMAN, L.K.; LARSON, R.L.; HUSSONG, D.M. 1981: The geological and geophysical setting near Site 462. *In* Larson, R.L.; Schlanger, S.O. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 61". Washington. (U.S. Government Printing Office) : 763-70.
- WYCHE, C. 1978: Other South Pacific islands (British Solomon Islands, Christmas Island, Fiji Islands, Nauru and Ocean Island, New Caledonia, New Hebrides, Papua New Guinea) (Mineral industry, 1975). *Minerals Yb. 1975(3)* : 1283-92.
- WYRTKI, K. 1967: Oceanographic observations during the Line Islands Expedition, February-March 1967. *Rep. Hawaii Inst. Geophys. HIG-67-17* : 40 p.
- ZANN, L. 1982: Marine ecology on Betio Island, Tarawa, Kiribati. (Preliminary). *CCOP/SOPAC Tech. Rep. 23*.
- ZIPSER, E.J.; TAYLOR, R.C. 1968: A catalogue of meteorological data obtained during the Line Islands Experiment, February-April 1967. *Tech. Note Hawaii Inst. Geophys. HIG-67-19* : 365 p.

BIBLIOGRAPHY OF  
GEOLOGY AND GEOPHYSICS  
OF NAURU

Rose-Marie Thompson  
*N.Z. Oceanographic Institute, Wellington*

- ANON. 1976: Ocean Island paradise not to be regained (ruling on phosphates). *Min. J., Lond.* 287(7373) : 458.
- ANON. 1976: Nauru (mining industry 1975). *Wld Min.* 29(7) : 173.
- ANON. 1979: Nauru the phosphate industry. *Miner. Trade Notes* 76(8) : 21-22.
- ANON. 1980: Nauru (worldwide survey, mining 1979). *Wld Min.* 33(8) : 143-44.
- BATIZA, R.; LARSON, R.L.; SCHLANGER, S.O.; SHCHECKA, S.A.; TOKUYAMA, H. 1980: Trace element abundances in basalts of Nauru Basin. *Nature, Lond.* 286(5772) : 476-77.
- BRONNIMANN, P.; RESIG, J. 1971: A Neogene globigerinacean biochronologic time-scale of the Southwestern Pacific. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1235-1469.
- CONNOR, J.J. 1976: The diggings (phosphate, Nauru). *Earth Sci., Tokyo* 29(4) : 173-76.
- COOK, P.J. 1975: Prospects for finding offshore phosphate deposits in the Southwest Pacific (Project CCSP-1/REG.11). *Proc. 3rd Sess. CCOP/SOPAC* : 75-83.
- ELLIS, A.F. 1920: Nauru and Ocean Islands : Story of the phosphate discoveries and workings. *N.Z. Jl Agric.* 21 : 297-317.
- ELLIS, A.F. 1928: Nauru and Ocean Islands phosphate. *N.Z. Jl Agric.* 36(1) : 28-30.
- FOUHY, E.; THOMPSON, R.M.C. 1980: Selected list of bibliographies of South Pacific Islands. *Misc. Publs N.Z. oceanogr. Inst.* 91 : 30 p.
- HALADA, R.S. 1978: A seismic study of the Ontong Java Plateau and Nauru Basin. Unpubl. M.Sc. thesis, University of Hawaii, Honolulu, Hawaii.
- HERD, A.C. 1974: Granulation of superphosphate. *N.Z. Jl Sci.* 17 : 161-69.
- IWABUCHI, Y. (scient. co-ord.) 1979: General Bathymetric Chart of the Oceans (GEBCO). 5th Edition. Sheet 5.06. Scale 1:10,000,000 at 0°. Mercator Projection. IHO/IOC.
- KRAUSS, N.L.H. 1970: Bibliography of Nauru, western Pacific. Krauss, 2437 Parker Place, Honolulu, Hawaii. 14 p.
- KROENKE, L.W.; JOUANNIC, C.; WOODWARD, P. (comps) 1983: Bathymetry of the Southwest Pacific. Chart 1 of the Geophysical Atlas of the Southwest Pacific. Scale 1:6,442,192 at 0°. 2 Sheets. Mercator Projection. CCOP/SOPAC.
- KROENKE, L.W.; MOBERLY, R.; WINTERER, E.L.; HEATH, G.R. 1971: Lithologic interpretation of continuous reflection profiling, DSDP, Leg 7. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1161-1226.
- LANDS AND SURVEY, New Zealand, 1978: Nauru. Pp 13-14, pl. 7 in "Atlas of the South Pacific". Government Printer, Wellington.
- LARSON, R.L.; SCHLANGER, S.O. *et al.* 1978: Leg 61 drills in the Nauru Basin. *Geotimes* 23(12) : 21-24.
- LARSON, R.L.; SCHLANGER, S.O. 1981: Cretaceous volcanism and Jurassic magnetic anomalies in the Nauru Basin, western Pacific Ocean. *Geology* 9(10) : 480-84.
- LARSON, R.L.; SCHLANGER, S.O. *et al.* 1981: "Initial Reports of the Deep Sea Drilling Project, Volume 61". Washington. (U.S. Government Printing Office) : 885 p.
- LARSON, R.L.; SCHLANGER, S.O. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 61". Washington. (U.S. Government Printing Office) : 19-394.
- LARSON, R.L.; SCHLANGER, S.O. 1981: Geological evolution of the Nauru Basin and regional implications. In Larson, R.L.; Schlangier, S.O. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 61". Washington. (U.S. Government Printing Office) : 841-62.
- MCMAHON, T.J. 1918: The phosphate and lime industries of Ocean Island and Nauru. *Scient. Aust., Dec.* 1918.
- MAMMERICKX, J.; CHASE, T.E.; SMITH, S.M.; TAYLOR, I.L. 1974: Bathymetry of the South Pacific, Chart 12 (revised). Scripps Institution of Oceanography, La Jolla.
- MARTIN, D.G. 1932: Phosphate islands of the Pacific. *Chambers J. (Ser. 8)* 1 : 278-81.
- MONAHAN, D.; FALCONER, R.H.K.; THARP, M. (scient. co-ord.) 1982: General Bathymetric Chart of the Oceans (GEBCO). 5th Edition. Sheet 5.10. Scale 1:10,000,000 at 0°. Mercator Projection. IHO/IOC.
- NUGENT, L.E. 1948: Emerged phosphate islands in Micronesia. *Bull. geol. Soc. Am.* 59 : 977-94.

- POPE, H.B. 1921: Nauru and Ocean Island. (Their phosphate deposits and workings). *J. Dep. Agric. Vict.* 19(8).  
also in : *Agric. Gaz. N.S.W.* 33 : 391-402.
- REA, D.K.; THIEDE, J. 1981: Mesozoic and Cenozoic mass-accumulation rates of the major sediment components in the Nauru Basin, Western Equatorial Pacific. *In* Larson, R.L.; Schlanger, S.O. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 61". Washington. (U.S. Government Printing Office) : 549-55.
- REED, F.R.C. 1903: Notes on Ocean Island. *Geol. Mag.* 10 : 298-300.
- SCHLANGER, S.O.; PREMOLI-SILVA, I. 1981: Tectonic, volcanic and paleogeographic implications of redeposited reef frames of Late Cretaceous and Tertiary age from the Nauru Basin and the Line Islands. *In* Larson, R.L.; Schlanger, S.O. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 61". Washington. (U.S. Government Printing Office) : 817-28.
- WHITE, M.S. 1971: Superphosphate from Christmas Island phosphate rock. [includes Nauru] *N.Z. J. Sci.* 14 : 364-91.
- WIPPERMAN, L.K.; LARSON, R.L.; HUSSANG, D.M. 1981: The geological and geophysical setting near Site 462. *In* Larson, R.L.; Schlanger, S.O. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 61". Washington. (U.S. Government Printing Office) : 763-70.
- WOODMANSEE, W.C. 1977: The mineral industry of other South Pacific Islands (British Solomon Islands . . . Nauru and Ocean Island, . . .) *Publs U.S. Bur. Mines* : 11 p.
- WYCHE, C. 1980: The mineral industry of other South Pacific Islands (Fiji, Nauru and Ocean Island . . . Tonga Island). *Miner. Yb. U.S. Bur. Mines 1978-79* : 10 p.

BIBLIOGRAPHY OF  
GEOLOGY AND GEOPHYSICS  
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This bibliography includes all onshore and offshore geological/geophysical articles, open-file reports, and maps up to February 1983 relevant to New Caledonia, its dependencies (Chesterfield Islands, Loyalty Islands, Hunter and Matthew Islands), and the related Exclusive Economic Zone. For geological relationship considerations, it covers additionally the northern parts of the Lord Howe Rise, the New Caledonia Basin, and the Norfolk Ridge to the south, the North Loyalty Basin (also called New Hebrides Basin in the literature) to the east, the d'Entrecasteaux region up to the South Rennell Trough to the north, and the Mellish Plateau area to the northwest.

This compilation results essentially from the merge of a manual search carried out in Noumea and a computer search operated by N.Z. Oceanographic Institute. All open-file references found to date have been taken into consideration, at the exclusion of those published by F. Dugas and J. Launay in 1975, in the first edition (*CCOP/SOPAC Tech. Bull. 1*).

## NEW CALEDONIA

- AL-TEMEEMI, A.Y. 1977: Mineralogical, geochemical and sedimentary parameters of New Caledonia bottom sediments. Unpubl. Ph.D. thesis, George Washington University, Washington, D.C. 268 p.
- ANDREWS, J.E. 1972: Possible folded structure in the New Caledonia basin. (Abstr.) *Abstr. Prog. geol. Soc. Am.* 4(3) : 123.
- ANDREWS, J.E. 1973: Correlation of seismic reflectors. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 459-79.
- ANDREWS, J.E.; BURNS, R.E. *et al.* 1973: Deep Sea Drilling Project : Leg 21, Tasman Sea-Coral Sea. (Preliminary results). Pp 185-99 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- ANDREWS, J.E.; PACKHAM, G.H. *et al.* 1975: "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 753 p.
- ANDREWS, J.E.; PACKHAM, G.H. *et al.* 1975: Site 285. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 27-68.
- ANDREWS, J.E.; PACKHAM, G.H. *et al.* 1975: Site 286. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 69-131.
- ANGLADA, R.; FROGET, C.; RECY, J. 1975: Sédimentation ralentie et diagenèse sous-marine au sud-est de la Nouvelle-Calédonie (dolomitisation, ferruginisation, phosphatisation). [Slowed-down sedimentation and submarine diagenesis south-east of New Caledonia : dolomitisation, ferruginisation, phosphatisation.] *Sedim. Geol.* 14(4) : 301-17.
- ANON. 1974: New mine and plant for New Caledonia (nickel). *Min. Mag., Lond.* 130(3) : 149.
- ANON. 1974: Nickel production in New Caledonia. *Min. Mag., Lond.* 130(5) : 336-49.
- ANON. 1974: New Caledonia nickel company developments. *Min. J., Lond.* 283(7271) : 547.
- ANON. 1974: ... and new interest in Goro (French interest in New Caledonian nickel). *Min. J., Lond.* 284(7276) : 81-82.
- ANON. 1975: New Caledonia nickel, the demand/supply ironies. *Metals Week* 46(4) : 6.
- ANON. 1975: Nickel Goro decision (New Caledonia). *Metal Bull.* 5961 : 18-19.
- ANON. 1975: Nickel Goro share out (New Caledonia). *Metal Bull.* 5965 : 19.
- ANON. 1975: France seeks firm Inco plans for New Caledonia (nickel). *Metals Week* 46(6) : 7.
- ANON. 1975: Roadblocks to New Caledonian nickel remain. *Metals Week* 46(7) : 5.
- ANON. 1975: Amax into New Caledonia (nickel). *Min. J., Lond.* 284(7279) : 133.
- ANON. 1975: Coframmi loses Koumac (nickel exploitation, New Caledonia). *Metal Bull.* 5977 : 22.
- ANON. 1975: Coframmi loses right (for mining New Caledonian nickel). *Min. J., Lond.* 284(7284) : 231.
- ANON. 1975: Nickel developments in New Caledonia. *Min. Mag., Lond.* 132(2) : 86.
- ANON. 1975: French programme on mineral raw materials (exploration and development in New Caledonia and French Guyana). *News. Commonw. geol. Liaison Off.* 5 : 16-17.
- ANON. 1975: France trying to woo back Amax nickel interest. *Metals Week* 46(29) : 9.
- ANON. 1975: New Caledonia (mineral production statistics 1975). *Wld Min.* 28(7) : 179-81.
- ANON. 1975: A decision on New Caledonia nickel may be at hand. *Metals Week* 46(30) : 6.
- ANON. 1975: Nuclear power to spark New Caledonian nickel. *Metals Week* 46(38) : 3.
- ANON. 1975: Big guns of New Caledonia (nickel developments). *Metal Bull.* 5999 : 17.
- ANON. 1975: New Caledonian nickel Amax will wait. *Metals Week* 46(41) : 3.
- ANON. 1975: French chrome project (in New Caledonia). *Min. J., Lond.* 284(7297) : 495.

- ANON. 1975: New Caledonia nickel project developments. *Min. J., Lond.* 285(7300) : 43.
- ANON. 1975: France pushes NC along. *Metal Bull.* 6007 : 21.
- ANON. 1976: New Caledonia decision delayed (nickel project). *Metal Bull.* 6068 : 24.
- ANON. 1976: An exploration program (feasibility study for chromite mine, New Caledonia). *Min. Congr. J.* 62(9) : 12-13.
- ANON. 1976: New Caledonia gives tax break for nickel. *Wld Min.* 29(7) : 89-90.
- ANON. 1976: Tiebaghi chrome viable (New Caledonia). *Min. J., Lond.* 287(7350) : 9.
- ANON. 1976: New Caledonian agreement soon (French to develop nickel). *Min. J., Lond.* 287(7352) : 51.
- ANON. 1976: Second thoughts in New Caledonia (nickel). *Min. J., Lond.* 287(7360) : 185.
- ANON. 1976: New Caledonia (mining industry 1975). *Wld Min.* 29(7) : 173.
- ANON. 1976: New Caledonia agreement (on nickel mine). *Metal Bull.* 6108 : 17.
- ANON. 1976: French/Cofremmi sparks nickel projects (New Caledonia). *Metals Week* 47(14) : 2.
- ANON. 1976: Chromite mine feasibility study announced (New Caledonia). *Aust. Min.* 68(10) : 4.
- ANON. 1976: It is feasible in New Caledonia (re-development of chromite mine at Tiebaghi). *Mine Quarry* 5(11) : 60.
- ANON. 1976: New Caledonia Inco subsidiary re-evaluates reserves of high grade chromite at Tiebaghi. *Wld Min.* 29(9) : 72.
- ANON. 1976: Nickel SLN's expansion plans (New Caledonia). *Metal Bull. Mon.* 66 : 41-43.
- ANON. 1977: Nickel expansion in New Caledonia. *Min. Mag., Lond.* 136(1) : 6.
- ANON. 1977: Geology of New Caledonia - Results and hypotheses in 1976. *Bull. Bur. Rech. Géol. Minièr., sér. 2, Sect. 4(1)* : 95 p.
- ANON. 1977: New Caledonia (review for 1976-1977). *Min. a. Rev.* 1977 : 385.
- ANON. 1977: Inco further New Caledonia studies. *Min. J., Lond.* 288(7394) : 349.
- ANON. 1977: New Caledonia (mining developments, production and new projects in 1976). *Wld Min.* 30(7) : 139.
- ANON. 1977: Amax, French on verge of New Caledonia (nickel) pact. *Metals Week* 48(44) : 7.
- ANON. 1978: New Caledonian nickel deposits will be mined by joint venture of Amax and France's BRGM. *Engng Min. J.* 179(4) : 37.
- ANON. 1978: New Caledonia Amax and BRGM agree to develop nickel deposits. *Wld Min.* 31(4) : 106.
- ANON. 1978: Amax, French plan nickel mine (New Caledonia). *Can. Min. J.* 99(4) : 24.
- ANON. 1978: Le Nickel cuts production (New Caledonia). *Min. J., Lond.* 290(7446) : 333.
- ANON. 1978: Nickel (exploration, northern New Caledonia). *Metal Bull. Mon.* 90 : 57.
- ANON. 1978: New Caledonia (major features of mineral production in 1977). *Min. a. Rev.* 1978 : 419.
- ANON. 1978: . . . (The nickel deposits of New Caledonia). *Mines Metall.* 141 : 17-19.
- ANON. 1979: New Caledonia (review of mineral exploration and production). *Min. a. Rev.* 1979 : 407.
- ANON. 1979: Nickel (New Caledonia) (first half 1979 ore production 1.86 million metric tons). *Miner. Trade Notes* 76(10-11) : 16.
- ANON. 1980: New Caledonia (worldwide survey, mining 1979). *Wld Min.* 33(8) : 144-45.
- ANON. 1980: New Caledonia (summary, 1979-80). *Min. a. Rev.* 1980 : 434.
- ANON. 1980: New Caledonia new BRGM strategy may jeopardise Ni-Co project. *Wld Min.* 33(10) : 96.
- ANON. 1981: Nickel and mining diversification in New Caledonia. *Min. Mag., Lond.* 144(1) : 104.
- ANON. 1981: Chromite mining in New Caledonia. *Min. Mag., Lond.* 144(2) : 133.
- ANON. 1981: Earthquakes Loyalty Islands (M 6.7) 24 November. *SEAN Bull.* 6(11) : 9.
- ANON. 1981: Imports of nickel ore to be sharply cut for FY 1981. *Japan Metal Bull.* 4091 : 4-5.



- ANON. 1981: Mise en exploitation d'un gisement de chromite on Nouvelle-Caledonie l'an prochain. [Exploitation plan for a chromite deposit in New Caledonia next year.] Agence Economique et Financiere (AGEFI) 71(6) : 5.
- ANON. 1981: The economics of nickel. *Roskill Inf. Serv.* : 570 p.
- ANON. 1981: Energy, metals and ores in France during 1980 (including New Caledonia) and world production statistics. *Annls Mines* 81(11-12) : 1-200.
- ANON. 1981: Inco metals to commence chromite project in New Caledonia. *Skills Min. Rev.* 70(3) : 5.
- ARNOULD, A. 1953: Note géologique sur les gisements de tungstène de Faja-Kouaoua, Nouvelle Calédonie. [Geological note on wolfram deposits of Faja-Kouaoua, New Caledonia.] Service des Mines, Nouméa. (Unpubl. Rep.)
- ARNOULD, A. 1953: Phénomène de métamorphisme dans le nord-est de la Nouvelle Calédonie. [Metamorphism phenomenon in the NE of New Caledonia.] *Proc. 8th Pacif. Sci. Congr., Manilla 2* : 142-46.
- ARNOULD, A. 1954: Etude préliminaire sur les conditions de gisement du manganèse en Nouvelle Calédonie. [Preliminary study on manganese deposit conditions in New Caledonia.] Service des Mines, Nouméa. (Unpubl. Rep.)
- ARNOULD, A. 1958: Etude géologique de la partie nord-est de la Nouvelle Calédonie. [Geological study of the northeastern part of New Caledonia.] *Annls Univ. Paris* 29(3) : 475-79.
- ARONSON, J.L.; TILTON, G.R.; NAESER, C. 1970: Probable Precambrian detrital zone zircons in New Caledonia. (Abstr.) *EOS Trans. Am. geophys. Un.* 51(4) : 434.
- AUBOUIN, J.; MATTAUER, M.; ALLEGRE, C. 1976: Les nappes ophiolitiques du Sud-Ouest Pacifique et l'interprétation des chaînes alpines. [Ophiolitic nappes of the SW Pacific and interpretation of the alpine belts.] (Abstr.) *4eme Réunion. a. Sci. Terre (Progr. Résumés)* : 5.
- AUBOUIN, J.; MATTAUER, M.; ALLEGRE, C. 1977: La couronne ophiolitique peri-australienne : un charriage océanique représentatif des stades précoces de l'évolution alpine. [The peri-Australian ophiolitic belt : an oceanic overthrust representative of the early stages of the alpine evolution.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D* 285(9) : 953-56.
- AUTRAN, A.; GUERANGE, B. 1977: ... [Mesozoic metamorphism in the central chain of New Caledonia and its geodynamic implications in the evolution of the Rangitata orogenesis in the Cretaceous.] *Bull. Bur. Rech. Geol. Minier., ser. 2, Sect. 2, suppl.* : 35.
- AVIAS, J. 1952: Sur la formation actuelle de gypse dans certains marais cotiers de la Nouvelle Calédonie. [Current gypsum formation in some coastal swamps of New Caledonia.] (Abstr.) *Proc. 19th Int. Geol. Congr., Algiers* : 24.
- AVIAS, J. 1952: Observations à la communication de P. Routhier : Volcanicité et embryotectonique paléogènes en Nouvelle Calédonie. [Observations to P. Routhier's communication : Paleogene volcanicity and embryotectonics in New Caledonia.] (Abstr.) *Proc. 19th Int. Geol. Congr., Algiers* : 50-51.
- AVIAS, J. 1952: Observations au colloque sur le continent de Gondwana : Devonopérmien et flore angiosperme néo-calédonienne de la fin du Trias et du début du Lias. [Observations to the symposium on Gondwana continent : Devonopérmian and angiosperm flora from New Caledonia by the Late Trias and Early Lias.] (Abstr.) *Proc. 19th Int. Geol. Congr., Algiers*.
- AVIAS, J. 1954: Sur la genèse des gisements de manganèse de Nouvelle Calédonie (secteur central). [On the genesis of the manganese deposits of the central part of New Caledonia.] *C. r. somm. Séanc. Soc. géol. Fr.* 1 : 17-19.
- AVIAS, J. 1956: Les grandes étapes du progrès des connaissances stratigraphiques et paléontologiques en Nouvelle Calédonie. [Major stages of knowledge progress on stratigraphy and paleontology in New Caledonia.] *Proc. 8th Pacif. Sci. Congr., Manilla 2* : 473-80.
- AVIAS, J. 1956: Sur le passage par transition de certaines enclaves diabasiques aux serpentines en Nouvelle Calédonie. [On the transition from diabasic inclusions to the serpentines in New Caledonia.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D* : 2741-44.

- AVIAS, J. 1958: Contacts et intrications : serpentines, schistes charbonneux et charbons dans le bassin houiller de Moindou, Nouvelle Calédonie. [Contacts and intrications : serpentines, coaly schists and coal deposits in the coalfield of Moindou, New Caledonia.] *Revue Ind. miner. (July 1958)* : 114–20.
- AVIAS, J. 1957: On the importance of underwater volcanic formations intercalated in the plicated beds of the great orogenic belts. In "Relations Volcanoes – Geological Structures". *Proc. 9th Pacif. Sci. Congr., Bangkok* : 1–2.
- AVIAS, J. 1958: Sur l'existence, d'une phase tectonique hercynienne tardive ayant affecté les formations anté-triasiques de la côte ouest de la Nouvelle Calédonie. [On the existence of a Late Hercynian tectonic phase having affected the ante-Triassic formations of the west coast of New Caledonia.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D 246(1)* : 136–37.
- AVIAS, J. 1960: Erosion karstique en Nouvelle Calédonie. [Karstic erosion in New Caledonia.] *Mem. Ass. int. Hydrogéol. 2* : 84–87.
- AVIAS, J. 1973: Sur l'âge des phénomènes de chloritisation, de serpentinitisation et de talcisation observables dans les enclaves et dans les contacts des ultrabasites de la Nouvelle Calédonie. [The age of the chloritisation, serpentinitisation and ultrabasites in New Caledonia.] (Abstr.) *1ere Réun. a. Sci. Terre (Progr. Résumés)* : 57.
- AVIAS, J. 1973: Major features of the New Guinea-Louisiade-New Caledonia-Norfolk arc systems. Pp 113–26 in Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- AVIAS, J. 1976: Facts and arguments about Permian-Triassic opening of a neo-Pacific Ocean in an earth expansion hypothesis. (Abstr.) *Proc. 26th Int. Geol. Congr., Sydney* : Sect. 3A.
- AVIAS, J. 1977: About some features of allochthonous ophiolitic and volcano sedimentary suites units and their contact zones in New Caledonia. Pp 245–64 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- AVIAS, J. 1978: L'évolution des idées et des connaissances sur la genèse et sur la nature des minerais de nickel en particulier latéritiques, de leur découverte à nos jours. [The evolution of ideas and knowledge on the genesis and the nature on the nickel ores, in particular lateritic, from their discovery to today!]. *Bull. Bur. Rech. Géol. Minier., sér. 2, Sect. 2(3)* : 165–72.
- AVIAS, J.; COUDRAY, J. 1965: Sur la présence d'éolianites en Nouvelle Calédonie. [On the presence of eolianites in New Caledonia.] *C. r. somm. Séanc. Soc. géol. Fr. 10* : 327–28.
- AVIAS, J.; COUDRAY, J. 1967: Premiers enseignements apportés par un forage réalisé dans le récif barrière de la Nouvelle Calédonie. [Preliminary data from a boring in the barrier reef of New Caledonia.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D 265(25)* : 1867–68.
- AVIAS, J.; COUDRAY, J. 1975: Sur la nature et l'origine des "épanchements volcanosédimentaires paléogènes" de la Nouvelle Calédonie. [The nature and origin of the "Paleogene volcanosedimentary layer" of New Caledonia.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D, 280(5)* : 545–46.
- AVIAS, J.; DROT, J. 1952: Sur la présence du Rhétien en Nouvelle Calédonie. [Existence of Rhetian in New Caledonia.] *C. r. somm. Soc. géol. Fr. 12* : 247–48.
- AVIAS, J.; REY, R. 1957: Sur l'origine de certains problematica petrifiés des marais cotiers de la Nouvelle-Calédonie. *C. r. somm. Séanc. géol. Fr. 16* : 377.
- AZIZ-UR-RAHMAN; MCDUGALL, I. 1973: Palaeomagnetism and palaeosecular variation on lavas from Norfolk and Philip Islands, SW Pacific Ocean. *Geophys. J. R. astr. Soc. 33(2)* : 141–55.
- BALTZER, F.; DUGAS, F. 1977: Age of slope breccia and caliche capping the aeolianites in the Bay of Saint Vincent, west coast of New Caledonia. Pp 301–6 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- BARNES, I.; O'NEIL, J.R. TRESCASES, J.J. 1978: Present day serpentinitisation in New Caledonia, Oman and Yugoslavia. *Geochim. cosmochim. Acta 42(1)* : 144–45.

- BAUBRON, J.C.; GUILLON, J.H.; RECY, J. 1975: Enseignements d'une étude pétrologique et géochronologique du substrat volcanique de l'île Maré, archipel des Loyauté, SW Pacific. [Petrologic and geochronologic study of volcanic substrata of Mare, Loyalty Islands, SW Pacific.] *Bull. Bur. Rech. Géol. Minier., sér. 2, Sect. 2(1)* : 18.
- BAUBRON, J.C.; GUILLON, J.H.; RECY, J. 1976: Géochronologie par la méthode K/Ar du substrat volcanique de l'île Maré, archipel des Loyauté, SW Pacifique. [Geochronology by the K/Ar method of the volcanic substrate of Mare Island, Loyalty Islands, SW Pacific.] *Bull. Bur. Rech. Géol. Minier., sér. 2, Sect. 4(3)* : 165-76.
- BENEZIT, M. 1980: Nickel et diversification minière en Nouvelle Calédonie. [Nickel and mining diversification in New Caledonia.] (Abstr.) In "Second International Workshop on Geology, Mineral Resources and Geophysics of the South Pacific". New Caledonia, October 1980. CCOP/SOPAC-IOC/WESTPAC.
- BERNAT, M.; LAUNAY, J.; RECY, J. 1976: Datation à l'ionium de quelques formations coralliennes émergées de Nouvelle Calédonie et des îles Loyauté. [Ionium dating of some emerged corallian formations from New Caledonia and Loyalty Islands.] *C. r. hebdomadaire de l'Académie des Sciences, Paris, sér. D 282(1)* : 9-12.
- BESSET, F. 1975: Etude de l'état d'altération des différents faciès de roches ultrabasiques des régions de Kouaoua et Poro, Nouvelle Calédonie. [Alteration of the various facies of ultrabasic rocks in Kouaoua and Poro areas, New Caledonia.] Unpubl. Diplôme Etudes Approfondies, Université de Montpellier, France.
- BESSET, F. 1978: Localisations et répartitions successives du nickel au cours de l'altération latéritique des péridotites de Nouvelle Calédonie. [Nickel localization and successive redistribution during lateritic weathering of peridotites in New Caledonia.] Thèse Doct. 3ème cycle, Université de Montpellier, France.  
also in: *Mém. Centre Etud. Rech. Géol. Hydrogéol., Université de Montpellier, France* 129 p. (1980)
- BESSET, F.; COUDRAY, J. 1978: Le comportement du nickel dans les processus d'altération des péridotites de Nouvelle Calédonie. [The behaviour of nickel in the weathering processes of New Caledonia peridotites.] In Goni, J. (ed.) "Colloque sur la Minéralogie, Géochimie, Géologie des Minéraux et Minerais Nickelifères Latéritiques". *Bull. Bur. Rech. Géol. Minier., sér. 2, Sect. 2(3)* : 207-23.
- BEVAN, J.C.; RODGERS, K.A. 1977: Electron-probe investigation of some chromespinnes from southern New Caledonia. *Mineralog. Mag.* 41(319) : 391-94.
- BIBENT, B.; BUFFERNE, L. 1970: Sur quelques méthodes utilisées pour le dosage des principaux éléments des latérites nicklifères et des minerais de nickel. [Methods used in determination of the principal elements of nickeliferous laterites and nickel ores.] *Chim. analyt.* 52(6) : 632-46; and 52(7) : 784-92.
- BITOUN, G.; COLLOT, J.Y.; LATHAM, G.; MALAHOFF, A.; MISSEGUE, F.; PONTOISE, B.; RECY, J. 1979: New data on the obduction of peridotites in New Caledonia. (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys., Canberra* : 5.10.
- BITOUN, G.; RECY, J. 1982: Origine et évolution du bassin des Loyauté et de ses bordures après la mise en place de la série ophiolitique de Nouvelle Calédonie. [Origin and evolution of the Loyalty Basin and its margins after the setting of the ophiolitic series of New Caledonia.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 505-39.
- BLACK, P.M. 1974: Mineralogy of New Caledonian metamorphic rocks. III. Pyroxenes and major element partitioning between coexisting pyroxenes, amphiboles and garnets from Ouegoa district. *Contr. Miner. Petrol.* 45(4) : 281-88.
- BLACK, P.M. 1974: Oxygen isotope study of metamorphic rocks from the Ouegoa district, New Caledonia. *Contr. Miner. Petrol.* 47(3) : 197-206.
- BLACK, P.M. 1975: Mineralogy of New Caledonian metamorphic rocks. IV. Sheet silicates from the Ouegoa district. *Contr. Miner. Petrol.* 49(4) : 269-84.
- BLACK, P.M. 1976: Regional high-pressure metamorphism in New Caledonia. (Abstr.) *Proc. 25th Int. Geol. Congr., Sydney* 25(3) : 671.

- BLACK, P.M. 1977: Regional high-pressure metamorphism in New Caledonia : Phase equilibria in the Ouegoa district. *Tectonophysics* 43(1-2) : 89-107.
- BLACK, P.M. 1979: The metamorphic rocks of New Caledonia. *Res. Pap. Natn geogr. Soc.* 11 : 45-52.
- BLACK, P.M.; BROTHERS, R.N. 1977: Blueschist ophiolites in the melange zone, northern New Caledonia. *Contr. Miner. Petrol.* 65(1) : 69-78.
- BLAKE, M.C.; BROTHERS, R.N.; LANPHERE, M.A. 1977: Radiometric ages of blueschists in New Caledonia. Pp 279-81 in International Symposium on the "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- BLOOM, A.L. 1980: Late Quaternary sea-level change on South Pacific coasts : A study in tectonic diversity. Pp 505-16 in Moerner, N. (ed.) "Earth Rheology, Isostasy and Eustasy". John Wiley & Sons, U.K.
- BONHOMME, M. 1979: Rapport sur la datation K/Ar de volcanites de l'île de Maré, îles Loyauté. [K/Ar datation of volcanites from Mare island, Loyalty Islands.] Centre Sédim. Géochim. Surface, Université de Strasbourg, France. 4 p. (Unpubl. Rep.)
- BOSQUET, D.; SAOS, J.L. 1971: Campagne magnétique de reconnaissance de la zone de gabbros de la Montagne des Sources. [Magnetic survey of the gabbro zone of the "Montagne des Sources", SW New Caledonia.] ORSTOM, Noumea, (Unpubl. Rep.)
- BOUDIER, N.; NICOLAS, A.; BOUCHEZ, - 1979: Comparaison des structures dans les péridotites d'origine ophiolitique et subocéanique. [Comparison of the structures in the ophiolite-originated and suboceanic periodotites.] *7ème Réun. a. Sci. Terre (Progr. Résumés)* : 74.
- BOUREAU, E. 1952: Homoxylées néo-calédoniennes. Colloque International "Evolution et Phylogénie chez les Végétaux". *Année biol.* 1952 : 143.
- BOUREAU, E. 1954: Découverte du genre "Homoxylon" Sahni dans les terrains secondaires de la Nouvelle Calédonie. [Discovery of the genus *Homoxylon* Sahni in the Mesozoic terranes of New Caledonia.] *Mém. Mus. natn. Hist. nat., Paris, sér. C, 2* : 129-44.
- BOUREAU, E. 1955: Etude paléoxylologique de la Nouvelle Calédonie : sur un "Homoxylon austral n.sp.", bois fossile du marais de Mara. [Paleoxylology of New Caledonia : On a fossil wood of the swamp of Mara, *Homoxylon austral* n.sp.] *Bull. Mus. natn. Hist. nat., Paris, sér. 2, 27(4)* : 341-46.
- BOURGOIS, A.; BIBENT, B.; JOSEPH, C.; MERCADIER, H. 1975: Etude minéralogique et géochimique d'un profil d'altération latéritique du Massif de Ko, Nouvelle Calédonie. [Mineralogical and geochemical study of a profile of lateritic alteration in the Massif de Ko, New Caledonia.] (Abstr.) *3ème Réun. a. Sci. Terre (Progr. Résumés)* : 69.
- BOURKE, R.M. 1976: Caves of New Caledonia and the New Hebrides. *Niugini Caver* 4(4) : 165-70.
- BOURROUILH-LE JAN, F. 1973: Calcitization and dolomitization on the uplifted atoll of Lifu, Loyalty Islands, New Caledonia. (Abstr.) *Kingston geol. Rev.* 1973 : 6-7.
- BOURROUILH-LE JAN, F. 1973: Dolomitisation actuelle dans le monde : une revue. [A review of the present dolomitisation in the world.] *Sciences Terre* 18 : 279-88.
- BOURROUILH-LE JAN, F. 1975: Géochimie et isotopie des calcaires et dolomies de Lifou, atoll soulevé, Nouvelle Calédonie. Sondages et subsurface. [Geochemistry and isotope geology of limestones and dolomites of Lifu, uplifted atoll, New Caledonia. Borings and subsurface.] (Abstr.) *3ème Réun. a. Sci. Terre (Progr. Résumés)* : 71.
- BOURROUILH-LE JAN, F. 1975: Géochimie et isotopie des calcaires et dolomies de Lifou, sondages et subsurface : diagenèse et évolution d'une plateforme carbonatée du Pacifique SW. [Geochemistry and isotope geology of limestones and dolomites of Lifu, borings and subsurface : Diagenesis and evolution of a calcareous platform of the SW Pacific.] *Proc. 9th Int. Sedim. Congr., Nice* 7 : 25-32.
- BOURROUILH-LE JAN, F. 1977: Géomorphologie de quelques atolls dits "soulevés" du Pacifique Ouest et Sud-Ouest, origine et évolution des formes récifales actuelles. [Geomorphology of a few uplifted atolls of the W and SW Pacific, origin and evolution of the present reefal formations.] *Mém. Bur. Rech. Géol. Minier.* 89 : 419-39.

- BOURROUILH-LE JAN, F. 1980: ... [Phosphates, bauxitic soils and dolomitic karst from the central and southwestern Pacific : Sedimentological and geochemical comparison.] *Bull. Bur. Rech. Géol. Minier.* 24 : 113-28.
- BOUTON, R.M. 1939: Note sur les mines de chrome du nord de la Nouvelle Calédonie. [Note on the chromite ores of northern New Caledonia.] Service des Mines, Noumea. (Unpubl. Rep.)
- BRADSHAW, J.D. 1975: IGCP progress in New Zealand - New Caledonia Mesozoic correlation. *Newsl. geol. Soc. N.Z.* 39 : 17.
- BRIGGS, R.M. 1975: Structure, metamorphism and mineral deposits in the Diahot region, northern New Caledonia. Unpubl. Ph.D. thesis, University of Auckland, New Zealand. 486 p.
- BRIGGS, R.M. 1978: Ferrocapholite associated with low-grade blueschists, northern New Caledonia. *Mineralog. Mag.* 42(321) : 147.
- BRIGGS, R.M.; KOBE, H.W.; BLACK, P.M. 1977: High-pressure metamorphism of stratiform sulphide deposits from the Diahot region, New Caledonia. *Miner. Deposita* 12(3) : 263-79.
- BRIGGS, R.M.; LILLIE, A.R.; BROTHERS, R.N. 1978: Structure and high-pressure metamorphism in the Diahot region, northern New Caledonia. *Bull. Bur. Rech. Géol. Minier., sér. 2, Sect. 4(3)* : 171-89.
- BROOKFIELD, M.E. 1977: The emplacement of giant ophiolite nappes. I. : Mesozoic-Cenozoic examples. *Tectonophysics* 37(4) : 247-303.
- BROOKS, R.R. 1979: Advances in botanical methods of prospecting for minerals, part II : Advances in biogeochemical methods of prospecting. In Hood, P.J. (ed.) "Geophysics and Geochemistry in the Search for Metallic Ores". International Symposium, Ottawa, October 1977. *Econ. Geol. Rep., geol. Surv. Can.* 31 : 397-410.
- BROTHERS, R.N. 1971: Tertiary orogenesis and high-pressure metamorphism in New Caledonia. (Abstr.) *Proc. 12th Pacific. Sci. Congr., Canberra* 1 : 447.
- BROTHERS, R.N. 1973: Tertiary orogenesis and high-pressure metamorphism in New Caledonia. (Abstr.) In Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- BROTHERS, R.N. 1974: High-pressure schists in northern New Caledonia. *Contr. Miner. Petrol.* 46(2) : 109-27.
- BROTHERS, R.N. 1975: Lawsonite-albite schists from northernmost New Caledonia. Pp 57-74 in Ernst, W.G. (ed.) "Subduction Zone Metamorphism". Dowden, Hutchinson & Ross, U.S.A.
- BROTHERS, R.N.; BLAKE, M.C. 1973: Tertiary plate tectonics and high-pressure metamorphism in New Caledonia. (Abstr.) *EOS Trans. Am. geophys. Un.* 54(5) : 568.
- BROTHERS, R.N. BLAKE, M.C. 1975: Tertiary plate tectonics and high-pressure metamorphism in New Caledonia. Pp 75-96 in Ernst, W.G. (ed.) "Subduction Zone Metamorphism". Dowden, Hutchinson & Ross, U.S.A.
- BRULEZ, C. 1970: Etude monographique des Pseudomonotidae du Trias supérieur de Nouvelle Calédonie. [Monographic study of the Pseudomonotidae of the Upper Trias in New Caledonia.] Diplôme Etudes Supérieures. 86 p. (Unpubl. Rep.)
- BRULEX, C.; AVIAS, J.; SAURY, A. 1975: Sur quelques caractéristiques de l'évolution des Monotidae de la Nouvelle Calédonie dans le Norion et le Rhétien. [Some characteristics of the evolution of the Monotidae of New Caledonia in the Norian and the Rhetian.] (Abstr.) *3ème Réun. a. Sci. Terre (Progr. Résumés)* : 81.
- BUCAILLE, A. 1980: Nickel et diversification minière en Nouvelle Calédonie. [Nickel and mining diversity in New Caledonia.] *Proc. 26th Int. Geol. Congr., Paris* : 7-8.
- BUKRY, D. 1973: Coccolith and silicoflagellate stratigraphy, Tasman Sea and southwestern Pacific Ocean, Deep Sea Drilling Project, Leg 21. In Burns, R.E.; Andrews, J.E. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 885-93.
- BUKRY, D. 1975: Phytoplankton stratigraphy, Southwest Pacific, Deep Sea Drilling Project, Leg 30. In Andrews, J.E.; Packham, G.H. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 539-47.

- BURNS, R.E.; ANDREWS, J.E. *et al.* 1973: "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 931 p.
- BURNS, R.E.; ANDREWS, J.E. *et al.* 1973: Site 206. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 103-95.
- BURNS, R.E.; ANDREWS, J.E. *et al.* 1975: Site 208. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 271-331.
- BURNS, R.E.; ANDREWS, J.E. 1973: Regional aspects of Deep Sea Drilling in the Southwest Pacific. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 897-906.
- CAILLERE, S.; AVIAS, J.; FALGUEIRETTES, J. 1959: Découverte en Nouvelle Calédonie d'une minéralisation de nickel Ni.As. [Discovery in New Caledonia of a mineralisation of nickel Ni.As.] *C. r. hebdomadaire Séances Acad. Sci., Paris, sér. D* 249(18) : 1171-73.
- CALLOT, F. 1954: Note sur la répartition du minerai de cobalt extrait de la Nouvelle Calédonie. [Note on the repartition of the cobalt ore extracted from New Caledonia.] Service Mines, Nouméa. (Unpubl. Rep.)
- CAMPBELL, H.J.; CAMPBELL, J.D.; GRANT-MACKIE, J.A. 1980: Reference sections, biostratigraphy and correlation of the New Caledonian Triassic and Jurassic. (Abstr.) *In* "Second International Workshop on Geology, Mineral Resources and Geophysics of the South Pacific", New Caledonia, October 1980. CCOP/SOPAC-IOC/WESTPAC.
- CAMPBELL, J.D. 1974: *Heterastridium* (Hydrozoa) from Norian sequences in New Caledonia and New Zealand. *Jl R. Soc. N.Z.* 4(4) : 447-53.
- CAMPBELL, J.D. 1979: Permian-Mesozoic stratigraphy of the Moindou-Teremba area, west coast, New Caledonia. Unpubl. M.Sc. thesis, University of Auckland, New Zealand. 263 p.
- CARROUE, J.P. 1972: Feuille Pouembout et notice explicative. [Pouembout sheet and explanatory note.] Carte géologique Nouvelle Calédonie, 1:50,000. BRGM, Paris.
- CARROUE, J.P.; PARIS, J.P. 1979: Feuille Touho-Poindimie. [Touho-Poindimie sheet.] Carte géologique Nouvelle Calédonie, 1:50,000. BRGM, Paris. (Unpubl. prov. draft)
- CASSARD, D. 1978: Etude structurale de quelques gisements de chromite de Nouvelle Calédonie. [Structural study of some chromite ores of New Caledonia.] Diplôme Etudes Approfondies, Université de Nantes, France. 34 p.
- CASSARD, D. 1980 . . . [Structural classification of podiform chromite deposits from the southern massif, New Caledonia.] (Abstr.) *8ème Réunion. a. Sci. Terre (Progr. Résumés)* : 85.
- CASSARD, D.; LEBLANC, M.; MOUTTE, J.; NICOLAS, A.; PRINZHOFFER, A.; RABINOVITCH, M. 1980: Les gisements de chromite de Nouvelle Calédonie. [Chromite deposits of New Caledonia.] (Abstr.) *Proc. 26th Int. Geol. Congr., Paris* 26(3) : 916.
- CASSARD, D.; NICOLAS, A.; RABINOVITCH, M.; MOUTTE, J.; LEBLANC, M.; PRINZHOFFER, A. 1981: Structural classification of chromite pods in southern New Caledonia. *Econ. Geol.* 76(4) : 805-31.
- CHALLIS, G.A. 1971: Chemical and mineralogical trends in ultramafic rock genesis. *N.Z. geochem. Grp Newsl.* 23 : 43.
- CHEVALIER, J.P. 1973: Coral reefs of New Caledonia. Pp 143-67 *in* "Biology and Geology of Coral Reefs. Geology I". Academic Press, London.
- CHEVALIER, J.P. 1977: Aperçu sur la faune corallienne récifale du Néogène. [On the Neogene coral-reefal fauna.] *In* Proceedings of the 2nd International Symposium on Corals and Fossil Coral Reefs, Paris, September 1975. *Mém. Bur. Rech. Géol. Minier.* 89 : 359-66.
- CHURKIN, M.; PACKHAM, G.H. 1973: Volcanic rocks and volcanic constituents in sediments, Leg 21, Deep Sea Drilling Project. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 481-93.
- CLOISEAUX (de) A. 1878: Sur la noumeite. [On the noumeite.] *Bull. Soc. fr. Miner.* 1878 : 28-29.

- COLEMAN, P.J.; PACKHAM, G.H. 1976: The Melanesian borderlands and India-Pacific plates boundary. *Earth Sci. Rev.* 12 : 197-233.
- COLEMAN, P.J.; VEEVERS, J.J. 1971: Microfossils from Philip Island indicate a minimum age of Lower Miocene for the Norfolk Ridge, Southwest Pacific. *Search* 2(8) : 289.
- COLEMAN, R.G.; IRWIN, W.P. 1974: Ophiolites and ancient continental margins. Pp 921-31 in Burk, C.A.; Drake, C.L. (eds) "The Geology of Continental Margins". Springer-Verlag, New York.
- COLLIGNON, M. 1977: Ammonites néocrétacées de la Nouvelle Calédonie. [Neo-Cretaceous ammonites from New Caledonia.] *Bull. Bur. Rech. Géol. Minier. sér. 2, Sect. 4(1)* : 7-35.
- COLLOT, J.Y.; MISSEGUE, F. 1977: Gravity measurements in Loyalty archipelago, southern New Caledonia and the isle of Pines. Pp 125-34 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- COLLOT, J.Y.; MISSEGUE, F. 1977: Crustal structure between New Caledonia and the New Hebrides. Pp 135-44 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- COLLOT, J.Y.; MISSEGUE, F.; MALAHOFF, A. 1982: Anomalies gravimétriques et structure de la croûte dans la région de la Nouvelle Calédonie : enracinement des peridotites. [Gravimetric anomalies and structure of the crust in the New Caledonia region : Rooting of the peridotites.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM* 147 : 549-64.
- COLLOT, J.Y.; MISSEGUE, F.; PONTOISE, B.; BITOUN, G.; RECY, J.; LATHAM, G.; MALAHOFF, A. 1980: Données nouvelles sur la mise en place des péridotites en Nouvelle Calédonie. [New data on the emplacement of peridotites in New Caledonia.] (Abstr.) *Proc. 26th Int. Geol. Congr., Paris* : 326.
- COLLOT, J.Y.; MISSEGUE, F.; PONTOISE, B.; BITOUN, G.; RECY, J.; LATHAM, G.; MALAHOFF, A. 1980: Obduction de la lithosphère : exemple de la Nouvelle Calédonie. [Obduction of the lithosphere : Example of New Caledonia.] (Abstr.) In "Second International Workshop on Geology, Mineral Resources and Geophysics of the South Pacific", New Caledonia, October 1980. CCOP/SOPAC-IOC/WESTPAC.
- CONINCK, (de), F.D. 1976: Review of Trescases, J.J. "L'évolution géochimique supergène des roches ultrabasiques en zone tropicale et la formation des gisements nickelifères de Nouvelle Calédonie". (*Mem. ORSTOM* 78 : 278 p) *Geoderma* 16(3) : 269.
- COUDRAY, J. 1975: Contrôle climatique de la diagenèse en milieu subaérien : cimentations calcitiques et dolomitiques des éolianites quaternaires de Nouvelle Calédonie. [Climate control of the diagenesis in subaerian environment : Calcitic and dolomitic cementations of the Quaternary eolianites of New Caledonia.] (Abstr.) *Proc. 9th Int. Sedim. Congr., Nice* : theme 1.
- COUDRAY, J. 1975: Les phénomènes de dolomitisation dans les formations récifales et périrécifales pléistocènes de Nouvelle Calédonie. [Phenomena of dolomitisation in Pleistocene reefal and perireefal formations of New Caledonia.] (Abstr.) *3ème Réunion. a. Sci. Terre (Progr. Résumés)* : 110.
- COUDRAY, J. 1976: Recherches sur la Néogène et la Quaternaire marins de la Nouvelle Calédonie : Contributions de l'étude sédimentologique à la connaissance de l'histoire géologique post-éocène. [Research on the marine Neogene and Quaternary of New Caledonia : Contribution of the sedimentological study to the understanding of the post-Eocene geologic history.] Thèse Doct. Etat, Université de Montpellier, France, 1975.  
also in : "Expédition française sur les récifs coralliens de la Nouvelle Calédonie". Fondation Singer-Polignac, France. Vol. 8 : 1-275.
- COUDRAY, J. 1976: Effects of climatic changes on sedimentation and diagenesis of reef and associated formations in New Caledonia during the Quaternary. (Abstr.) *Proc. 25th Int. Geol. Congr., Sydney* 25(2) : Sect. 12 : 493.

- COUDRAY, J. 1977: The main events of the sedimentary and structural history of New Caledonia from the Oligocene to the present day. Pp 217-28 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- COUDRAY, J. 1977: Sédimentation et diagenèse des formations récifales périphériques de la Nouvelle Calédonie durant le Quaternaire : contrôle tectonique et climatique. [Sedimentation and diagenesis of the New Caledonia peripheral reef formations during the Quaternary : Tectonic and climatic control.] In "Proceedings of the 2nd International Symposium on Corals and Fossil Coral Reefs", Paris, September 1975. *Mém. Bur. Rech. Géol. Minier.* 89 : 407-18.
- COUDRAY, J. 1977: Sédimentation et diagenèse des formations récifales périphériques de la Nouvelle Calédonie : contribution à l'étude des récifs coralliens et des éolianites associées à la reconstruction de l'histoire climatique et structurale. [Sedimentation and diagenesis of the New Caledonia peripheral reef formations : Contribution to the study of the coral reefs and the eolianites associated with the reconstruction of the climatic and structural history.] *Bull. Ass. fr. Etude Quat.* 1(50) : 331-40.
- COUDRAY, J.; CUSSEY, R. 1973: Interprétation des conditions de dépôt dan l'aire récifale de la côte ouest de Nouvelle Calédonie durant le Plio-Quaternaire a partir de l'étude sédimentologique d'un sondage. [Interpretation of the deposition conditions in the reefal area on the western coast of New Caledonia during the Pliocene-Quaternary from the sedimentological study of a borehole.] (Abstr.) *1ere Réun. a. Sci. Terre (Progr. Résumés)* : 141.
- COUDRAY, J.; CUSSEY, R. 1973: Analyse des conditions de dépôt de la série récifale plioquaternaire traversée par le sondage Tenia, côte sud-ouest de la Nouvelle Calédonie. [Analysis of the deposition conditions of the Pliocene-Quaternary reefal series drilled by the borehole Tenia on the SW coast of New Caledonia.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D* 277 : 1977-80.
- COUDRAY, J.; MARGEREL, J.P. 1974: Les Foraminifères de la série récifale traversée par le sondage Tenia (côte SW de la Nouvelle Calédonie) : apports stratigraphiques, paléo-écologiques et sédimentologiques. [The Foraminifera of the reef series traversed by Tenia borehole, SW coast of New Caledonia : Stratigraphic, paleoecologic and sedimentologic contributions.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D* 279(3) : 231-34.
- DANIEL, J.; DUGAS, F.; DUPONT, J.; JOUANNIC, C.; LAUNAY, J.; MONZIER, M.; RECY, J. 1976: La zone charnière Nouvelle Calédonie - Ride de Norfolk (SW Pacifique) : resultats de dragages et interprétation. [The New Caledonia-Norfolk Ridge hinge zone, SW Pacific : Results of dredgings and interpretation.] *Cah. ORSTOM, sér. Géol.* 8(1) : 95-105.
- DANIEL, J.; HAWKINS, L.V.; JOUANNIC, C.; LARUE, B.M.; RECY, J. 1975: Marine geology on the east margin of Indo-Australian plate between New Caledonia and Solomon Islands. (Abstr.) *Proc. 13th Pacif. Sci. Congr., Vancouver* 13(1) : 396.
- DANIEL, J.; JOUANNIC, C.; LARUE, B.M.; RECY, J. 1977: Interpretation of d'Entrecasteaux zone (north of New Caledonia). Pp 117-24 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- DANIEL, J.; JOUANNIC, C.; LARUE, B.M.; RECY, J. 1978: Marine geology of eastern Coral Sea (eastern margin of Indo-Australian plate, north of New Caledonia). *S. Pacif. mar. geol. Notes* 1(8) : 81-94.
- DA ROLD, C.; DERAISME, J.; DUMAY, R. 1980: Etude methodologique de la simulation d'une exploitation de nickel de Nouvelle Calédonie sur un modele géostatistique de gisement. [Methodological study of the simulation of nickel exploitation in New Caledonia using a geostatistical deposit model.] *Ind. Miner.* 62(10) : 651-63.
- DELESSE, A.; LAUGEL, F. 1873: Vase crayeuse de la Nouvelle Calédonie. [Chalky ooze of New Caledonia.] *Revue Geol.* 6 : 278-83.
- DIESSEL, C.F.K.; BROTHERS, R.N.; BLACK, P.M. 1978: Coalification and graphitisation in high-pressure schists of New Caledonia. *Contr. Miner. Petrol.* 68(1) : 63-78.



- DOUKHAN, N.; DOUKHAN, J.C.; NICOLAS, A. 1979: T.E.M. investigation of chromites from New Caledonia. In "Mécanismes de déformation des minéraux et des roches". *Bull. Soc. fr. Minér. Cristallogr.* 102(2-3) : 163-67.
- DOUVILLE, H. 1889: Observations suite à l'article de Zeiller "Sur quelques empreintes végétales des couches de charbon de la Nouvelle Calédonie". [Comments on Zeiller's "On some plant prints in the coal layers of New Caledonia."] *Bull. Soc. géol. Fr.* 3(17) : 443.
- DROT, J. 1953: Description de brachiopodes du Trias et de l'infra-Lias de Nouvelle Calédonie. [Description of brachiopods of the Trias and Lower Lias periods in New Caledonia.] *Sciences Terre* 1(1-2) : 104.
- DUBEL, C.; GONORD, H. 1976: Considérations sur l'évolution du Pacifique Sud-Ouest : intérêt de la zone néo-calédonienne. [Considerations on the evolution of the SW Pacific : Interest of the Neo-Caledonian zone.] (Abstr.) *4ème Réun. a. Sci. Terre (Progr. Résumés)* : 144.
- DUBOIS, J.; DUPONT, J.; LAPOUILLE, A.; RECY, J. 1977: Lithospheric bulge and thickening of the lithosphere with age : Examples in the Southwest Pacific. Pp 371-80 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- DUBOIS, J.; DUPONT, J.; RECY, J. 1982: Apports nouveaux à l'étude du Sud-Ouest Pacifique. [New contributions to the geodynamic study of the SW Pacific.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM* 147 : 567-88.
- DUBOIS, J.; LAUNAY, J.; RECY, J. 1974: Uplift movements in New Caledonia-Loyalty Islands area and their plate tectonics interpretation. *Tectonophysics* 24(1-2) : 133-50.
- DUBOIS, J.; LAUNAY, J.; RECY, J. 1975: Lithospheric bulges close to island arcs. (Abstr.) *Proc. 13th Pacif. Sci. Congr., Vancouver* 1 : 399.
- DUBOIS, J.; LAUNAY, J.; RECY, J. 1975: Some new evidence on lithospheric bulges close to island arcs. *Tectonophysics* 26(3-4) : 189-96.
- DUBOIS, J.; LAUNAY, J.; RECY, J.; MARSHALL, J. 1977: New Hebrides trench : Subduction rate from associated lithospheric bulge. *Can. J. Earth Sci.* 14(2) : 250-55.
- DUBOIS, J.; RAVENNE, C.; AUBERTIN, A.; LOUIS, J.; GUILLAUME, R.; LAUNAY, J.; MONTADERT, L. 1974: Continental margins near New Caledonia. Pp 521-35. In Burk, C.A.; Drake, C.L. (eds) "The Geology of Continental Margins". Springer-Verlag, New York. 1009 p.
- DUGAS, F.; DEBENAY, J.P. 1978: Feuille Mont-Dore avec notice explicative et carte annexe. [Mont-Dore sheet with explanatory note and annex map.] Carte sédimentologique du lagon de Nouvelle Calédonie, 1:50,000. ORSTOM, Paris.
- DUGAS, F.; DEBENAY, J.P. 1978: Interférence des failles-flexures littorales et de l'érosion karstique sur les constructions coralliennes; le lagon de Nouvelle Calédonie. [Interference of littoral flexure faults and karstic erosion with coral structures; the lagoon of New Caledonia.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D* 287(12) : 1091-94.
- DUGAS, F.; DEBENAY, J.P. 1980: The Recent reefal sedimentation in the SW New Caledonia lagoon, role of the ante-Holocene karstic morphology. (Abstr.) *Proc. 26th Int. Geol. Congr., Paris* 26(2) : 461.
- DUGAS, F.; DEBENAY, J.P. 1981: Carte sédimentologique du Sud-Ouest du lagon de Nouvelle Calédonie, au 1/200,000ème, avec notice explicative. [Sedimentological map of the SW of the lagoon of New Caledonia, at 1:200,000, with an explanatory note.] Pl. 8 in "Atlas de la Nouvelle Calédonie", ORSTOM, Paris.
- DUGAS, F.; LAUNAY, J. 1975: Bibliography of the geology and geophysics of New Caledonia. In Kroenke, L.W.; Bardsley, E. (eds) "Bibliography of Geology and Geophysics of the South Pacific". *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 1 : 28-52.
- DUGAS, F.; PARROT, J.F. 1978: Reconstitution de la ceinture éocène du Sud-Ouest Pacifique. [Reconstruction of the Eocene belt in the SW Pacific.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D* 287(7) : 671-74.

- DUGAS, F.; VILLE, P.; COUDRAY, J. 1980: Etude sismique du lagon Sud-Ouest de la Nouvelle Calédonie : paléomorphologies successives et comportement du littoral de l'île au Quaternaire supérieur. [Seismic study of the SW lagoon of New Caledonia : Successive paleomorphologies and behaviour during the Upper Quaternary of the littoral of the island.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D 290(14)* : 963-66.
- DUMITRICA, P. 1973: Phaeodarian Radiolaria in Southwest Pacific sediments cored during Leg 21 of the Deep Sea Drilling Project. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 751-85.
- DUMITRICA, P. 1973: Paleocene Radiolaria, DSDP Leg 21. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 787-817.
- DUMITRICA, P. 1973: Neozoic endoskeletal dinoflagellates in southwestern Pacific sediments cored in Leg 21 of the Deep Sea Drilling Project. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 819-35.
- DUMITRICA, P. 1973: Paleocene, Late Oligocene and Post-Oligocene silicoflagellates in southwestern Pacific sediments cored on DSDP, Leg 21. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 837-83.
- DUPONT, J.; LAUNAY, J.; RAVENNE, C.; DE BROIN, C.E. 1975: Données nouvelles sur la ride de Norfolk, Sud-Ouest Pacifique. [New data on the Norfolk Ridge, SW Pacific.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D 281* : 605-8.
- DUPONT, J.; RECY, J. 1980: Le Sud-Ouest Pacifique : données structurales Carte structurale au 1/12,000,000, avec notice explicative. [The SW Pacific : structural map at 1:12,000,000, with explanatory note.] Pl. 5 *in* "Atlas de la Nouvelle Calédonie", ORSTOM, Paris.
- DUPUY, C.; DOSTAL, J.; LEBLANC, M. 1981: Distribution of copper and gold in ophiolites from New Caledonia. *Can. Mineralogist 19(2)* : 225-32.
- DUPUY, C.; LEBLANC, M. 1980: Distribution of V, Ni, Co, Cu and Zn in chromites from New Caledonia ophiolites. (Abstr.) P. 34 *in* "Metallogeny of Mafic and Ultramafic Complexes . . ." International Symposium, Athens, October 1980. UNESCO/National Technical University, Athens.
- EDWARDS, A.R. 1973: Calcareous nannofossils. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 641-91.
- EDWARDS, A.R. 1973: Southwest Pacific regional unconformities encountered during Leg 21. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 701-20.
- ERNST, W.G. 1974: High-pressure alpine and circumpacific metamorphic belts. (Abstr.) *EOS Trans. Am. geophys. Un. 55(4)* : 484.
- ESPIRAT, J.J. 1967: Etude hydrogéologique de la côte ouest de la Nouvelle Calédonie. [Hydrogeologic study of the W coast of New Caledonia.] BRGM/Service Genie Rural et Hydraulique, New Caledonia. (Unpubl. Rep.)
- ESPIRAT, J.J.; MILLON, R.; NOESMOEN, A. 1965: Note sur l'échelle stratigraphique de la Nouvelle Calédonie. [Note on the stratigraphic scale of New Caledonia.] BRGM, Nouméa. 8 p.
- EVOY, E.F. 1970: Iron ore deposits of Australia, New Zealand and New Caledonia. Pp 207-36 *in* "Survey of the World Iron Ore Resources". United Nations, New York.
- FAURE, P.; ILLIS, J.; GUERANGE, B.; LOZES, J.; TIBURZIO, D. 1979: Feuille Me-Maoya, et notice explicative. [Sheet Me-Maoya and explanatory note.] Carte géologique Nouvelle Calédonie, 1:50,000. BRGM, Paris.
- FAURE, P.; PARIS, J.P. 1979: Feuille Tontonta et notice explicative. [Sheet Tontonta and explanatory note.] Carte géologique Nouvelle Calédonie, 1:50,000. BRGM, Paris.
- FAYE, G.H. 1974: Optical absorption spectrum of Ni<sup>2+</sup> in garnierite : a discussion. *Can. Mineralogist 12(6)* : 389-93.

- FERNETTE, J.P.; BROWN, E.H. 1976: Phase relations of Ca- and Na-Al silicates in low grade metamorphic rocks. *EOS Trans. Am. geophys. Un.* 57(12) : 1022.
- FONTES, J.C.; LAUNAY, J.; MONZIER, M.; RECY, J. 1977: Genetic hypothesis on the ancient and recent reef complexes in New Caledonia. Pp 289-99 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- FORCE, E.R. 1973: Permian-Triassic contact relations in Circum-Pacific geosynclines. *Pacif. Geol.* 6 : 19-25.
- FRENEIX, S. 1975: Remarques sur la faune de bivalves de la formation à charbon senonienne de la Nouvelle Calédonie. [Comments on the bivalve fauna in the Senonian coal formation of New Caledonia.] *IUGS/UNESCO IGCP Proj. No. 8, Rep. 2* : 16-17.
- FRENEIX, S. 1980: Bivalves néocrétacés de la Nouvelle Calédonie et leur signification. [Upper Cretaceous bivalves from New Caledonia and their signification.] (Abstr.) *Proc. 26th Int. Geol. Congr., Paris* 26(1) : 164.
- FRENEIX, S. 1980: Bivalves néocrétacés de Nouvelle Calédonie : signification biogéographique, biostratigraphique, paléocéologique. [Upper Cretaceous bivalves from New Caledonia : biogeographic, biostratigraphic and paleoecological implications.] *Ann. Paléontol. Invertéb.* 66(2) : 67-134.
- FRENEIX, S. 1981: Faunes de bivalves du Sénonien de Nouvelle-Calédonie : analyses paléobiogéographique, biostratigraphique, paléocéologique. [Bivalve fauna from the Senonian of New Caledonia : Biogeography, biostratigraphy, paleoecology.] *Ann. Paléontol. Invertéb.* 67(1) : 13-32.
- FRENEIX, S.; AVIAS, J. 1976: *Caledogonia*, a new smooth trigoniacean (bivalve) from the Triassic of New Caledonia and its paleobiogeographical significance. (Abstr.) *Proc. 25th Int. Geol. Congr., Sydney* 25(1) : sect. 7B, 304-5.
- FRENEIX, S.; AVIAS, J. 1977: *Caledogonia* gen. nov., a smooth trigoniacean bivalve from the Triassic of New Caledonia. *Alcheringa* 1(3-4) : 279-91.
- FRENEIX, S.; GRANT-MACKIE, J.A. 1978: New Upper Cretaceous Cardiidae (Bivalvia) from New Zealand and New Caledonia. *N.Z. J. Geol. Geophys.* 21(4) : 505-15.
- FRENEIX, S.; GRANT-MACKIE, J.A.; LOZES, J. 1974: Présence de *Malayomaorica* (Bivalvia) dans le Jurassique supérieur de la Nouvelle Calédonie. [Presence of *Malayomaorica* - Bivalvia - in the Upper Jurassic of New Caledonia.] *Bull. Soc. géol. Fr.* 16(4) : 456-64.
- FRIMIGACCI, D. 1973: The two levels of lapita style ceramic of Vatcha (Iles des Pins) : Description of the pottery, stratigraphy and chronology. (Abstr.) *Proc. 9th INQUA Congr., Christchurch* 9 : 106.
- GARNIER, J. 1865: Coup d'oeil sur la géologie de la Nouvelle Calédonie dans la traversée de Port de France, côte Ouest, à Kanala, côte Est. [Glance at the geology of New Caledonia in a traverse from Port de France, west coast, to Kanala, east coast.] *Nouv. Ann. Voyages* 4 : 351-73.
- GAVEN, C.; BOURROUILH-LE JAN, F. 1980: Géochronologie (230Th-234U-238U), et sédimentologie des faciès récifaux pléistocènes à Maré, archipel des Loyauté, SW Pacifique. [Geochronology, 230Th-234U-238U, and sedimentology of Pleistocene reef facies at Mare, Loyalty Islands, SW Pacific.] (Abstr.) *Proc. 26th Int. Geol. Congr., Paris* : 654. also in : *Oceans (Fr.)* 7(4) : 347-65 (1981).
- GAVEN, C.; LAUNAY, J.; BERNAT, M. 1979: Datation de coraux dans le Sud-Ouest Pacifique par la méthode ionium-uranium : néotectonique de l'île des Pins, Nouvelle Calédonie. [Coral datation in the SW Pacific by the Io-U method : Neotectonics of Isle of Pines, New Caledonia.] *C. r. hebdom. Séanc. Acad. Sci., Paris, sér. D* 289(11) : 765-68.
- GEALEY, W.K. 1980: Ophiolite obduction mechanism. Pp 228-43 in Panayiotou, A. (ed.) "Ophiolites". Proceedings of the International Ophiolites Symposium, Nicosia, Cyprus, April 1979. (IGCP Proj. No. 39).
- GHARIB, A.; MORRIS, D.F.C. 1978: Rhenium and tungsten in nickeliferous lateritic profiles. *Mineralog. Mag.* 42(324) : 513-16.
- GILBERT, E. 1976: New Caledonia. *Min. a. Rev.* 1976 : 380-81.

- GONORD, H. 1975: La structure de la Nouvelle Calédonie : un essai de synthèse. [Structure of the New Caledonia : An attempt of synthesis.] (Abstr.) *3eme Réun. a. Sci. Terre (Progr. Résumés)* : 172.
- GONORD, H. 1977: Recherches sur la géologie de la Nouvelle Calédonie : sa place dans l'ensemble structural du Pacifique Sud-Ouest. [Research on the geology of New Caledonia : Its place in the structure of the SW Pacific.] Thèse Doct. Etat, Université de Montpellier, France, 341 p.
- GONORD, H.; LE GUERN, M. 1980: Problèmes stratigraphiques et structuraux posés par la formation volcano-sédimentaire de Poya (anciennement les basaltes paléogènes) en Nouvelle Calédonie, Pacifique Sud-Ouest. [Stratigraphic and structural problems posed by the volcano-sedimentary Poya formation – formerly Paleogene basalts – in New Caledonia, SW Pacific.] (Abstr.) *8eme Réun. a. Sci. Terre (Progr. Résumés)* : 85.
- GRANT-MACKIE, J.A. 1975: Interim report of preliminary meeting of working group, 5-15 April 1975. *IUGS/UNESCO, IGCP Proj. No. 8, Rep. 1* : 1-5.
- GRANT-MACKIE, J.A. 1975: New Zealand-New Caledonia Mesozoic correlations. *IUGS/UNESCO, IGCP Proj. No. 8, Rep. 2* : 18-24.
- GRANT-MACKIE, J.A. 1976: Report on working group meetings in New Zealand, Australia and New Caledonia. *IUGS/UNESCO, IGCP Proj. No. 8, Rep. 4* : 1-6.
- GRANT-MACKIE, J.A. 1976: Mesozoic chronostratigraphy, New Zealand-New Caledonia progress of the IGCP project. *IUGS/UNESCO, IGCP Proj. No. 8, Rep. 4* : 20.
- GRANT-MACKIE, J.A. 1976: The Upper Triassic bivalve *Monotis* in the SW Pacific. *Pacif. Geol. 11* : 47-56.
- GRANT-MACKIE, J.A. 1977: Mesozoic chronostratigraphy of New Zealand and New Caledonia. *Lethaia 10(4)* : 302.
- GRANT-MACKIE, J.A. 1978: Mesozoic chronostratigraphy of New Zealand and New Caledonia. *IUGS/UNESCO, IGCP Proj. No. 8* : 54-57.
- GRANT-MACKIE, J.A. 1980: Mesozoic correlation, New Zealand-New Caledonia. *IUGS/UNESCO, IGCP Proj. No. 8* : 45-47.
- GRANT-MACKIE, J.A. 1980: The Maorian province (Triassic-Jurassic) reconsidered. (Abstr.) *Proc. N.Z. Geol. Soc. Conf., Christchurch* : 42.
- GRANT-MACKIE, J.A.; LILLE, R. 1975: Final report of preliminary meeting of working group, 5-15 April 1975. *IUGS/UNESCO, IGCP Proj. No. 8, Rep. 2* : 1-7.
- GRANT-MACKIE, J.A.; PARIS, J.P.; FRENEIX, S.; CAMPBELL, J.D.; SPEDEN, I.G.; STEVENS, G.R. 1976: Advances in correlation of Mesozoic sequences of New Zealand and New Caledonia. (Abstr.) *Proc. 25th Int. Geol. Congr., Sydney 24(1)* : sect. 6A : 268-70.
- GREENWAY, M.E.; POSNETT, M.W.; REILLY, P.M. 1974: New Hebrides and New Caledonia (Land Resources Bibliography). Land Resources Division of the Ministry of Overseas Development, Surbiton, Surrey, U.K. No. 5 : 83 p.
- GRIFFITHS, J.R. 1975: New Zealand and the Southwest Pacific margin of Gondwanaland. Pp 619-37 in "Gondwana Geology. 3". Proceedings of a Symposium on Gondwana Stratigraphy and Palaeontology. IUGS.
- GRUPE FRANCAIS D'ETUDE DES CHROMITES (Bouladon, J.; Routhier, P. co-ords) 1980: Lithostratigraphie et déformations du complexe ophiolitique de Nouvelle Calédonie : application à la prospection des gisements de chromite podiforme. [Lithostratigraphy and deformations of the ophiolitic complex of New Caledonia : Application to the prospection of the podiform chromite deposits.] (Abstr.) In "Second International Workshop on Geology, Mineral Resources and Geophysics of the South Pacific", New Caledonia, October 1980. CCOP/SOPAC-IOC/WESTPAC.
- GUERANGE, B.; GUY, B.; LOZES, J.; FROMAGER, D. 1978: Feuille Houailou-baie Lebris et notice explicative. [Sheet Houailou-Lebris bay and explanatory note.] Carte géologique Nouvelle Calédonie, 1:50,000. BRGM, Paris.

- GUERANGE, B.; LILLE, R.; LOZES, J. 1975: Étude géologique des terrains ante-oligocènes de la chaîne centrale néo-calédonienne : stratigraphie, régimes de sédimentation, évolutions structurale et métamorphique. [Geologic study of the Pre-Oligocene terrains of the central Neo-Caledonian chain : Stratigraphy, sedimentation, structural evolution and metamorphism.] *Bull. Bur. Rech. Géol. Minier., sér. 2, Sect. 4(2)* : 121-37.
- GUERANGE, B.; LOZES, J.; AUTRAN, A. 1977: Le métamorphisme mésozoïque dans la chaîne centrale de Nouvelle Calédonie et ses implications géodynamiques dans l'évolution de l'orogénèse Rangitata au Crétacé. [Mesozoic metamorphism in the central chain of New Caledonia and its geodynamic implications in the evolution of the Rangitata orogenesis in the Cretaceous.] *Bull. Bur. Rech. Géol. Minier., sér. 2, Sect. 4(1)* : 53-68.
- GUERANGE, B.; LOZES, J.; AUTRAN, A. 1977: Mesozoic metamorphism in the New Caledonia central chain and its geodynamic implications in relation to the evolution of the Cretaceous Rangitata Orogeny. Pp 265-77 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- GUERIN, C.; WINSLOW, J.H.; PIBOULE, M.; FAURE, M. 1981: Le prétendu Rhinoceros de Nouvelle Calédonie est un marsupial (*Zygomaturus diahotensis* nov. sp.) : solution d'une énigme et conséquences paléogéographiques. [The so-called Rhinoceros from New Caledonia is a marsupial mammal, *Zygomaturus diahotensis* nov. sp. : Solution to an enigma and its palaeogeographical consequences.] *Geobios* 14(2) : 201-17.
- GUILCHER, A. 1965: Grand Récif Sud, récifs et lagon de Tuo. Pp 137-239 in "Expedition française sur les récifs coralliens de la Nouvelle Calédonie". Fondation Singer-Polignac, France.
- GUILCHER, A. 1970: L'âge absolu des chaînes insulaires et des récifs coralliens des territoires français de l'Océan Pacifique. [Absolute age of the island chains and coral reefs of the French territories in the Pacific Ocean.] In "Physical Oceanography". *Proc. Int. Geogr. Congr. 21(1)* : 214-17.
- GUILLOIN, H.J. 1974: The geology of New Caledonia and Loyalty Islands. In "Mesozoic-Cenozoic Orogenic Belts". *Spec. Publ. geol. Soc. Lond. 4* : 445-52.
- GUILLOIN, J.H. 1975: Les massifs péridotitiques de Nouvelle Calédonie : type d'appareil ultrabasique stratiforme de chaîne récente. [The New Caledonian peridotitic massifs : Type of stratiform ultramafic complex of young orogenic arc.] (Abstr.) *Cah. ORSTOM, sér. Géol. 7(1)* : 85-87.  
also in : *Mem. ORSTOM, No. 76* : 120 p.
- GUILLOIN, J.H.; LAWRENCE, L.J. 1971: Ni-Fe-Cu sulphides in New Caledonia ultramafic bodies with special reference to the Great Southeastern Massif. (Abstr.) *Proc. 12th Pacif. Sci. Congr., Canberra 1* : 425-26.
- GUILLOIN, J.H.; LAWRENCE, L.J. 1973: Ni-Fe-Cu sulphides in New Caledonia ultramafic bodies with special reference to the Great Southeastern Massif. (Abstr.) In "Metallogenic Provinces and Mineral Deposits in the SW Pacific". *Bull. Bur. Miner. Resour. Geol. Geophys. Aust. 141* : 219-20.
- GUILLOIN, J.H.; TRESCASES, J.J. 1976: Feuille Sant Louis et notice explicative. Carte géologique Nouvelle Calédonie, 1:50,000. BRGM, Paris.
- GUILLOIN, J.H.; TRESCASES, J.J.; BOSQUET, D. 1976: Feuille Prony et notice explicative. [Sheet Prony and explanatory note.] Carte géologique Nouvelle Calédonie, 1:50,000. BRGM, Paris.
- GUY, B. 1977: Nouvelles observations sur les formations du Goa N'Doro, Nouvelle Calédonie. [New observations on the formations of Goa N'Doro, New Caledonia.] Pp 283-88 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- GUY, B.; MOUTTE, J.; LAJOINIE, J.P.; VOGT, J. 1977: Evolution de la cartographie des formations superficielles des massifs de péridotites de Nouvelle Calédonie. [Development of mapping of the superficial formations of the New Caledonian peridotite massifs.] *Bull. Bur. Rech. Géol. Minier., sér. 2, Sect. 4(1)* : 37-42.

- GUY, B.; PARIS, J.P.; PRINZHOFER, A. 1979: Feuille Kouaoua et notice explicative. [Sheet Kouaoua and explanatory note.] Carte géologique Nouvelle Calédonie, 1:50,000. BRGM, Paris.
- GUY, B.; VOGT, J. 1981: Une formation continentale detritique énigmatique en Nouvelle Calédonie : la formation de Tontouta, massif de péridotites du sud. [An enigmatic detrital continental formation in New Caledonia : the Tontouta formation, southern peridotite massif.] (Abstr.) *Résumés Princ. Result. Sci. Tech. Serv. Geol. National (Paris) 1980* : 80.
- HARRINGTON, H.J. 1976: Tectonics of the Pacific basin and the Circum-Pacific rim; an annotated bibliography for the interval 1967-1975. The University of New England, Armidale, N.S.W. 202 p.
- HERBILLON, A.J. 1979: Contribution to the localization of Ni in some garnierites from New Caledonia. (Abstr.) Pp 13-14 in Chowdhury, M.K.R. *et al.* (eds) "Lateritisation Processes". Indian National Commission for IGCP, Geological Survey, India. (IGCP Proj. No. 129).
- HIMMELBERG, G.R.; PAPIKE, J.J. 1969: Coexisting amphiboles from blueschist facies metamorphic rocks. *J. Petrol.* 10(1) : 102-14.
- HIRANO, H.; OBATA, I. 1979: Shell morphology of *Nautilus pompilius* and *N. macromphalus*. *Bull. nat. Sci. Mus., Tokyo, ser. C, Geol. Paleont.* 5(3) : 113-30.
- HOLDSWORTH, B.K. 1975: Cenozoic Radiolaria biostratigraphy, Leg 30, tropical and equatorial Pacific. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project. Volume 30". Washington. (U.S. Government Printing Office) : 499-537.
- HOODEE, P. 1977: Géologie de la Nouvelle Calédonie. [Geology of New Caledonia.] *Colln Eveil No. 6*. D.E.C., Nouméa.
- ILTIS, J. 1978: Géomorphologie des îles Loyauté : un paysage d'atolls soulevés. [Geomorphology of the Loyalty Islands : A landscape of uplifted atolls.] ORSTOM, Nouméa. 67 p. (Unpubl. Rep.)
- ILTIS, J. 1980: Géomorphologie de la région du col d'Amieu - Table Unio, Nouvelle Calédonie. [Geomorphology of the region of the col d'Amieu, New Caledonia.] ORSTOM, Nouméa. 4 p. (Unpubl. Rep.)
- ILTIS, J. 1981: Géomorphologie. Carte au 1/1,000,000 et notice explicative. [Geomorphology : Map 1:1,000,000 and explanatory note. Pl. 13 in "Atlas de la Nouvelle Calédonie". ORSTOM, Paris.
- ILTIS, J. 1982: Note sur l'établissement de cartes de susceptibilité à l'érosion en Nouvelle Calédonie. [Note on the mapping of the capability to erosion in New Caledonia.] ORSTOM, Nouméa. 2 p. (Unpubl. Rep.)
- IRVINE, I. 1978: Late Pliocene-Quaternary biostratigraphy and climatic change in DSDP 208, Lord Howe Rise. In Coleman, P.J. (ed.) "Proceedings of the Second Southwest Pacific Earthscience Symposium, Sydney, December 1977". (IGCP Proj. No. 110). *Bull. Austr. Soc. explor. Geophys.* 9(3) : 146-48.
- JAFFRE, T. 1980: Etude écologique du peuplement végétal des sols dérivés de roches ultrabasiques en Nouvelle Calédonie. [Ecological study of the plant population of soils developed from ultrabasic rocks in New Caledonia.] Thèse Doct. Etat, Université de Paris-Sud (XI).  
also as : *Trav. Doc. ORSTOM 124* : 273 p.
- JAFFRE, T.; LATHAM, M. 1974: Contribution à l'étude des relations sol-végétation sur un massif de roches ultrabasiques de la côte ouest de la Nouvelle Calédonie : le Boulinda. [Contribution to the study of the relationship soil-vegetation on a massif of ultrabasic rocks of the western coast of New Caledonia : the Boulinda. *Adansonia, sér. 2, 14(3)* : 311-36.
- JAFFRE, T.; LATHAM, M.; SCHMID, M. 1977: Aspects de l'influence du minerai de nickel en Nouvelle Calédonie. [Aspects of the influence of the nickel ore in New Caledonia.] *Cah. ORSTOM 12(4)* : 307-11.

- JOHAN, Z. 1981: Genese des depots de chromite dans les complexes ophiolitiques. [Genesis of chromite deposits in ophiolite complexes.] (Abstr.) *Résumés Princ. Result. Sci. Tech. Serv. Geol. National (Paris) 1980* : 79-80.
- JOHAN, Z.; LEGENDRE, O. 1981: [Mineralogy of platinoids in chromite massifs on the ophiolites of New Caledonia.] (Abstr.) *Résumés Princ. Result. Sci. Tech. Serv. Geol. National (Paris) 1980* : 80.
- JONES, D.L.; BASSETT, R. 1975: Alteration of sediments in lower part of hole 286. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 483-88.
- JONES, J.G.; MCDUGALL, I. 1973: Geological history of Norfolk and Philip Islands, Southwest Pacific Ocean. *J. geol. Soc. Aust.* 20(3) : 239-54.
- JONGSMA, D. 1976: A review of marine geophysical investigations over the Lord Howe Rise and Norfolk Ridge. *BMR Rec.* 1976/12. (Unpubl.)
- JORDA, A. 1960: Contribution à l'étude pétrographique des roches des massifs de Koum et de la Coulée, Nouvelle Calédonie. [Contribution to the petrographic study of the rocks of the Koum and La Coulee massifs, New Caledonia.] Diplôme Etudes Supérieures, Université de Montpellier, France.
- JOURNEL, A.G. 1973: Geostatistics and sequential exploration. *Min. Engng* 25(10) : 44-48.
- KENNETT, J.P. 1973: Middle and late Cenozoic planktonic foraminiferal biostratigraphy of the Southwest Pacific, DSDP, Leg 21. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 575-639.
- KLEIN, G.deV. 1975: Depositional facies of Leg 30, Deep Sea Drilling Project sediment cores. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 423-32.
- KOCH, P. 1956: Reconnaissance des terrains houillers de la région Quaté-Goipin. [Survey of the coal fields of the Quaté-Goipin region.] Service Mines, Nouméa. 36 p. (Unpubl. Rep.)
- KOCH, P. 1957: Iles coralliennes et minéralisations en phosphate en Nouvelle Calédonie et dépendances. [Coral islands and phosphate mineraliations in New Caledonia and dependencies.] Service Mines, Nouméa. 7 p. (Unpubl. Rep.)
- KOCH, P. 1958: Hydrogéologie des îles Loyauté. [Hydrogeology of the Loyalty Islands.] *Bull. géol. Nouv.-Calédonie* 1 : 135-85.
- KROENKE, L.W. (in press): Tectonic evolution of the SW Pacific. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.*
- KROENKE, L.W.; JOUANNIC, C.; WOODWARD, P. (comps) 1983: Bathymetry of the Southwest Pacific. Chart 1 of the Geophysical Atlas of the Southwest Pacific. Scale 1:6,442,192 at 0°. 2 sheets. Mercator Projection. CCOP/SOPAC, Suva.
- LAJOINIE, J.P.; LEVY, C. 1956: Essais de localisation du nickel dans quelques types d'altération des péridotites à Madagascar et en Nouvelle Calédonie. [Attempts of localisation of the nickel in a few types of alteration of the peridotites in Madagascar and New Caledonia.] *Bull. Bur. Rech. Géol. Minier., sér. 2, Sect. 2(3)* : 185-90.
- LAJOINIE, J.P.; VOGT, J. 1978: Quelques aspects du cadre structural et de la géométrie des formations d'altération des péridotites en Nouvelle Calédonie. [Some aspects of the structural framework and geometry of weathered peridotite formations of New Caledonia.] In Goni, J. (ed.) "Colloque sur la Minéralogie, Géochimie, Géologie des Minéraux et Minerais Nickelifères Lateritiques". *Bull. Bur. Rech. Géol. Minier., sér. 2, Sect. 2(3)* : 185-90.
- LANDMESSER, C.W. 1974: Submarine geology of the eastern Coral Sea Basin, SW Pacific. Unpubl. M.Sc. thesis, University of Hawaii, Honolulu. 64 p.
- LANDMESSER, C.W.; ANDREWS, J.E.; PACKHAM, G.H. 1975: Aspects of the geology of the eastern Coral Sea and the western New Hebrides Basin. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 647-62.

- LAPOUILLE, A. 1977: Magnetic surveys over the rises and basins in the SW Pacific. Pp 15-27 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- LAPOUILLE, A. 1978: Southern New Hebrides Basin and western South-Fiji Basin as a single marginal basin. In Coleman, P.J. (ed.) "Proceedings of the Second Southwest Pacific Earthscience Symposium", Sydney, December 1977. (IGCP Proj. No. 110). *Bull. Austr. Soc. explor. Geophys.* 9(3) : 130-33.
- LAPOUILLE, A. 1982: Etude des bassins marginaux fossiles du Sud-Ouest Pacifique : bassin Nord-d'Entrecasteaux, bassin Nord-Loyauté, bassin Sud-Fidjien. [Study of fossil marginal basins of the Southwest Pacific : North d'Entrecasteaux, North-Loyalty and South-Fiji Basins.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 409-38.
- LAPOUILLE, A.; DUGAS, F. 1975: Geological evolution of New Hebrides and Loyalty areas. In "Proceedings of the First Southwest Pacific Earthscience Symposium". *Bull. Aust. Soc. explor. Geophys.* 6(2-3) : 52.
- LARUE, B.M.; DANIEL, J.; JOUANNIC, C.; RECY, J. 1977: The South Rennell Trough : evidence for a fossil spreading zone. Pp 51-62 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- LARUE, B.; DANIEL, J.; RECY, J.; DUBOIS, J. 1975: De l'existence d'une zone d'expansion fossile dans l'est de la Mer de Corail, SW Pacifique. [On the existence of a fossil expansion zone in the eastern Coral Sea.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D 281* : 1455-58.
- LATHAM, M. 1974: Nouvelle observation de la coupe de Népoui (Nouvelle Calédonie) : conséquences sur la chronologie de l'étagement des niveaux cuirassés sur les massifs de roches ultrabasiques. [New observations of the Nepoui section, New Caledonia : Consequences on the chronology of the layers of surface alteration on the massifs of ultrabasic rocks.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D 279(13)* : 1055-58.
- LATHAM, M. 1975: Carte pédologique de Nouvelle Calédonie au 1/1,000,000 et notice explicative. [Pedologic map of New Caledonia at 1:1,000,000 and explanatory note]. ORSTOM, Paris.
- LATHAM, M. 1975: On the agropedological potential of New Caledonia. (Abstr.) *Proc. 13th Pacif. Sci. Congr., Vancouver 13(1)* : 200-1.
- LATHAM, M. 1975: Géomorphologie d'un massif de roches ultrabasiques de la côte Ouest de la Nouvelle Calédonie, le Boulinda. [Geomorphology of a massif of ultrabasic rocks, the Boulinda, on the western coast of New Caledonia.] *Cah. ORSTOM, sér. Géol.* 7(1) : 17-37.
- LATHAM, M. 1975: Les sols d'un massif de roches ultrabasiques de la côte Ouest de la Nouvelle Calédonie : le Boulinda, 1ère et 2ème parties. [Soils of a massif of ultrabasic rocks of the western coast of New Caledonia : The Boulinda, parts I and II.] *Cah. ORSTOM, sér. Pédol.* 13 : 27-40; 159-72.
- LATHAM, M. 1977: On geomorphology of northern and western New Caledonian ultramafic massifs. Pp 235-44 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- LATHAM, M.; JAFFRE, T. 1975: Mining effects on botanical and pedological environment in New Caledonia. (Abstr.) *Proc. 13th Pacif. Sci. Congr., Vancouver 13(1)* : 201.
- LAUNAY, J. 1982: Morphologie et structure de l'arc insulaire des Nouvelles Hébrides dans sa terminaison sud. [Morphology and structure of the New Hebrides island arc in its southern end.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 163-78.
- LAUNAY, J. 1982: Essai de schéma tectonique de la terminaison sud de l'arc insulaire des Nouvelles Hébrides. [An attempt to a tectonic scheme of the southern end of the New Hebrides island arc.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 217-20.



- LAUNAY, J.; DUPONT, J.; LAPOUILLE, A. 1982: The Three Kings Ridge and the Norfolk Basin (SW Pacific) : An attempt at structural interpretation. *S. Pacif. mar. geol. Notes* 2(8) : 121-30.
- LAUNAY, J.; DUPONT, J.; LAPOUILLE, A.; RAVENNE, C.; DE BROIN, C.E. 1977: Seismic traverses across the northern Lord Howe Rise and comparison with the southern part (SW Pacific). Pp 155-64 in International Symposium on "Geodynamics of the South-west Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- LAUNAY, J.; DUPONT, J.; MONZIER, M.; POUTCHKOVSKY, A.; BITOUN, G. 1979: Esquisse géologique des rides et bassins sédimentaires dans la zone économique des 200 milles autour de la Nouvelle Calédonie. [Geological outline of the ridges and sedimentary basins in the 200 n.m. economic zone around New Caledonia.] ORSTOM, Nouméa. 24 p. (Unpubl. Rep.)
- LAUNAY, J.; LARUE, B.M. 1982: Présentation de la terminaison méridionale de l'arc insulaire des Nouvelles Hébrides du point de vue régional et rappel des données antérieures. [Introduction to the southern end of the New Hebrides island arc in its regional aspect with review of former data.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM* 147 : 159-61.
- LEBLANC, M. 1978: Pétrographie et géochimie des chromites de Nouvelle Calédonie : essai sur l'évolution des péridotites et la genèse des corps chromifères. [Petrography and geochemistry of the chromites of New Caledonia : Evolution of the peridotites and genesis of chromiferous bodies.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D* 287(8) : 771-74.
- LEBLANC, M. 1978: Amphiboles associées aux chromites de Nouvelle Calédonie, incidence sur les conditions de genèse. [Amphiboles associated with chromites of New Caledonia : Influence on conditions of genesis.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D* 287(12) : 1079-82.
- LEBLANC, M.; DUPUY, C.; CASSARD, D.; MOUTTE, J.; NICOLAS, A.; PRINZHOFER, A.; RABINOVITCH, M.; ROUTHIER, P. 1980: Essai sur la genèse des corps podiformes de chromite dans les péridotites ophiolitiques : étude des chromites de Nouvelle Calédonie et comparaison avec celles de Méditerranée orientale. [The genesis of podiform chromites complexes in ophiolitic peridotites : Comparison of chromites in New Caledonia and the eastern Mediterranean.] Pp 691-701 in Panayiotou, A. (ed.) "Ophiolites". Proceedings of the International Ophiolites Symposium, Nicosia, Cyprus, April 1979. (IGCP Proj. No. 39).
- LEGENDRE, O. 1982: Minéralogie et géochimie des platinoïdes dans les chromites ophiolitiques. [Mineralogy and geochemistry of the platinoïdes in the ophiolitic chromites.] Thèse Doct. 3ème Cycle, Université Pierre et Marie Curie, Paris.
- LEGUERE, J. 1976: Des corrélations entre la tectonique cassante et l'altération supergène des péridotites de Nouvelle Calédonie. [Correlations between blockfaulting and supergene alteration of peridotites in New Caledonia.] Thèse Doct. 3ème Cycle, Université de Montpellier, France. 96 p.
- LEGUERE, J. 1976: Ultramafic and related rocks from southern New Caledonia. *Bull. Bur. Rech. Géol. Minier., sér. 2, Sect. 4(1)* : 35-55.
- LE NORMAND, M.H. 1974: La Nouvelle Calédonie et les prochaines découvertes de nickel dans le monde : esquisse d'une théorie. [New Caledonia and the next discoveries of nickel in the world : Outline of a theory.] *Mines Métall.* 109 : 87-98. also in : *Ind. Min.* 25(12) : 552-60 (1974).
- LIBAUDE, J. 1975: Etude de la sulfuration d'une olivine nickelifère. Application au traitement d'un minerai garniéristique pauvre de Nouvelle Calédonie. [Study of the sulfuration of a nickeliferous olivine. Application to the processing of a poor garnieritic ore of New Caledonia.] These Ingén. Doct. 66 p.
- LILLE, R.; PARIS, J.P. 1975: Stratigraphie du Mésozoïque de Nouvelle Calédonie. [Mesozoic stratigraphy of New Caledonia.] *IUGS/UNESCO, IGCP Proj. No. 8, Rep. 2* : 11-15.

- LILLE, R.; PARIS, J.P. 1975: Quelques idées touchant la comparaison entre les sequences Mésozoïques de la Nouvelle Zélande et la Nouvelle Calédonie. [Some ideas on the comparison of Mesozoic sequences in New Zealand and New Caledonia.] *IUGS/ UNESCO, IGCP Proj. No. 8, Rep. 2* : 28.
- LILLE, R.; PARIS, J.P. 1976: Révision stratigraphique des terrains anté-éocène de Nouvelle Calédonie. [Stratigraphic revision of the pre-Eocene regions of New Caledonia.] *C. r. hebdomadaire Séances Acad. Sci., Paris, sér. D* 282(10) : 965-88.
- LILLIE, A.R. 1975: Structures in the lawsonite-glaucophane schists of New Caledonia. *Geol. Mag.* 112(3) : 225-40.
- LILLIE, A.R.; BROTHERS, R.N. 1971: Corrections and some new information on the peridotites of New Caledonia. *N.Z. J. Geol. Geophys.* 14(1) : 251-52.
- LIVERSIDGE, A. 1881: Notes upon some minerals from New Caledonia. *Proc. R. Soc. N.S.W.* 14 : 227-46.
- LOMBARDEAU, - 1860: Excursions géologiques dans le Sud de la Nouvelle Calédonie. [Geological excursions in the south of New Caledonia.] *Rev. marit. colon.* 3 : 741-66.
- LOUAT, R. 1982: Sismicité et subduction de la terminaison sud de l'arc insulaire des Nouvelles-Hébrides. [Seismicity and subduction of the southern end of the New Hebrides island arc.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM* 147 : 179-85.
- LOZES, J. 1975: Etude géologique de la chaîne centrale de Nouvelle Calédonie entre Thio and Ponérihouen. [Geological study of the central chain of New Caledonia between Thio and Ponerihouen.] Thèse Doct. 3ème Cycle, Université de Toulouse, France. 119 p.
- LOZES, J.; GUERANGE, B.; FROMAGER, D.; DOUMENGE, J.P.; SCHMID, M. 1977: Feuille Ponérihouen et notice explicative. [Sheet Ponerihouen and explanatory note.] Carte géologique Nouvelle Calédonie, 1:50,000. BRGM, Paris.
- LOZES, J.; YERLE, J.J.; SCHMID, M.; LAJOINIE, J.P.; VOGT, J. 1976: Feuille Thio et notice explicative. [Sheet Thio and explanatory note.] Carte géologique Nouvelle Calédonie, 1:50,000. BRGM, Paris.
- MAILLET, P.; MONZIER, M. 1982: Volcanisme et pétrologie des îles Matthew et Hunter : données préliminaires. [Volcanism and petrology of Matthew and Hunter Islands : preliminary data.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM* 147 : 187-215.
- MAILLET, P.; MONZIER, M.; LEFEVRE, C. 1983: Petrology of Matthew and Hunter volcanoes (South New Hebrides Island Arc.) *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 157.
- MAILLET, P.; MONZIER, M.; SELO, M.; STORZER, D. 1982: La zone d'Entrecasteaux (Sud-Ouest Pacifique) : nouvelle approche pétrologique et géochronologique. [The d'Entrecasteaux zone, SW Pacific : new petrologic and geochronologic approach.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM* 147 : 441-58.
- MALAHOFF, A.; FEDEN, R.H.; FLEMING, H.S. 1977: Crustal extension processes in the Havre Trough, South Fiji and New Caledonia basins. (Abstr.) *EOS Trans. Am. geophys. Un.* 58(6) : 379.
- MALAHOFF, A.; FEDEN, R.H.; FLEMING, H.S. 1978: Tectonic fabric and age of marginal basins north of New Zealand. (Abstr.) In Uyeda, S.; Murphy, R.W.; Kobayashi, K. (eds) "Geodynamics of the Western Pacific". Proceedings of an International Conference on the Geodynamics of the Western Pacific - Indonesian Region, Tokyo, March 1978. *Adv. Earth Planet. Sci.* 6 : 96-97.
- MALAHOFF, A.; FEDEN, R.H.; FLEMING, H.S. 1982: Magnetic anomalies and tectonic fabric of marginal basins north of New Zealand. *J. geophys. Res.* 87(B5) : 4109-25.
- MAQUET, M.; CERVELLE, B.D.; GOUET, G. 1981: Spectra of limonitic ore from New Caledonia : Application to the determination of the nickel content. *Miner. Deposita* 16(3) : 357-73.
- MARSHALL, J.F.; LAUNAY, J. 1978: Uplift rates of the Loyalty Islands as determined by <sup>230</sup>Th/<sup>234</sup>U dating of raised coral terraces. *Quat. Res.* 9(2) : 186-92.

- MASSIEUX, M. 1976: Etude des Algues calcaires de la série quaternaire traversée par le sondage Tenia, côte SW de la Nouvelle Calédonie. [Study of calcareous algae of the Quaternary series traversed by the Tenia borehole, SW coast of New Caledonia.] In "Expédition française sur les récifs coralliens de la Nouvelle Calédonie". Fondation Singer-Polignac, France. Vol. 8 : 276-88.
- MATTI, J.C.; ZEMMELS, I.; COOK, H.E. 1973: Mineralogy and mineralogic trends in sediments from the Tasman and Coral Seas, Leg 21, Deep Sea Drilling Project. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 723-50.
- MAURIZOT, P.; EBOTE, J.M. 1982: Preliminary metallogenic map of New Caledonia - Second Part : Mineral deposits nonassociated with ultrabasic rocks. *Progr. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 36.  
also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 976.
- MELONE, N.; MORESI, M. 1973: Indagini biogeochimiche su alcune conchiglie melanistiche di Noumea, Nuova Caledonia. [Biogeochemical studies on some melanistic shells from Noumea, New Caledonia.] *Atti Soc. ital. Sci. nat.* 114(4) : 500-10.
- MERCADIER, H.; COUDRAY, J.; JOSEPH, C. 1975: Dosages et corrélations aragonite-strontium dans les polypiers d'une série récifale quaternaire de Nouvelle Calédonie. [Titration and correlations aragonite-strontium in the polyps of a Quaternary reefal series from New Caledonia.] (Abstr.) *3ème Réun. a. Sci. Terre (Progr. Résumés)* : 261.
- MISSEGUE, F. 1981: Carte gravimétrique de la Nouvelle Calédonie à l'échelle du 1/1,000,000 et notice explicative. [Gravimetric map of New Caledonia at 1:1,000,000 and explanatory note. Pl. 6 in "Atlas de la Nouvelle Calédonie". ORSTOM, Paris.
- MONZIER, M. 1975: Minéraux de Nouvelle Calédonie. [Minerals of New Caledonia.] *Miner. Fossiles* 11 : 13-17.
- MONZIER, M. 1975: Manganese nodules and encrustations in the vicinity of New Caledonia and the Loyalty Islands. In Glasby, G.P.; Katz, H.R. (eds) "Marine Geological Investigations in the Southwest Pacific and Adjacent Areas". Papers presented at the I.D.O.E. Workshop, Suva, Fiji, September 1975. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 2 : 124-28.
- MORRIS, D.F.C.; GHARIB, A.; SABER, H. 1980: Distribution of lanthanum, cerium, germanium, tin, phosphorus, and sulphur in nickeliferous lateritic profiles. *Mineralog. Mag.* 43(330) : 816-20.
- MOUTTE, J. 1979: Le massif de Tiebaghi (Nouvelle Calédonie) et ses gîtes de chromite. [The Tiebaghi massif, New Caledonia, and its chromite deposits.] Thèse Doct. Ingén., E.N.S. Mines, Paris. 156 p.
- MOUTTE, J. 1980: Le massif de Tiebaghi, Nouvelle Calédonie, et ses gîtes de chromite. [The Tiebaghi massif, New Caledonia, and its chromite deposits.] (Abstr.) *Proc. 26th Int. Geol. Congr., Paris* 26(3) : 916.
- MOUTTE, J. 1982: Chromite deposits of the Tiebaghi ultramafic massif, New Caledonia. *Econ. Geol.* 77(3) : 576-91.
- MOUTTE, J.; PARIS, J.P. 1977: Anatomy and structure of the great southern massif (New Caledonia). Pp 229-34 in International Symposium on the "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- MOUTTE, J.; PARIS, J.P. 1977: Observations nouvelles sur le grand massif ultramafique du Sud de la Nouvelle Calédonie. [New observations on the major ultramafic massif of southern New Caledonia.] *Bull. Bur. Rech. Géol. Minier., sér. 2, Sect. 4(1)* : 43-51.
- NALOVIC, L.; QUANTIN, P. 1972: Evolution géochimique de quelques éléments majeurs et traces dans un sol ferralitique ferritique de Nouvelle Calédonie issu de péridotites. Interprétation d'observations faites à l'aide de la microsonde de Castaing. [Geochemical evolution of some major elements and traces in a ferritic ferralitic soil of New Caledonia originated from peridotites. Interpretation of observations made with the Castaing microsonde.] *Cah. ORSTOM, sér. Hydrol.* 6(4) : 43-85.

- NEPROCHNOV, Y.P.; MOSKALENKO, V.N.; YEL'NIKOV, I.N.; SHISHKINA, N.Z. 1976: New data on the structure of the sedimentary sequence in the Lord Howe Rise and the New Caledonian Basin. *Oceanology* 15(4) : 449-52.
- NOESMOEN, A. 1957: Mission charbon : le bassin de Moindou. [Coal mission : the Moindou basin.] BUMIFOM, Noumea. (Unpubl. Rep.)
- NOESMOEN, A. 1957: Mission charbon : le bassin de Noumea. [Coal mission : the Noumea basin.] BUMIFOM, Noumea. (Unpubl. Rep.)
- OBELLIANE, J.B. 1958: Le gisement de phosphate de Tiga. [The Tiga phosphate deposit.] Compr. fr. des phosphates d'Océanie. (Unpubl. Rep.)
- OGURA, Y.; ITO, K.; KOIDE, K.; SHIMOSAKA, K. 1979: Geochemistry and mineralogy of nickel oxide ores in the SW Pacific area. (Abstr.) Pp 24-25 in Chowdhury, M.K.R. *et al.* (Eds) "Lateritisation Processes". Indian National Commission for IGCP, Geological Survey, India. (IGCP Proj. No. 129).
- LOUDIN, E.; POUIT, G. 1978: Volcanogenic and metamorphic sulphide masses in New Caledonia. *Chron. Mines Rech. min.* 443 : 53.
- OUSTLAND, J.L. 1980: Modélisation à partir des données marines de sismique réflexion et de gravimétrie. Application à quelques exemples dans le Sud-Ouest Pacifique. [Modelisation from marine seismic refraction and gravimetry data. Application to a few examples in the SW Pacific.] Thèse Doct. 3ème Cycle, Université de Pierre et Marie Curie, Paris. 343 p.
- PACKHAM, G.H. 1975: Aspects of the geological history of the New Hebrides and South Fiji Basin. *Bull. Aust. Soc. explor. Geophys.* 6(2-3) : 50-51.
- PACKHAM, G.H.; ANDREWS, J.E. 1975: Results of Leg 30 and the geologic history of the Southwest Pacific arc and marginal sea complex. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 691-705.
- PACKHAM, G.H.; VAN DER LINGEN, G.J. 1973: Progressive carbonate diagenesis at DSDP sites 206, 207, 208, and 210 in the South Pacific and its relationship to sediment physical properties and seismic reflectors. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 495-511.
- PARENT, A. 1961: Contribution à l'étude pétrographique de la formation des tufs polychromes, Nouvelle Calédonie. [Petrography of the multicolour tuffs formations, New Caledonia.] Diplôme d'Etudes Supérieures, Université de Montpellier, France. 62 p.
- PARIS, J.P. 1977: Feuille Moindou et notice explicative. [Sheet Moindou and explanatory note.] Carte géologique Nouvelle Calédonie, 1:50,000. BRGM, Paris.
- PARIS, J.P. 1979: Les recherches pétrolières en Nouvelle Calédonie. [Oil research in New Caledonia.] BRGM, Nouméa. (Unpubl. Rep.)
- PARIS, J.P. 1980: Présentation de la carte géologique de la Nouvelle Calédonie à l'échelle du 1/200,000 et d'un mémoire de synthèse. [Introduction to the geological map of New Caledonia at 1:200,000 and to a synthesis.] (Abstr.) *Proc. 26th Int. Geol. Congr., Paris* 26(1) : 372.
- PARIS, J.P. 1980: Un trait structural majeur de la Nouvelle Calédonie : l'"Accident" ouest-calédonien, décrochement anté-sénonien, faille-flexure alpine. [A major structural feature of New Caledonia : The West Caledonian fault zone, an alpine flexure fault with pre-Senonian displacement.] (Abstr.) *Proc. 26th Int. Geol. Congr., Paris* 26(1) : 373.
- PARIS, J.P. 1981: Géologie de la Nouvelle Calédonie : un essai de synthèse. [Geology of New Caledonia : An attempt of synthesis.] Thèse Doct. Etat, *Mém. Bull. Rech. Géol. Minier.* 113 : 278 p.
- PARIS, J.P. 1981: Carte géologique de la Nouvelle Calédonie à l'échelle du 1/200,000 (en deux feuilles). [Geological map of New Caledonia at 1:200,000 in 2 sheets.] In *Mém. Bull. Rech. Géol. Minier.* 113.
- PARIS, J.P. 1981: Carte géologique de la Nouvelle Calédonie à l'échelle du 1/1,000,000 et notice explicative. [Geological map of New Caledonia at 1:1,000,000 and explanatory note.] Pl. 9 in "Atlas de la Nouvelle Calédonie". ORSTOM, Paris.

- PARIS, J.P. 1981: Carte des gîtes minéraux et substances utiles à l'échelle du 1/1.000.000 et notice explicative. [Map of mineral deposits and useful substances at 1:1,000,000 and explanatory note.] Pl. 40 in "Atlas de la Nouvelle Calédonie". ORSTOM, Paris.
- PARIS, J.P.; ANDREIEFF, P.; COUDRAY, J. 1979: Sur l'âge éocène supérieur de la mise en place de la nappe ophiolitique de Nouvelle Calédonie, une unité du charriage océanique périaustralien, déduit d'observations nouvelles sur la série de Népoui. [Upper Eocene emplacement of the ophiolitic nappe of New Caledonia, a unit of the peri-Australian oceanic overthrust, inferred from new observations on the Nepoui series.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D 288* : 1659-61.
- PARIS, J.P.; ANDREIEFF, P.; COUDRAY, J. 1980: Sur l'âge de la mise en place de la nappe ophiolitique de Nouvelle Calédonie. [On the age of the emplacement of the ophiolitic nappe of New Caledonia.] *Résumés Princ. Result. Sci. Tech. Serv. Géol. National (Paris) 1979* : 52.
- PARIS, J.P.; BRADSHAW, J.D. 1977: Paleogeography and geotectonics of New Caledonia and New Zealand in the Triassic and Jurassic. Pp 209-16 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- PARIS, J.P.; BRADSHAW, J.D. 1977: Paléogéographie et géotectonique de la Nouvelle Calédonie et de la Nouvelle Zélande au Trias et au Jurassique. [Paleogeography and geotectonics of New Caledonia and New Zealand in the Triassic and Jurassic.] *Bull. Bur. Rech., Géol. Minier., sér. 2, Sect. 4(1)* : 69-78.
- PARIS, J.P.; COLLEAU, A.; ESTERLE, M. 1982: Preliminary metallogenic map of New Caledonia : First part - Mineral deposits associated with overthrust ophiolite. *Progm. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 40. also in: *Bull. Am. Ass. Petrol. Geol. 66(7)* : 980.
- PARIS, J.P.; GUY, B.; DOUMENGE, J.P.; JEGAT, P. 1979: Feuille Canala-La Foa et notice explicative. [Sheet Canala-La Foa and explanatory note.] Carte géologique Nouvelle Calédonie, 1:50,000. BRGM, Paris.
- PARIS, J.P.; JEGAT, P.; FONQUERNIE, M.; DOUMENGE, J.P. 1977: Feuille Moindou et notice explicative. [Sheet Moindou and explanatory note.] Carte géologique Nouvelle Calédonie, 1:50,000. BRGM, Paris.
- PARIS, J.P.; LILLE, R. 1977: New Caledonia : Evolution from Permian to Miocene. Mapping data and hypotheses about geotectonics. Pp 195-208 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- PARIS, J.P.; LILLE, R. 1977: La Nouvelle Calédonie du Permien au Miocène : données cartographiques, hypothèses géotectoniques. [New Caledonia from Permian to Miocene : Cartographic data, geotectonic hypotheses.] *Bull. Bur. Rech. Géol. Minier., sér. 2, Sect. 4(1)* : 79-95.
- PARROT, J.F.; DUGAS, F. 1980: Southwest Pacific geodynamic model based on the ophiolites and ophiolite-related metamorphic rocks. (Abstr.) *Proc. 26th Int. Geol. Congr., Paris 26* : 374.
- PARROT, J.F.; DUGAS, F. 1980: The disrupted ophiolitic belt of the Southwest Pacific : Evidence of an Eocene subduction zone. *Tectonophysics 66(4)* : 349-72.
- PERSEIL, E.A. 1972: Quelques précisions sur la "lithiophorite" et "l'asbolite". [Notes on "lithiophorite" and "asbolite".] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D 275(10)* : 1019-21.
- PHARO, C.H. 1967: The geology of some islands in baie de Pritzbuier (New Caledonia). Unpubl. M.Sc. thesis, University of Auckland, New Zealand. 148 p.
- PIETSCHMANN, R.J. 1975: New Caledonia : a nickel for your thoughts. *Rocks Miner. 50(3)* : 202.
- PISANI, F. 1892: Notions minéralogiques : silicate de nickel et fer magnésien de la Nouvelle Calédonie (nickel chocolat). [Mineralogical notes : Magnesian Ni, Fe silicate "chocolate nickel".] *Bull. Soc. fr. Minér. 15* : 48-49.

- PONTOISE, B.; COLLOT, J.Y.; MISSEGUE, F.; LATHAM, G.V. 1982: Sismique refraction dans le bassin de Loyauté : résultats et discussion. [Seismic-refraction in the Loyalty Basin : Results and interpretation.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 541-48.
- POPLIN, F. 1980: *Sylviornis neocaledoniae* n.g., n.sp. (Aves) ratite éteint de la Nouvelle Calédonie. [*Sylviornis neocaledoniae* n.gen., n.sp., Aves, an extinct ratite from New Caledonia.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D 290(2)* : 691-94.
- POUTCHKOVSKY, A.; RECY, J. 1982: Les péridotites de Nouvelle Calédonie dans leur contexte régional : mise en place de la série ophiolitique et évolution des structures. Apports de la géologie terrestre et données nouvelles de microtectonique. [The peridotites of New Caledonia in the regional context : Emplacement of the ophiolitic series and structural evolution. Contributions of the onshore geology and new data of microtectonics.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 485-503.
- PRINZHOFFER, A. 1981: Structure et pétrologie d'un cortège ophiolitique : le massif du Sud, Nouvelle Calédonie. La transition manteau-croûte en milieu océanique. [Structure and petrology of the ophiolitic belt : The Southern Massif, New Caledonia. The crust-mantle transition in an oceanic environment.] Thèse Ingén. Doct., E.N.S. Mines, Paris. 306 p.
- PRINZHOFFER, A.; NICOLAS, A. 1980: Bogota peninsula (New Caledonia) : A possible oceanic transform fault. *J. Geol.* 88(4) : 387-98.
- PRINZHOFFER, A.; NICOLAS, A.; CASSARD, D.; MOUTTE, J.; LEBLANC, M.; PARIS, J.P.; RABINOVITCH, M.; ROUTHIER, P. 1980: Structures in the New Caledonia peridotites-gabbros : implications for oceanic mantle and crust. (Abstr.) *Proc. 26th Int. Geol. Congr., Paris 26* : 377.
- PRINZHOFFER, A.; NICOLAS, A.; CASSARD, D.; MOUTTE, J.; LEBLANC, M.; PARIS, J.P. RABINOVITCH, M. 1980: Structures in the New Caledonia peridotites-gabbros : Implications for oceanic mantle and crust. *Tectonophysics 69(1-2)* : 85-112.
- RAGUIN, E. 1959: Rapport géologique sur une mission en Nouvelle Calédonie. BUMIFOM, Nouméa. 24 p. (Unpubl. Rep.)
- RATTE, F. 1925: Fossils from the Upper Cretaceous of New Caledonia. *Proc. Linn. Soc. N.S.W.* 9 : 681-84.
- RAVENNE, C.; AUBERTIN, F.; LOUIS, J. 1973: Etude géologique et géophysique de la région Chesterfield-Nouvelle Calédonie-Loyaute. [Geological and geophysical study of the Chesterfield-New Caledonia-Loyalty region.] *Rep. Inst. Fr. Petrole No. 18237*. (Unpubl.)
- RAVENNE, C.; DE BROIN, C.E.; DUPONT, J.; LAPOUILLE, A.; LAUNAY, J. 1977: New Caledonia Basin - Fairway Ridge : Structural and sedimentary study. Pp 145-54 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- RAVENNE, C.; DUNAND, J.P.; DE BROIN, C.E.; AUBERTIN, F. 1982: Les bassins sédimentaires du Sud-Ouest Pacifique. [The sedimentary basins of the Southwest Pacific.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 461-77.
- RECY, J. 1982: Présentation de l'étude de la mise en place des péridotites de Nouvelle Calédonie dans leur contexte régional. [Introduction to the study of the emplacement of the peridotites of New Caledonia in their regional context.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 481-83.
- RICH, P. (in collaboration with BALQUET, C.; FLANNERY, T.; FRIMIGACCI, D.; LAUNAY, J.; RICH, T.) 1981: Kukwiede's revenge. A view into New Caledonia's distant past. *Hemisphere 26(3)* : 166-71.
- RODGERS, K.A. 1973: Uralites and uralitization in the ultramafic belt of southern New Caledonia. *Geol. Mag.* 110(2) : 125-31.
- RODGERS, K.A. 1973: Felsic plutonic rocks from the southern portion of the New Caledonian ultramafic belt. *Geol. Mag.* 110(5) : 431-46.

- RODGERS, K.A. 1973: Chrome-spinels from the Massif du Sud, southern New Caledonia. *Mineralog. Mag.* 39 (303) : 326-39.
- RODGERS, K.A. 1974: Serpentine minerals from the southern portion of the ultramafic belt of New Caledonia. *Mineralog. Mag.* 39(307) : 798-801.
- RODGERS, K.A. 1975: Lower Tertiary tholeiitic basalts from southern New Caledonia. *Mineralog. Mag.* 40(309) : 25-32.
- RODGERS, K.A. 1975: A comparison of the geology of the Papuan and New Caledonia ultramafic belts. *J. Geol.* 83(1) : 47-60.
- RODGERS, K.A. 1976: Ultramafic and related rocks from southern New Caledonia. *Bull. Bur. Rech. Geol. Minier., ser. 2, Sect. 4(1)* : 33-35.
- RODGERS, K.A. 1977: Chromite in pyroxenite from the Massif du Sud, southern New Caledonia. *Mineralog. Mag.* 41(319) : 395-97.
- RODGERS, K.A.; BEVAN, J.C. 1974: Hornblendites from the southern portion of the New Caledonian ultramafic belts. *Mineralog. Mag.* 39(308) : 890-93.
- RODRIGUEZ, G. 1955: Ressources en manganèse des Territoires français d'Outre-Mer. [Manganese resources in the French Overseas Territories.] *Echo Mines Metall.* 3840 : 291-92.
- ROUTHIER, P. 1950: Où en sont les recherches de pétrole en Nouvelle Calédonie? [What is the status of oil research in New Caledonia?] *Techn. Appl. Pétrole* 5(56-57) : 1299-1300.
- ROUTHIER, P. 1951: La Nouvelle Calédonie. [New Caledonia.] *Rev. la Nature* 3196 : 245-51.
- ROUTHIER, P. 1952: Reflexions à propos de la genèse des filons de serpentine. [On the genesis of the serpentine veins.] (Abstr.) *Proc. 19th Int. Geol. Congr., Algiers* : 36.
- SALVAT, B. 1965: Etude préliminaire de quelques fonds meubles du lagon calédonien. [Preliminary study of some sediments of the New Caledonian lagoon.] *Cah. Pacif.* - : 101-6.
- SATSUMA, A. 1969: Les gisements de nickel de la Nouvelle Calédonie. [Nickel deposits of New Caledonia.] *Mining Geol.* 19(94-95) : 175-85.
- SATSUMA, A. 1978: Nickeliferous laterite deposits in Circum-Pacific region. (Abstr.) *Proc. 2nd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : also in : *Bull. Am. Ass. Petrol. Geol.* 62(7) : 1234.
- SATSUMA, A.; HARADA, K. 1975: Mineralogical and chemical studies on nickeliferous laterite profiles of the southwestern Pacific area. Pp 215-20 in Henmi, K. (ed.) "Contributions to Clay Mineralogy". University of Tokyo, Japan.
- SCHOELLER, H.J. (reviewer); TRESCASES, J.J. Critique de "L'évolution géochimique supergène des roches ultrabasiques en zone tropicale : formation des gisements nickelifères de Nouvelle Calédonie". [Book review of "The Supergene Geochemical Evolution of the Ultrabasic Rocks in the Tropical Zone : Formation of Nickeliferous Deposits in New Caledonia."] *Earth Sci. Rev.* 12(4) : 428-30.
- SHAKIF, S. 1975: Nannofossil biostratigraphy of the Southwest Pacific, DSDP Leg 30. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 549-98.
- SHOR, G.G.; KIRK, H.K.; MENARD, H.W. 1971: Crustal structure of the Melanesian area. *J. geophys. Res.* 76(11) : 2562-86.
- STEVENS, G.R. 1977: Mesozoic biogeography of the Southwest Pacific and its relationship to plate tectonics. Pp 309-26 in International Symposium of "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- STOESER, D.B. 1975: Igneous rocks for Leg 30 of DSDP. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 401-14.
- TAYLOR, B.E.; WARD, P.D. 1980: Stable isotope and paleoecological studies of *Nautilus macrophalus*. (Abstr.) *Abstr. Progr. geol. Soc. Am.* 12(3) : 155.
- TEMPLE, P.G. 1972: Structure of island arcs bounding the Australian continental plate. *APEA Jl* 12(2) : 74-80.

- TERCINIER, G. 1972: La crandallite, phosphate naturel repandu dans les sols et souvent abondant dans les produits de remplissage des karsts. [Crandallite, a natural phosphate diffused in soils and especially abundant as a filling product of karst.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D* 274(10) : 1445-48.
- TERRILL, A. 1975: Depositional and tectonic patterns in the northern Lord Howe Rise-Mellish Rise area. *Bull. Aust. Soc. explor. Geophys.* 6(2-3) : 37-39.
- TERRILL, A. 1976: Submarine geology of the northern Lord Howe Rise-Mellish Rise area. Unpubl. M.Sc. thesis, University of Sydney, Australia. 64 p.
- TERRY, M. 1971: Mining in New Caledonia. *Aust. Min.* 63(3) : 56-58.
- TISSEAU-MOIGNARD, C. 1979: Modèles de flexure de la lithosphère sous l'effet d'une charge sédimentaire. Application au bassin de Nouvelle Calédonie, Sud-Ouest Pacifique. [Models of lithospheric flexure under a sedimentary load. Application to the New Caledonia Basin, Southwest Pacific.] Thèse Doct. 3ème Cycle, Université de Paris-Sud. 112 p.
- TOSHIO, K. 1961: A study of the so-called garnierite from New Caledonia. *Miner. J.* 3(3) : 107-21.
- TRESCASES, J.J. 1969: Données nouvelles sur la composition et la structure du grand massif péridotitique du sud de la Nouvelle Calédonie. [New data on the composition and structure of the great peridotitic massif of southern New Caledonia.] *Cah. ORSTOM, sér. Géol.* 1(1) : 7-25.
- TRESCASES, J.J. 1969: Premières observations sur l'altération des péridotites de Nouvelle Calédonie; pédologie, géochimie, géomorphologie. [Preliminary observations on the weathering of peridotites in New Caledonia; pedology, geochemistry and geomorphology.] *Cah. ORSTOM, sér. Géol.* 1(1) : 27-57.
- TRESCASES, J.J. 1971: Weathering and geochemical behaviour of the elements of ultramafic rocks in New Caledonia. (Abstr.) *Proc. 12th Pacif. Sci. Congr., Canberra* 12(1) : 248.
- TRESCASES, J.J. 1973: La cartographie géologique des formations superficielles en Nouvelle Calédonie. [Geologic cartography of surficial sediments in New Caledonia.] *Bull. Ass. Fr. Etude Quat.* 36 : 29-32.
- TRESCASES, J.J. 1974: Geochemistry of waters as related to weathered ultramafic rocks in New Caledonia. (Abstr.) Pp 17-18 in Proceedings of an International Symposium on "Waterrock Interaction". Geological Survey of Czechoslovakia.
- TRESCASES, J.J. 1974: Concentrations des solutions intra- et intercrystallines dans l'altération des roches ultrabasiqes en Nouvelle Calédonie. [Concentration of intra - and intercrystalline solutions in the alteration of ultrabasic rocks of New Caledonia.] (Abstr.) *2ème Réun. a. Sci. Terre (Progr. Résumés)* : 374.
- TRESCASES, J.J. 1975: L'évolution géochimique supergène des roches ultra-basiqes en zone tropicale et la formation des gisements nickelifères de Nouvelle Calédonie. [The supergene geochemical evolution of ultramafic rocks in a tropical zone and the genesis of nickeliferous ore deposits in New Caledonia.] Thèse Doct. Etat, Université de Strasbourg, France. *Mem. ORSTOM No. 78.* 278 p.
- TRESCASES, J.J. 1975: Weathering of peridotites and genesis of nickel ore deposits in New Caledonia. (Abstr.) *Kolloq. Genet. Technol. Probl. Erzlagerstätten, Clausthal-Zellerfeld, Clausthal - GDMB Lagerstätten Ausschuss* : 5.
- TRESCASES, J.J.; GUILLON, J.H.; BOSQUET, D. 1977: Feuille Yate et notice explicative. [Sheet Yate and explanatory note.] Carte géologique Nouvelle Calédonie, 1:50,000. BRGM, Paris.
- TROLY, G.; ESTERLE, M.; PELLETIER, B.G.; REIBELL, W. 1979: Nickel deposits in New Caledonia : Some factors influencing their formation. Pp 85-117 in Evans, D.J.I.; Shoemaker, R.S.; Veltman, H. (eds) "Proceedings of an International Laterite Symposium, New Orleans, February 1979." American Institute of Mining and Metallurgy and Petroleum Engineering Society of Mining Engineers.
- URBAIN, D. 1979: . . . [Two aspects of feasibility studies market research and technical examination : Bauxites in French Guiana, chromite in New Caledonia.] *Ind. Miner.* 61(1) : 71-78.



- VAN DER LINGEN, G.J. 1973: Ichnofossils in deep-sea cores from the Southwest Pacific. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 693-700.
- VAN DER LINGEN, G.J.; ANDREWS, J.E.; BURNS, R.E. *et al.* 1973: Lithostratigraphy of eight drill sites in the Southwest Pacific - Preliminary results of Leg 21 of the Deep Sea Drilling Project. Pp 299-313 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- VANIER, J.; MENDOZA, C.F. 1970: Geophysical exploration in nickeliferous laterite deposits. *J. geol. Soc. Philipp.* 24(4) : 20-28.
- VON HERZEN, R.P. 1973: Geothermal measurements, Leg 21, DSDP. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 443-57.
- WANG, K.P. 1980: Mineral economics of nickel in the Pacific Basin : A commodity review of interest to ESCAP. In "Proceedings of the 6th Session of the Committee on Natural Resources of ESCAP, New York, October-November 1979." *U.N. ESCAP, Miner. Resour. Div. Ser.* 47 : 64-72.
- WARD, P.D. 1980: Feeding behaviour and prey sources of *Nautilus macromphalus*, and implications for feeding behaviour of Jurassic and Cretaceous ammonites. (Abstr.) *Abstr. Progr. geol. Soc. Am.* 12(7) : 545.
- WATERHOUSE, J.B. 1971: The Permian-Triassic boundary in New Zealand and New Caledonia and its relationship to world climatic changes and extinction of Permian life. (Abstr.) *Bull. Can. Soc. Petrol. Geol.* 19(2) : 327-73.
- WATERHOUSE, J.B. 1973: The Permian-Triassic boundary in New Zealand and New Caledonia and its relationship to world climatic changes and extinction of Permian life. In "Proceedings of an International Permian-Triassic Conference, Calgary, Canada, August 1971." *Mem. Can. Soc. Petrol. Geol.* 2 : 445-64.
- WEBB, P.N. 1973: Preliminary comments on the Maastrichtian-Paleocene Foraminifera from Lord Howe Rise, Tasman Sea. Pp 321-24 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- WEBB, P.N. 1973: Upper Cretaceous-Paleocene Foraminifera from site 208 (Lord Howe Rise, Tasman Sea), DSDP Leg 21. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 541-73.
- ZEMMELS, I.; COOK, H.E.; MATTI, J.C. 1975: X-ray mineralogy data, Tasman Sea and far western Pacific, Leg 30, DSDP. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 603-16.

**BIBLIOGRAPHY OF GEOLOGY  
AND GEOPHYSICS OF  
OFFSHORE NEW ZEALAND  
(north of 40°S)**

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This geological and geophysical bibliographic compilation of northern offshore New Zealand extends to 40°S. It also includes articles related to New Zealand's offshore islands within this area. Included also is the Norfolk Ridge, the southern part of the Lord Howe Rise, the Tonga-Kermadec subduction arc, and the main articles on the South Fiji Basin. There may, however, be some articles herein which deal with the Taupo Volcanic Zone where they mention, or are linked to, plate tectonics within the area. Harbours are not included.

Other bibliographies which could be used in conjunction with this work include –

- ADKIN, G.L.; COLLINS, B.W.; 1967: A bibliography of New Zealand geology to 1950. *Bull. N.Z. geol. Surv.* 65 : 244 p.
- WARREN, G.; SPEDEN, I. *et al.* (comps) 1977: A bibliography of New Zealand geology 1951–1969. *Bull. N.Z. geol. Surv.* 93 : 193 p.
- LEWIS, V.J. 1977: Bibliography of New Zealand submarine geology 1866–1969. *Mem. N.Z. oceanogr. Inst.* 64 : 32 p.

Items which appear in Lewis (above) are not repeated here. References up to February 1983 are included as well as those abstracts published at the 15th Pacific Science Congress held in Dunedin the same month.

Some of the references listed came from abstracting journals and have not been seen. Others were located by a systematic manual search of relevant journals in the library at the N.Z. Oceanographic Institute while others were brought to notice through computer data-base searches.

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## OFFSHORE NEW ZEALAND (north of 40°S)

- ADAMS, J. 1979: Sediment loads of North Island rivers, New Zealand – a reconnaissance. *J. Hydrol.* 18 : 36–48.
- ADAMS, R.D. 1967: Seismological studies of the Raoul Island eruption, 1964. *N.Z. Jl Geol. Geophys.* 10(6) : 1348–61.
- ADAMS, R.D. 1972: An earthquake to the north-west of New Zealand. (Note) *N.Z. Jl Geol. Geophys.* 15(4) : 674–77.
- ADAMS, R.D.; FERRIS, B.G. 1976: A further earthquake at exceptional depth beneath New Zealand. (Note) *N.Z. Jl Geol. Geophys.* 19(2) : 269–73.
- ALTMAN, L.W. 1978: Distribution of stress in the oceanic lithosphere beneath the Lau-Havre Basin. Unpubl. M.Sc. thesis, Texas A & M University, College Station, Texas.
- ANDERTON, P.W. 1981: Structural evolution of the South Wanganui Bight. *N.Z. Jl Geol. Geophys.* 24 : 39–63.
- ANDREWS, J.E. 1973: Correlation of seismic reflectors. In Burns, R.E.; Andrews, J.E. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 459–80.
- ANDREWS, J.E. 1974: Deep Sea Drilling Project : Leg 21, Tasman Sea-Coral Sea, Preliminary Results. Pp 185–99 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- ANDREWS, J.E.; EADE, J.V. 1973: Structure of the western continental margin, New Zealand, and Challenger Plateau, eastern Tasman Sea. *Bull. geol. Soc. Am.* 84 : 3093–4000.
- ANDREWS, J.E.; PACKHAM, G.H. et al. 1973: Southwest Pacific structures : Leg 30 : Deep Sea Drilling Project. *Geotimes* 15(9) : 18–21.
- ANDREWS, J.E.; PACKHAM, G.H. et al. 1975: Site 285. In Andrews, J.E.; Packham, G.H. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 27–68.
- ANON. 1950: Sondages dans la Fosse des Kermadec. *Bull. Inf. Com. cent. Oceanogr. Etude Côtes* 2(8) : 302.
- ANON. 1977: A review of marine geophysical investigations over the Lord Howe Rise and Norfolk Ridge. *BMR Rec.* 75/12.
- ANON. 1977: A groundwater investigation on Norfolk Island. *BMR Rec.* 76/62.
- ANON. 1979: Summary report of the *Sonne* southeast Asia cruise SO-7, 1978. *CCOP Newsl.* 6(3) : 19–21.
- ANON. 1980: Seismic events – Earthquakes Santa Cruz Is., Aegean Sea, Kermadec Is., Papua New Guinea, Kentucky, Nepal-India. *SEAN Bull.* 5(7) : 14.
- ANON. 1980: Geologic event July 14 (earthquake in the Kermadec Islands). *Geotimes* 25(10) : 24.
- ARRON, E.S.; DOYLE, A.C. 1983: Mokau Sediments. *N.Z. oceanogr. Inst. Chart, Coastal Ser.* 1:200,000.
- AVIAS, J. 1973: Major features of the New Guinea-Louisiade-New Caledonia-Norfolk arc system. Pp 113–26 in Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- BACKER, H.; GLASBY, G.P.; MEYLAN, M.A. 1976: Manganese nodules from the South-western Pacific Basin. *NZOI oceanogr. Fld Rep.* 6 : 88 p.
- BADGLEY, P.C. 1965: "Structural and Tectonic Principles". Harper & Row, New York. 521 p.
- BALLANCE, P.F. 1976: Evolution of the Upper Cenozoic Magmatic Arc and plate boundary in northern New Zealand. *Earth Planet. Sci. Lett.* 28 : 356–70.
- BALLANCE, P.F.; PETTINGA, J.R.; WEBB, C. 1982: A model of the Cenozoic evolution of northern New Zealand and adjacent areas of the Southwest Pacific. *Tectonophysics* 87 : 37–48.
- BALLANCE, P.F.; SPORLI, K.B. 1979: Northland Allochthon. *Jl R. Soc. N.Z.* 9 : 259–75.
- BARAZANGI, M.; ISACKS, B.C.; OLIVER, J.; DUBOIS, J.; PASCAL, G. 1978: Descent of lithosphere beneath New Hebrides, Tonga-Fiji and New Zealand : Evidence for detached slabs. *Nature, Lond.* 242(5393) : 98–101.

- BARRON, E.J.; HARRISON, C.G.A. 1979: Reconstruction of the Campbell Plateau and the Lord Howe Rise. *Earth Planet. Sci. Lett.* 45(1) : 87-92.
- BARRON, E.J.; HARRISON, C.G.A.; HAY, W.W. 1978: A revised reconstruction of the southern continents. *EOS Trans. Am. geophys. Un.* 59(5) : 436-49.
- BARTRUM, J.A. 1921: Notes on the geology of Great Barrier Island, New Zealand. *Trans. Proc. N.Z. Inst.* 53 : 115-27.
- BARTRUM, J.A. 1924: A summary of the characters of the igneous rocks of Whangarei and Bay of Islands district, New Zealand. *Rep. Australas. Ass. Advmt. Sci.* 16 : 346.
- BARTRUM, J.A. 1926: The pantelleritic rocks of Mayor Island, Bay of Plenty, New Zealand. *N.Z. Jl Sci. Technol.* 8(4) : 214-23.
- BARTRUM, J.A. 1926: White Island volcano. *N.Z. Jl Sci. Technol.* 8(5) : 261-66.
- BARTRUM, J.A. 1927: White Island volcano. *Geogr. Rev.* 17 : 696.
- BARTRUM, J.A. 1936: Notes on the geology of Three Kings and other outlying islands of northern New Zealand. *N.Z. Jl Sci. Technol.* 18(6) : 520-30.
- BARTRUM, J.A. 1948: Report on rocks collected by Mr G.A. Buddle from islands of the Three Kings Group. *Rec. Auckland Inst. Mus.* 3(405) : 205-6.
- BATTEY, M.H. 1951: Notes to accompany a topographical and a provisional geological map of Great Island, Three Kings Group. *Rec. Auckland Inst. Mus.* 4(5) : 263-66.
- BATTEY, M.H. 1956: The petrogenesis of spilitic rock series from New Zealand. *Geol. Mag.* 93(2) : 89-110.
- BELIN, R.E.; STEINER, A. 1959: Some observations on the radio-activity of Ngauruhoe and White Island lavas. *N.Z. Jl Geol. Geophys.* 2(1) : 177-82.
- BENNETT, M.C. 1976: The ultramafic-mafic complex at North Cape, northernmost New Zealand. *Geol. Mag.* 113(1) : 61-76.
- BENTZ, F.P. 1974: Marine geology of the southern Lord Howe Rise, Southwest Pacific. Pp 537-48 in Burk, C.A.; Drake, C.L. (eds) "The Geology of Continental Margins". Springer-Verlag, New York. 1009 p.
- BIBBY, H.M. 1981: Geodetically determined strain across the southern end of the Tonga-Kermadec-Hikurangi subduction zone. *Geophys. J. R. astr. Soc.* 66(3) : 513-33.
- BILLINGTON, S. 1980: The morphology and tectonics of the subducted lithosphere in the Tonga-Fiji-Kermadec region from seismicity and focal mechanism solutions. Unpubl. Ph.D. thesis, Cornell University, Ithaca, New York.
- BILLINGTON, S.; ISACKS, B.L. 1978: Configuration of the subducted slab in the Tonga-Fiji-Kermadec region and its tectonic implications. *EOS Trans. Am. geophys. Un.* 59(4) : 381.
- BLACK, P.M. (19--): Geology of Cuvier Island and Paritu, Coromandel. Unpubl. M.Sc. thesis, Geology Department, Auckland University, New Zealand.
- BLACK, P.M. 1970: Observations on White Island volcano, New Zealand. *Bull. volcan.* 34(1) : 158-67.
- BLACK, P.M. 1971: Tourmalines from Cuvier Island, New Zealand. *Mineralog. Mag.* 38 : 374-76.
- BRODIE, J.W. 1965: Capricorn Seamount, Southwest Pacific Ocean. *Trans. R. Soc. N.Z., Geol.* 3(1) : 151-58.
- BRODIE, J.W. 1973: The ocean environment. Pp 61-92 in Williams, G.L. (ed.) "Natural History of New Zealand". Reed, Wellington. 434 p.
- BROTHERS, R.N. 1957: The volcanic domes of Mayor Island, New Zealand. *Trans. R. Soc. N.Z.* 84 : 549-60.
- BROTHERS, R.N. 1967: Andesite from Rumble III volcano, Kermadec Ridge, Southwest Pacific. *Bull. volcan.* 31(3) : 17-29.
- BROTHERS, R.N. 1970: Petrochemical affinities of volcanic rocks from the Tonga-Kermadec Island Arc, Southwest Pacific. *Bull. volcan.* 34(1) : 309-29.
- BROTHERS, R.N.; DELAYLERGE, M. 1982: Obducted ophiolites of North Island, New Zealand : Origin, age emplacement and tectonic implication for Tertiary and Quaternary volcanicity. *N.Z. Jl Geol. Geophys.* 25 : 257-74.

- BROTHERS, R.N.; HAWKE, M.M. 1981: Thew tholeiitic Kermadec Volcanic Suite : Additional field and petrological data including iron-enriched plagioclase feldspars. *N.Z. Jl Geol. Geophys.* 24(2) : 167-75.
- BROTHERS, R.N.; HAWKE, M.M.; HEMING, R.F. 1979: The tholeiitic Kermadec Volcanic Suite : Additional petrological data. In "Nelson Conference, Geological Survey of New Zealand". Geological Society of New Zealand. 21 p.
- BROTHERS, R.N.; HEMING, R.F.; HAWKE, M.M.; DAVEY, F.J. 1980: Tholeiitic basalt from the Monowai Seamount, Tonga-Kermadec Ridge. (Note) *N.Z. Jl Geol. Geophys.* 23(4) : 537-39.
- BROTHERS, R.N.; HOPKINS, J.C. 1963: Igneous rocks and hornfels from the Hen and Chickens Islands. *Trans. R. Soc. N.Z., Geol.* 5 : 123-29.
- BROTHERS, R.N.; MARTIN, K.R. 1970: The geology of Macauley Island, Kermadec Group, South-west Pacific. *Bull. volcan.* 34 : 330-46.
- BROTHERS, R.N.; SEARLE, E.J. 1970: The geology of Raoul Island, Kermadec Group, South-west Pacific. *Bull. volcan.* 34 : 7-37.
- BROWNE, P.R.L.; COLE, J.W. 1973: Surveillance of White Island volcano, 1968-1972. Part 2 - Ground temperature variation between 1 September 1969 and 1 December 1971. *N.Z. Jl Geol. Geophys.* 16(4) : 959-63.
- BROWNE, P.R.L.; WOOD, C.P. 1972: Garnet-bearing sands from the east coast, North Island, New Zealand. *N.Z. Jl Geol. Geophys.* 15(4) : 649-59.
- BRUNN, A.F.; KILLERICH, A. 1955: Characteristics of the water masses of the Philippine, Kermadec and Tonga Trenches. *Deep-Sea Res., Suppl. to 3* : 418-25.
- BRYAN, W.B. 1979: Low-K<sub>2</sub>O dacite from the Tonga-Kermadec Island Arc; petrography, chemistry, and petrogenesis. Pp 581-600 in Barker, P. (ed.) "Trondhjemites, Dacites, and Related Rocks". Elsevier Scientific Publishing Co., Amsterdam.
- BUCK, M.D. 1978: Pyroclastic deposits on Mayor Island, Bay of Plenty, New Zealand. Unpubl. M.Sc. thesis, University of Waikato, Hamilton.
- BUCK, M.D. (in press): Peralkaline ignimbrite sequences on Mayor Island, New Zealand : Additions to the idealised model for pyroclastic flows. In Self, S.; Sparks, R.S.J. (eds) "Tephra Studies". *NATO Adv. Stud. Inst., ser. C* : 337-46.
- BUCK, M.D.; BRIGGS, R.M.; NELSON, C.S. 1981: Contemporaneous plinian pumice and ignimbrite eruptions from separate vents, and Rotoma Ash, on Mayor Island. (Abstr.) *Prog. Abstr. geol. Soc. N.Z.* 1981 : 21.
- BUCK, M.D.; BRIGGS, R.M.; NELSON, C.S. 1981: Pyroclastic deposits and volcanic history of Mayor Island. *N.Z. Jl Geol. Geophys.* 24(4) : 449-67.
- BUKRY, D. 1973: Coccolith and silicoflagellate stratigraphy, Tasman Sea and southwestern Pacific Ocean, Deep Sea Drilling Project, Leg 21. In Burns, R.E.; Andrews, J.E. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 885-94.
- BURGESS, J.S. 1970: Coastline changes near Wanganui, New Zealand. *Proc. N.Z. geogr. Conf.* 6 : 104-10.
- BURGESS, J.S. 1971: Coastline change at Wanganui, New Zealand. Unpubl. Ph.D. thesis, University of Canterbury, Christchurch.
- BURNS, D.A. 1972: Discoasters in Holocene sediments, Southwest Pacific Ocean. *Mar. Geol.* 12 : 301-6.
- BURNS, D.A. 1973: The latitudinal distribution and significance of calcareous nanofossils in the bottom sediments of the South-west Pacific Ocean (Lat. 15-55°S) around New Zealand. Pp 221-28 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- BURNS, D.A. 1974: Changes in the carbonate component of Recent sediments with depth : A guide to paleoenvironmental interpretation. *Mar. Geol.* 16 : M13-M19.
- BURNS, D.A. 1975: The abundance and species composition of nanofossil assemblages in sediments from continental shelf to offshore basin, western Tasman Sea. *Deep-Sea Res.* 22 : 425-31.

- BURNS, D.A. 1977: Major features of oceanographic development of the Southeast Indian and Southwest Pacific Oceans interpreted from microfossil evidence. *Mar. Geol.* 25 : 35-59.
- BURNS, R.E.; ANDREWS, J.E. *et al.* 1973: "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 973 p.
- BURNS, R.E.; ANDREWS, J.E. 1973: Regional aspects of deep sea drilling in the Southwest Pacific. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 897-906.
- CARTER, L. 1974: Beyond New Zealand's shores. *B.P. Recorder* 149 : 1-6.
- CARTER, L. 1975: Sedimentation on the continental terrace around New Zealand : A review. *Mar. Geol.* 19 : 209-37.
- CARTER, L. 1976: Cuvier Bathymetry. *N.Z. oceanogr. Inst. Chart, Coastal Ser. 1:200,000.*
- CARTER, L. 1980: Ironsand in continental shelf sediments off western New Zealand - A synopsis. *N.Z. Jl Geol. Geophys.* 23(4) : 455-68.
- CARTER, L. 1980: The seafloor along selected routes between Australia, New Zealand and Hawaii. *NZOI oceanogr. Summ.* 16 : 20 p.
- CARTER, L. 1980: New Zealand region bathymetry, 2nd edition, 1:6,000,000. *N.Z. oceanogr. Inst. Chart, Misc. Ser. 15.*
- CARTER, L. 1981: Minerals beneath the sea. *B.P. Recorder* 171 : 8-14.
- CARTER, L.; EADE, J.V. 1979: New Zealand region physiography, 1:4,000,000. *N.Z. oceanogr. Inst. Chart, Misc. Ser. 51.*
- CARTER, L.; EADE, J.V. 1980: Hauraki Sediments. *N.Z. oceanogr. Inst. Chart, Coastal Ser. 1:200,000.*
- CARTER, L.; EADE, J.V.; MITCHELL, J.S.; REES, B.J. 1977: A morphologic guide to the continental-oceanic crustal boundary around New Zealand. *NZOI oceanogr. Summ.* 13 : 18 p.
- CARTER, L.; HEATH, R.A. 1975: Role of mean circulation, tides, and waves in the transport of bottom sediment on the New Zealand continental shelf. *N.Z. Jl mar. Freshwat. Res.* 7(4) : 423-48.
- CARTER, L.; LEWIS, K.B. 1976: Subsurface structure and its influence on nearshore sedimentation off southern Hawkes Bay. *NZOI Rec.* 3 : 33-40.
- CAS, R.A.F.; JONES, J.G. 1979: Paleozoic interarc basin in eastern Australia and a modern New Zealand analogue. *N.Z. Jl Geol. Geophys.* 22(1) : 71-85.
- CHALLIS, G.A. 1974: Gemstones and minerals (1). *N.Z. Nature Heritage* 3(40) : 1097-1108.
- CHALLIS, G.A. 1974: Gemstones and minerals (2). *N.Z. Nature Heritage* 3(41) : 1145-52.
- CHAPMAN, F. 1906: On some Foraminifera and Ostracoda obtained off Great Barrier Island, New Zealand. *Trans. Proc. N.Z. Inst.* 38 : 77-112.
- CHAPPELL, J.M.A. 1964: The Quaternary geology of the South-west Auckland - North Taranaki coastal region. Unpubl. M.Sc. thesis, Geology Department, Auckland University, New Zealand.
- CHAPPELL, J. 1975: Upper Quaternary warping and uplift rates in the Bay of Plenty and west coast, North Island. *N.Z. Jl Geol. Geophys.* 18(1) : 129-55.
- CHRISTIE, A.B. 1979: Sedimentary structures in Quaternary iron sands at Waikato North Head, New Zealand. *N.Z. Jl Geol. Geophys.* 22(2) : 213-26.
- CHRISTOFFEL, D.A. 1983: Predicting eruptions on White Island by monitoring magnetic changes. *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 43.
- CHURKIN, M.; PACKHAM, G.H. 1973: Volcanic rocks and volcanic constituents in sediments, Leg 21, Deep Sea Drilling Project. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 481-94.
- CLARK, R.H. 1970: Volcanic activity on White Island, Bay of Plenty, 1966-69. Part 1 - Chronology and crater floor level changes. *N.Z. Jl Geol. Geophys.* 13(3) : 565-74.
- CLARK, R.H. 1973: Surveillance of White Island volcano, 1968-1972. Part 1 - Volcanic events and deformation of the crater floor. *N.Z. Jl Geol. Geophys.* 16(4) : 949-57.

- CLARK, R.H.; COLE, J.W.; NAIRN, I.A.; WOOD, C.P. 1979: Magmatic eruption of White Island volcano, New Zealand, December 1976–April 1977. *N.Z. Jl Geol. Geophys.* 22(2) : 175–90.
- CLARKE, J.A.; LINGLE, C.S. 1979: Predicted relative sea-level changes (18,000 years B.P. to present) caused by late-glacial retreat of the Antarctic ice sheet. *Quat. Res.* 11 : 279–98.
- CODY, A.D.; GRAMMER, T.R. 1979: Magnesian halotrichite from White Island. *N.Z. Jl Geol. Geophys.* 22(4) : 495–98.
- COLE, J.W. 1974: Volcanoes (1). *N.Z. Nature Heritage* 2(30) : 824–30.
- COLE, J.W. 1974: Volcanoes (2). *N.Z. Nature Heritage* 3(1) : 862–70.
- COLE, J.W. 1978: Tectonic setting of Mayor Island volcano. *N.Z. Jl Geol. Geophys.* 21(5) : 645–48.
- COLE, J.W.; LEWIS, K.B. 1981: Evolution of the Taupo-Hikurangi subduction system. *Tectonophysics* 72(1-2) : 1–21.
- COOPER, R.A. 1975: New Zealand and south-east Australia in the early Paleozoic. *N.Z. Jl Geol. Geophys.* 18(1) : 1–20.
- COOPER, R.S.; SEARLE, E.J. 1970: Geology of Berghan Point, Northland. *N.Z. Jl Geol. Geophys.* 13(3) : 592–609.
- COOTE, G.E.; LEACH, B.F. 1983: Depth profiles of sodium in artificially hydrated Mayor Island obsidian. *Progrm. Abstr. 15th Pacific Sci. Congr., Dunedin* : 47.
- COTTON, C.A. 1941: Some volcanic landforms in New Zealand. *J. Geomorph.* 4(4) : 297–306.
- COTTON, C.A. 1958: The rim of the Pacific. *Geogr J.* 124(2) : 223–31.
- COVEY, W.P. 1971: Late Cretaceous to Quaternary sedimentary development of the Lord Howe Rise and the Dampier Ridge. Unpubl. M.Sc. thesis, University of Hawaii, Honolulu, 67 p.
- COX, A. 1971: Remnant magnetisation and susceptibility of late Cenozoic rocks from New Zealand. *N.Z. Jl Geol. Geophys.* 14(1) : 192–207.
- CRADDOCK, C. 1975: Tectonic evolution at the Pacific margin of Gondwanaland. Pp 609–18 in Campbell, K.S.W. "Gondwana Geology". Australian National University, Canberra.
- CRONAN, D.S.; GLASBY, G.P.; MOORBY, S.A.; THOMSON, J.; KNEDLER, K.E.; MCDUGALL, J.C. 1982: A submarine hydrothermal manganese deposit from the South-west Pacific Island Arc. *Nature, Lond.* 298(5873) : 456–58.
- CULLEN, D.J. 1970: A tectonic analysis of the South-west Pacific. *N.Z. Jl Geol. Geophys.* 13(1) : 7–20.
- CULLEN, D.J. 1970: Tectonic map of the South-west Pacific, 1:10,000,000. *N.Z. oceanogr. Inst. Chart, Misc. Ser.* 20.
- CULLEN, D.J. 1976: The sea floor. Pp 80–81 in Wards, I. (ed.) "New Zealand Atlas". Government Printer, Wellington.
- CULLEN, D.J. 1977: East Cape Bathymetry. *N.Z. oceanogr. Inst. Chart, Coastal Ser.* 1:200,000.
- CULLEN, D.J. 1978: Submarine morphology and geology of the New Zealand region. Pp 2–10 in Suggate, R.P.; Stevens, G.R.; Te Punga, M.T. (eds) "The Geology of New Zealand". Government Printer, Wellington. 2 vols. 820 p.
- DAVEY, F.J. 1973: Gravity and magnetic measurements over Aotea Seamount, eastern Tasman Sea. (Note) *N.Z. Jl Geol. Geophys.* 16(4) : 1047–54.
- DAVEY, F.J. 1973: Magnetic anomalies off the west coast of the North Island, New Zealand. (Abstr.) P. 335 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- DAVEY, F.J. 1974: Magnetic anomalies off the west coast of Northland, New Zealand. *Jl R. Soc. N.Z.* 4(2) : 203–16.
- DAVEY, F.J. 1976: The normal geomagnetic field in the vicinity of New Zealand. *N.Z. Jl Geol. Geophys.* 19(6) : 759–69.
- DAVEY, F.J. 1977: Marine seismic measurements in the New Zealand region. *N.Z. Jl Geol. Geophys.* 20(4) : 719–77.



- DAVEY, F.J. 1979: Volcanic activity of the Monowai Seamount during 1977-1979. *N.Z. volc. Rec.* 9 : 53-54.
- DAVEY, F.J. 1979: The history of the South Fiji Basin. (Abstr.) *In* Workshop on "Geodynamics of the Kaikoura Orogeny". Wellington.
- DAVEY, F.J. 1980: The Monowai Seamount; an active submarine volcanic centre on the Tonga-Kermadec Ridge. (Note) *N.Z. Jl Geol. Geophys.* 23(4) : 533-36.
- DAVEY, F.J. 1982: The structure of the South Fiji Basin. *Tectonophysics* 87(1-4) : 185-241.
- DAVEY, F.J.; ROBINSON, A.C. 1978: Cook (1st Edition) Magnetic Total Force Anomaly Map, Oceanic Series 1:1,000,000. Department of Scientific and Industrial Research, Wellington, N.Z.
- DENHAM, R.N.; BANNISTER, R.W.; GUTHRIE, K.M.; BROWNING, D.G. 1978: Underwater acoustic signals from a Kermadec Ridge earthquake. *N.Z. Jl Geol. Geophys.* 21(5) : 545-48.
- DOYLE, A.C.; ARRON, E.S. 1982: Raglan Sediments. *N.Z. oceanogr. Inst. Chart, Coastal Ser. 1:200,000.*
- DOYLE, A.C.; CARTER, L.; GLASBY, G.P.; LEWIS, K.B. 1979: Bay of Plenty Sediments. *N.Z. oceanogr. Inst. Chart, Coastal Ser. 1:200,000.*
- DOYLE, A.C.; SINGLETON, R.J.; YALDWYN, J.C. 1979: Volcanic activity and recent uplift on Curtis and Cheeseman Islands, Kermadec Group, Southwest Pacific. *Jl R. Soc. N.Z.* 9(1) : 123-40.
- DRAKE, L.A. 1973: Rayleigh and Love waves in the Tasman Basin. *N.Z. Jl Geol. Geophys.* 16(4) : 997-1007.
- DUMITRICA, P. 1973: Phaeodarian Radiolaria in Southwest Pacific sediments cored during Leg 21 of the Deep Sea Drilling Project. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 751-86.
- DUMITRICA, P. 1973: Neozoic endoskeletal dinoflagellates in Southwestern Pacific sediments cored in Leg 21 of the Deep Sea Drilling Project. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 819-36.
- DUMITRICA, P. 1973: Paleocene, Late Oligocene and post-Oligocene silicoflagellates in Southwestern Pacific sediments cored on DSDP Leg 21. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 837-84.
- DUNCAN, A.R. 1970: Petrology of rock samples from seamounts near White Island, Bay of Plenty. *N.Z. Jl Geol. Geophys.* 13(3) : 690-96.
- DUNCAN, A.R. 1970: The petrology and petrochemistry of andesite and dacite volcanoes in eastern Bay of Plenty, New Zealand. Unpubl. Ph.D. thesis, Victoria University of Wellington, New Zealand.
- DUNCAN, A.R.; TAYLOR, S.R. 1968: Trace element analyses of magnetites from andesitic and dacitic lavas from Bay of Plenty, New Zealand. *Contr. Miner. Petrol.* 20 : 30-33.
- DUNCAN, A.R.; VUCETICH, C.G. 1970: Volcanic activity on White Island, Bay of Plenty, 1966-69. Part 2 - Tephra eruptions - stratigraphy and petrology. *N.Z. Jl Geol. Geophys.* 13(4) : 969-79.
- DUPONT, J. 1979: The Tonga and Kermadec island arc system; two different morphologies, one single subduction zone. (South Pacific). *C. r. hebd. Seanc. Acad. Sci., Paris ser. D* 289(3) : 245-48.
- DUPONT, J. 1982: Le cadre general et les traits essentiels de l'arc insulaire des Tonga-Kermadec. [General frame and essential features of the Tonga-Kermadec island arc.] *In* Equipe Geologie-Geophysique ORSTOM Noumea "Contribution a l'etude geodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM* 147 : 249-62.
- DUPONT, J. 1982: Morphologie et structures superficielles de l'arc insulaire des Tonga-Kermadec. [Morphology and superficial structures of the Tonga-Kermadec island arc.] *In* Equipe Geologie-Geophysique ORSTOM Noumea "Contribution a l'etude geodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM* 147 : 263-82.

- DUPONT, J.; LAUNAY, J.; RAVENNE, C.; DE BROIN, C.E. 1975: Donnees nouvelles sur la ride de Norfolk (Sud-Ouest Pacifique). [New data on Norfolk Ridge (Southwest Pacific) by seismic reflection profiling.] *C. r. hebd. Seanc. Acad. Sci., Paris ser. D 281* : 605-8.
- DUPONT, J.; LOUAT, R.; PONTOISE, B.; MISSEGUE, F.; LATHAM, G.V.; MALAHOFF, A. 1982: Aperçu morphologique, structural et sismologique de l'arc insulaire des Tonga-Kermadec island arc.] *In* Equipe Geologie-Geophysique ORSTOM Noumea "Contribution a l'etude geodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 319-24.
- EADE, J.V. 1971: Poor Knights Bathymetry. *N.Z. oceanogr. Inst. Chart, Coastal Ser. 1:200,000*.
- EADE, J.V. 1973: Geographical distribution of living planktonic foraminifera in the Southwest Pacific. Pp 249-56 *in* Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- EADE, J.V. 1974: Distribution of planktonic foraminifera in the SW Pacific and factors controlling their distribution in sediments. (Abstr.) *In* "Marine Plankton and Sediments". *Proc. 3rd Planktonic Conf., Paris, Int. Coun. Sci. Union, UNESCO*.
- EADE, J.V. 1974: Hauraki Bathymetry. *N.Z. oceanogr. Inst. Chart, Coastal Ser. 1:200,000*.
- EADE, J.V. 1974: Poor Knights Sediments. *N.Z. oceanogr. Inst. Chart, Coastal Ser. 1:200,000*.
- EADE, J.V.; CARTER, L. 1975: Definitions and code of nomenclature for naming of morphological features on the New Zealand sea floor. *NZOI Rec. 2* : 129-40.
- EADE, J.V.; VAN DER LINDEN, W.J.M. 1970: Sediments and stratigraphy of deep-sea cores from the Tasman Basin. *N.Z. J. Geol. Geophys. 13(1)* : 228-68.
- EADE, J.V.; VAN DER LINDEN, W.J.M. 1977: Bellona Bathymetry. *N.Z. oceanogr. Inst. Chart, Oceanic Ser. 1:1,000,000*.
- EDWARDS, A.R. 1973: Calcareous nannofossils. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 641-92.
- EDWARDS, A.R. 1973: Southwest Pacific regional unconformities encountered during Leg 21. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 701-20.
- EDWARDS, P.B. 1972: Some temporal and spatial aspects of the seismicity of the Fiji-Tonga-Kermadec region. (Abstr.) *Abstr. Progm. geol. Soc. Am. 4(3)* : 153.
- EIBY, G.A. 1971: Seismic regions of New Zealand. *In* "Recent Crustal Movements". *Bull. R. Soc. N.Z. 9* : 153-60.
- EIBY, G.A. 1973: A descriptive catalogue of New Zealand earthquakes. Part 2 - Shocks felt from 1846 to 1854. *N.Z. J. Geol. Geophys. 16(4)* : 857-907.
- EIBY, G.A. 1977: The junction of the main New Zealand and Kermadec seismic regions. Pp 167-78 *in* International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- EISSLER, H.K.; KANAMORI, H. 1979: A large normal-fault earthquake at the junction of Louisville Ridge and the Tonga Trench and its geophysical implication. *EOS Trans. Am. geophys. Un. 60(46)* : 878.
- EVISON, E.F. 1977: Precursory seismic sequences in New Zealand. *N.Z. J. Geol. Geophys. 20(1)* : 129-41.
- EWART, A. 1965: Mayor Island. *In* Thompson, B.N.; Kermode, L.O. (eds) "New Zealand Volcanology, Northland-Coromandel-Auckland". *DSIR Inf. Ser. 49* : 70-80.
- EWART, A.; BROTHERS, R.N.; MANTEEN, A. 1977: An outline of the geology and geochemistry, and the possible petrogenetic evolution of the volcanic rocks of the Tonga-Kermadec-New Zealand island arc. *J. Volc. Geotherm. Res. 2(3)* : 205-50.
- EWART, A.; MANTEEN, A.; BROTHERS, R.N. 1976: Mineralogical and chemical evolution of the Tonga-Kermadec-New Zealand island arc. (Abstr.) *Proc. 25th Int. Geol. Congr., Sydney 1, Sect. 2* : 50-51.
- EWART, A.; TAYLOR, S.R.; CAPP, S.R. 1968: Geochemistry of pantellerites of Mayor Island, New Zealand. *Contr. Miner. Petrol. 17* : 116-40.
- FARQUHAR, O.C. 1960: Seamounts, ancient and modern. *New Scient. 29(487)* : 698-702.

- FEIN, C.D. 1971: Geochemical variations across an island arc. (Abstr.) *Abstr. Prog. geol. Soc. Am.* 3(7) : 563.
- FERGUSON, S.R. 1974: The velocity structure of the sea-bed and basement rocks between Leigh and the Mokohinau Islands. Unpubl. M.Sc. thesis, University of Auckland, New Zealand. 101 p.
- FERGUSON, S.R.; HOCHSTEIN, M.P.; KIBBLEWHITE, A.C. 1980: Seismic refraction studies in the northern Hauraki Gulf, New Zealand. *N.Z. Jl Geol. Geophys.* 23(1) : 17-25.
- FLEMING, C.A. 1952: The White Island Trench : A submarine graben in the Bay of Plenty, New Zealand. *Proc. 7th Pacif. Sci. Congr., New Zealand* 3 : 210-13.
- FLEMING, H.; FEDEN, R.; VOGT, P.; MALAHOFF, A. 1976: Aeromagnetic surveys over the Tonga-Kermadec subduction zone, Lau-Havre inter-arc basins and Louisville Ridge. In International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- FLORIDA STATE UNIVERSITY, DEPARTMENT OF GEOLOGY, ANTARCTIC CORE FACILITY (undated): USNS *Eltanin* core descriptions, Cruises 16 to 27. *Contr. No.* 25 : 245 p.
- FOREMAN, J.A. 1973: A structural and tectonic study of the Lau-Havre-South Fiji Basin region. Unpubl. M.Sc. thesis, University of Hawaii, Honolulu. 104 p.
- FRIEDRICH, G.; GLASBY, G.P.; PLÜGER, W.L.; THIJSSSEN, T. 1981: Results of the recent exploration for manganese nodules in the South Pacific by R.V. *Sonne*. *Inter Ocean '81*, 302 : 1-10.
- GABITES, J. 1981: Appendix 2. Potassium-argon dating of volcanic rocks from Raoul Island. *Bull. N.Z. geol. Surv.* 95 : 93-96.
- GAME, P.M. 1970: Petrology of Lord Howe Island. Part 1 - The younger volcanics. *Bull. Br. Mus. (nat. Hist.) Mineral.* 2(5) : 223-56.
- GIBB, J.G. 1978: Rates of coastal erosion and accretion in New Zealand. *N.Z. Jl mar. Freshwat. Res.* 12(4) : 429-56.
- GIBOWICZ, S.J. 1974: Two earthquake swarms on the Kermadec Ridge. *N.Z. Jl Geol. Geophys.* 17(4) : 913-27.
- GIGGENBACH, W.F. 1975: Variations in the carbon, sulfur and chloride contents of volcanic gas discharges from White Island, New Zealand. *Bull. volcan.* 39(1) : 15-27.
- GIGGENBACH, W.F.; GLASBY, G.P. 1977: The influence of thermal activity on the trace metal distribution in marine sediments around White Island, Bay of Plenty, New Zealand. *Bull. Dep. scient. ind. Res.* 218 : 121-26.
- GILL E.D. 1950: Some unusual shore platforms near Gisborne, North Island, New Zealand. *Trans. Proc. N.Z. Inst.* 78 : 64-68.
- GILLIES, P.H. 1983: The junction of the Kermadec and Hikurangi Subduction System. Unpubl. Ph.D. thesis, University of Auckland, New Zealand.
- GINSBURG, I.V. 1976: Basaltic augite from Mont Lidgbird, Lord Howe Island, southeastern Australia. *Trudy miner. Muz.* 25 : 142-46.
- GLASBY, G.P. 1971: Direct observations of columnar scattering associated with geothermal gas bubbling in the Bay of Plenty, New Zealand. *N.Z. Jl mar. Freshwat. Res.* 5(3 & 4) : 483-96.
- GLASBY, G.P. 1974: Manganese, mineralogical notes. Pp 404-6 in Williams, G.J. (ed.) "Economic Geology of New Zealand". John McIndoe Ltd, Dunedin. 409 p.
- GLASBY, G.P. 1975: Marine mining in New Zealand : Prospects for developments. *N.Z. Sci. Rev.* 32(3) : 53-56.
- GLASBY, G.P. 1975: Geochemical dispersion patterns associated with submarine geothermal activity in the Bay of Plenty, New Zealand. *Geochem. J.* 9 : 125-38.
- GLASBY, G.P. 1977: Geochemistry of three sediment cores from the Southwest Pacific. *NZOI Rec.* 3(7) : 49-55.
- GLASBY, G.P. 1982: An untapped reserve : Marine minerals around New Zealand. *N.Z. Int. Rev.* 7(5) : 26-28.
- GLASBY, G.P. 1982: Manganese nodules from the South Pacific : An evaluation. *Mar. Mining* 3(3-4) : 231-84.
- GLASBY, G.P.; BÄCKER, H.; MEYLAN, M.A. 1975: Metal contents of manganese nodules from the Southwestern Pacific Basin. *Erzmetall.* 28(7/8) : 340-42.

- GLASBY, G.P.; BÄCKER, H.; MEYLAN, M.A.; MCDUGALL, J.C.; SINGLETON, R.J. 1974: Extensive manganese nodule province discovered in the Southwest Pacific near New Zealand. *Meerestechnik* 5 : 145-47.
- GLASBY, G.P.; HUNT, J.L.; RANKIN, P.C.; DARWIN, J.H. 1979: Major element analyses of marine sediments from the Southwest Pacific. *N.Z. Soil Bur. scient. Rep.* 36 : 127 p.
- GLASBY, G.P.; SINGLETON, R.J. 1975: Underwater photographs of manganese nodules from the Southwestern Pacific Basin. *N.Z. Jl Geol. Geophys.* 18(4) : 597-604.
- GLASBY, G.P.; SUMMERHAYES, C.P. 1979: Sequential deposition of authigenic marine minerals around New Zealand : Paleoenvironmental significance. *N.Z. Jl Geol. Geophys.* 18(3) : 477-90.
- GOLDBERG, L.; CARTER, R.M. 1979: A Pleistocene molluscan fauna beneath the Maui-A gas platform, offshore Taranaki. (Note) *N.Z. Jl Geol. Geophys.* 22(3) : 407-9.
- GRAHAM, I.J.; WATSON, J.L. 1980: Compositional, structural, and magnetic variations in Waipipi titanomagnetites. *N.Z. Jl Geol. Geophys.* 23(4) : 447-54.
- GRANT-MACKIE, J.A. 1960: Outline geology of the inner islands of the Hauraki Gulf. *Proc. N.Z. ecol. Soc.* 7 : 23-27.
- GRANT-MACKIE, J.A. 1977: Mesozoic chronostratigraphy of New Zealand and New Caledonia. *Lethaia* 10(4) : 302.
- GRIFFITHS, J.R. 1973: Plate tectonics and the evolution of New Zealand. Pp 263-69 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- GRIFFITHS, J.R. 1975: New Zealand and the Southwest Pacific margin at Gondwanaland. *Proc. IUGS Gondwana Symp.*, 3 : 619-39.
- GUILCHER, M.A. 1973: Lord Howe, the southernmost coral-reef island in the world; Tasman Sea, 31°S, 158°E. *Bull. Ass. Geogr. Fr.* 404 : 427-37
- HAINES, A.J. 1981: Systematic effects of the introduction in 1977 of a new magnitude scale for New Zealand earthquakes. *N.Z. Jl Geol. Geophys.* 24(2) : 141-53.
- HALCROW, H.M. 1956: The geology of Waiheke Island, Auckland. *Trans. R. Soc. N.Z.* 84(1) : 51-69.
- HAMON, B.V. 1968: Spectrum of sea level at Lord Howe Island in relation to circulation. *J. geophys. Res.* 73 : 6925-27.
- HANUS, V.; VANEK, J. 1978: Geodynamic interpretation of the earthquake distribution in the Kermadec subduction zone. *Cesk. Akad. Ved. Stud. Geophys. Geod.* 22(3) : 259-75.
- HANUS, V.; VANEK, J. 1979: Morphology and volcanism of the Wadati-Benioff zone in the Tonga-Kermadec system of Recent subduction. *N.Z. Jl Geol. Geophys.* 22(6) : 659-71.
- HARRAY, K.G.; HEALY, T.R. 1978: Beach erosion at Waihi Beach, Bay of Plenty, New Zealand. *N.Z. Jl mar. Freshwat. Res.* 12(2) : 99-107.
- HASKELL, T. 1982: Oil discovery in New Zealand overthrusts. *Progm. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 30.  
also in: *Bull. Am. Ass. Petrol. Geol.* 66(7) : 970.
- HATHERTON, T. 1970: Upper mantle inhomogeneity beneath New Zealand : Surface manifestation. *J. geophys. Res.* 75 : 269-84.
- HATHERTON, T. 1971: Shallow earthquakes and rock composition. *Nature, Phys. Sci.* 227(4) : 119-20.
- HATHERTON, T.; DAVEY, F.J.; HUNT, T.M. 1979: Geophysical anomalies and igneous bodies off the west coast, North Island. *Jl R. Soc. N.Z.* 9(1) : 13-28.
- HATHERTON, T.; SYMS, M.C. 1975: Junction of Kermadec and Hikurangi negative gravity anomalies. *N.Z. Jl Geol. Geophys.* 18(5) : 753-56.
- HAWKE, M.M. 1977: Petrology and petrochemistry of volcanic rocks from the centre North Island district and the Kermadec Islands. Unpubl. Ph.D. thesis, University of Auckland, New Zealand.
- HAWKINS, J.W. 1974: Petrology of a differentiated alkalic rock series from a seamount near the Tonga Trench. (Abstr.) *Abstr. Progm. geol. Soc. Am.* 6(3) : 189.

- HAYES, D.E.; EWING, M. 1971: The Louisville Ridge – a possible extension of the Eltanin Fracture Zone. *In* Reid, J.L. (ed.) “Antarctic Oceanology”. *Antarct. Res. Ser.* 15 : 223–28.
- HAYES, D.E.; RINGIS, J. 1973: Sea floor spreading in the Tasman Sea. *Nature, Lond.* 243(5406) : 454–58.
- HAYES, D.E.; RINGIS, J. 1973: The early opening of the central Tasman Sea. (Abstr.) P. 338 *in* Fraser, R. (comp.) “Oceanography of the South Pacific 1972”. N.Z. National Commission for UNESCO, Wellington. 524 p.
- HAYTER, I.B. 1954: The geology of the southern and part of the central portion of Great Barrier Island. Unpubl. M.Sc. thesis, University of Auckland. New Zealand.
- HAYWARD, B.W. 1971: A note on the geology of Motuoruhi (Goat) Island. *Tane* 17 : 119–21.
- HAYWARD, B.W. 1973: A note on the geology of the coastline west of Whangaparapara, Great Barrier Island. *Tane* 19 : 175–78.
- HAYWARD, B.W. 1976: Lower Micene geology and sedimentary history of the Muriwai-Te Waharoa coastline, North Auckland, New Zealand. *N.Z. Jl Geol. Geophys.* 19(5) : 639–62.
- HAYWARD, B.W.; MOORE, P.R. 1972: Geology of Red Mercury Island (Whakau). *Tane* 18 : 9–10.
- HAYWARD, B.W.; MOORE, P.R. 1973: Geology of the Aldermen Islands. *Tane* 19 : 69–85.
- HAYWARD, B.W.; MOORE, P.R.; FRANCIS, D.A. 1978: Geology of Hen Island (Taranga) and reclassification of the “Wairakau Andesites”. *Tane* 24 : 55–71.
- HAYWARD, B.W.; MOORE, P.R.; MACFARLAN, D.A.B. 1974: Geology of Shoe Island and the Slipper Island group. *Tane* 20 : 43–55.
- HEALY, T.R. 1968: Bioerosion on shore platforms developed in the Waitemata Formation, Auckland. *Earth Sci. J.* 2(1) : 26–37.
- HEALY, T.R.; HARRAY, K.G.; RICHMOND, B. 1977: The Bay of Plenty coastal erosion survey. *Occ. Rep. Ser. Earth Scient. Dep. Waikato Univ. Hamilton No. 3* : 64 p.
- HEATH, R.A. 1981: Tidal asymmetry on the New Zealand coast and its implications for the net transport of sediment. *N.Z. Jl Geol. Geophys.* 24(3) : 361–72.
- HECTOR, J. 1871: Notes on the geology of White Island. *Trans. Proc. N.Z. Inst.* 3 : 278–84.
- HOCHSTEIN, M.P. 1980: Seismic refraction studies in the northern Hauraki Gulf, New Zealand. *N.Z. Jl Geol. Geophys.* 23(1) : 17–25.
- HOCHSTEIN, M.P.; SCHOFIELD, J.C.; SHOR, G.G. 1974: Tonga-Kermadec-Lau. *In* “Mesozoic-Cenozoic Orogenic Belts : Data for Orogenic Studies; Circum-Pacific and Caribbean Orogens”. *Spec. Publ. geol. Soc. Lond.* 4 : 417–23.
- HOPGOOD, A.M.; BARRON, R.N. 1953–54: Notes on the geology of Little Barrier Island. *Tane* 6 : 7–19.
- HOUGHTON, B.F.; SCOTT, B.J.; NAIRN, I.A.; WOOD, C.P. 1983: Cyclic variation in eruption products, White Island volcano, New Zealand 1976–79. (Note). *N.Z. Jl Geol. Geophys.* 26 : 213–16.
- HUME, T.M. 1978: Clay petrology of Mesozoic to Recent sediments of central western North Island, New Zealand. Unpubl. D. Phil. thesis, University of Waikato, Hamilton.
- HUME, T.M.; HARRIS, T.F.W. 1981: Bibliography of oceanography and sedimentology for the Northland-Auckland coast. *Water Soil Misc. Publ.* 28 : 63 p.
- HUANG, T.C. 1980: A volcanic sedimentation model : Implications of processes and responses of deep-sea ashes. *Mar. Geol.* 38 : 103–22.
- HUNT, T.M. 1980: Basement structure of the Wanganui Basin, onshore, interpreted from gravity data. *N.Z. Jl Geol. Geophys.* 23(1) : 1–16.
- HUNT, T.M.; WOODWARD, D.J. 1971: Gravity and magnetic measurements in the south Taranaki Bight, New Zealand. *N.Z. Jl Geol. Geophys.* 14(1) : 46–55.
- HURST, A.W.; CHRISTOFFEL, D.A. 1973: Surveillance at White Island volcano, 1968–1972. Part 3 – Thermo-magnetic effects due to volcanic activity. *N.Z. Jl Geol. Geophys.* 16(4) : 965–72.

- HUTTON, F.W. 1868: On the geology of the island of Pakihi. *Trans. Proc. N.Z. Inst.* 1 : 113.
- HUTTON, F.W. 1869: Report on the geology of the Great Barrier Island. *N.Z. geol. Surv. Rep. geol. Explor. 1868-69*, 5 : 1-7.
- HUTTON, F.W. 1869: Report on the geology of the Great Barrier Island. *Trans. Proc. N.Z. Inst.* 2 : 32.
- HUTTON, F.W. 1869: Crater of Little Barrier Island. *Trans. Proc. N.Z. Inst.* 2 : 62.
- IRVINE, I. 1978: Late Pleistocene-Quaternary biostratigraphy and climate change in DSDP 208, Lord Howe Rise. *Bull. Aust. Soc. explor. Geophys.* 9(3) : 146-48.
- JAGGAR, T.A. 1926: White Island volcano. *Volc. Lett. Hawaii Volc. Res. Ass.* 66 : 1 p.
- JAGGAR, T.A. 1928: White Island volcano. *Volc. Lett. Hawaii Volc. Res. Ass.* 206 : 1 p.
- JINDRICH, V. 1971: Lord Howe Island, Tasman Sea : Example of coral reef growth in southern marginal belt. (Abstr.) *Abstr. Progr. geol. Soc. Am.* 3(7) : 612.
- JONGSMA, O.; MUTTER, J.C. 1978: Non-axial breaching of a rift valley; evidence from the Lord Howe Rise and the southeastern Australian margin. *Earth Planet. Sci. Lett.* 39(2) : 226-34.
- KAILA, K.L.; KRISHNA, V.G. 1978: Upper mantle velocity structure in the Tonga-Kermadec island arc region. In Uyeda, S.; Murphy, R.W.; Kobayashi, K. (eds) "Geodynamics of the Western Pacific". Proceedings of the International Conference on Geodynamics of the Western Pacific-Indonesian Region, March 1978, Tokyo. *Adv. Earth Planet. Sci.* 6 : 155-80.
- KAMP, P. 1979: Aspects of sedimentology, geochemistry and chronology of surficial carbonate sediments in the New Zealand region. Unpubl. Ph.D. thesis, University of Waikato, Hamilton, New Zealand.
- KARIG, D.E. 1970: Ridges and basins of the Tonga-Kermadec island arc systems. *J. geophys. Res.* 75 : 239-54.
- KARIG, D.E. 1970: Kermadec Arc - New Zealand tectonic confluence. *N.Z. Jl Geol. Geophys.* 13 : 21-29.
- KATZ, H.R. 1971: Petrol developments in New Zealand during 1970. *Bull. Am. Ass. Petrol. Geol.* 55 : 1657-61.
- KATZ, H.R. 1972: Petroleum developments in New Zealand during 1971. *Bull. Am. Ass. Petrol. Geol.* 56 : 1846-50.
- KATZ, H.R. 1973: Petroleum developments in New Zealand during 1972. *Bull. Am. Ass. Petrol. Geol.* 57 : 2109-13.
- KATZ, H.R. 1974: Margins of the Southwest Pacific. Pp 549-66 in Burk, C.A.; Drake, C.L. (eds) "The Geology of Continental Margins". Springer-Verlag, New York. 1009 p.
- KATZ, H.R. 1974: Offshore petroleum potential in New Zealand. *APEA Jl* 14(2) : 3-13.
- KATZ, H.R. 1975: Petroleum developments in New Zealand during 1974. *Bull. Am. Ass. Petrol. Geol.* 59 : 2011-13.
- KATZ, H.R. 1975: Ariel Bank off Gisborne - an offshore Late Cenozoic structure, and the problem of acoustic basement on the east coast, North Island, New Zealand. *N.Z. Jl Geol. Geophys.* 18(1) : 93-107.
- KATZ, H.R. 1976: Sedimentary basins and petroleum prospects, onshore and offshore New Zealand. In "Circum-Pacific Energy and Mineral Resources". *Mem. Am. Ass. Petrol. Geol.* 25 : 217-28.
- KATZ, H.R. 1976: Developments in New Zealand and Southwest Pacific island region in 1975. *Bull. Am. Ass. Petrol. Geol.* 60(10) : 1947-56.
- KATZ, H.R. 1977: Developments in New Zealand and Southwest Pacific island region in 1976. *Bull. Am. Ass. Petrol. Geol.* 61(10) : 1880-87.
- KATZ, H.R. 1978: Developments in New Zealand and Southwest Pacific island region in 1977. *Bull. Am. Ass. Petrol. Geol.* 62(10) : 1900-5.
- KATZ, H.R. 1979: Active continental margin east of North Island, New Zealand : New data and some problems. (Abstr.) *Proc. 49th ANZAAS Congr., Auckland* 1 : 124.
- KATZ, H.R. 1979: Developments in New Zealand and Southwest Pacific island region in 1978. *Bull. Am. Ass. Petrol. Geol.* 63(10) : 1680-88.

- KATZ, H.R. 1980: Cretaceous-Cenozoic sedimentary basins of New Zealand. (Coloured map 1:5,000,000). In "Prospectus for Petroleum Exploration in New Zealand". Ministry of Energy & Government Printer, Wellington.
- KATZ, H.R. 1980: Continental margin accretion or tectonic erosion : Implications for hydrocarbon potential in New Zealand. (Abstr.) In "Second International Workshop on Geology, Mineral Resources and Geophysics of the South Pacific", New Caledonia, October 1980. CCOP/SOPAC-IOC/WESTPAC.
- KATZ, H.R. 1980: Developments in New Zealand and Southwest Pacific Island region in 1979. *Bull. Am. Ass. Petrol. Geol.* 64(11) : 1776-84.
- KATZ, H.R. 1981: New Zealand and Southwest Pacific Islands. *Bull. Am. Ass. Petrol. Geol.* 65(10) : 2254-59.
- KATZ, H.R. 1981: Probable gas hydrate in continental slope east of the North Island, New Zealand. *J. Petrol. Geol.* 3(3) : 315-24.
- KATZ, H.R. 1982: Mineral resources and maps of New Zealand, the New Hebrides, and the Solomons, *Prog. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 32.  
also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 972.
- KATZ, H.R. 1982: Plate margin transition from oceanic arc-trench to continental system : The Kermadec-New Zealand example. *Tectonophysics* 87 : 49-64.
- KATZ, H.R. 1982: Oil and gas developments in New Zealand and Southwest Pacific islands in 1981. *Bull. Am. Ass. Petrol. Geol.* 66(11) : 2349-59.
- KATZ, H.R. 1982: Evidence of gas hydrates beneath the continental slope, east coast, North Island, New Zealand. *N.Z. Jl Geol. Geophys.* 25(2) : 193-99.
- KATZ, H.R. 1983: Oil and gas developments in New Zealand and Southwest Pacific islands in 1982. *Bull. Am. Ass. Petrol. Geol.* 67 :
- KATZ, H.R.; GLASBY, G.P. 1979: Mineral resources of the New Zealand offshore region. *S. Pacif. mar. geol. Notes* 1(9) : 95-110.
- KATZ, H.R.; WOOD, R.A. 1980: Submerged margin east of North Island, New Zealand, and its petroleum potential. In "Symposium on Petroleum Potential in Island Arcs, Small Ocean Basins, Submerged Margins and Related Areas", Suva, Fiji, September 1979. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 3 : 221-36.
- KEAR, D. 1959: Stratigraphy of New Zealand's Cenozoic volcanism north-west of the volcanic belt. *N.Z. Jl Geol. Geophys.* 2 : 578-89.
- KEAR, D.; WATERHOUSE, B.C. 1961: Quaternary surfaces and sediments at Waihi Beach. *N.Z. Jl Geol. Geophys.* 4(4) : 434-45.
- KEATING, B.; HELSLEY, C.E. 1976: Magnetisation of rhyolites from DSDP Hole 207. *EOS Trans. Am. geophys. Un.* 57(5) : 405.
- KELLER, G.H.; PETER, G. 1968: East west profile from Kermadec Trench to Valparaiso, Chile. *J. geophys. Res.* 73(22) : 7154-57.
- KENNETT, J.P. 1973: Preliminary biostratigraphic and Paleo-oceanographic results of cruise 21 D/V *Glomar Challenger* in the Southwest Pacific. (Abstr.) P. 341 in Fraser, R. (comp) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- KENNETT, J.P. 1973: Middle and Late Cenozoic planktonic foraminiferal bio-stratigraphy of the Southwest Pacific - DSDP Leg 21. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 575-640.
- KIBBLEWHITE, A.C. 1966: The acoustic detection and location of an underwater volcano. *N.Z. Jl Sci.* 9(1) : 179-99.
- KIBBLEWHITE, A.C.; BERGQUIST, P.R.; FOSTER, B.A.; GREGORY, M.R.; MILLER, M.C. 1982: Maui Development Environmental Study - Report of Phase Two 1977-1981. Report prepared by the University of Auckland for Shell B.P. and Todd Oil Services Ltd. 174 p.
- KLEIN, G.deV. 1975: Sedimentary tectonics in Southwest Pacific marginal basins based on Leg 30 Deep Sea Drilling Project cores from the South Fiji, Hebrides, and Coral Sea Basins. *Bull. geol. Soc. Am.* 86(7) : 1012-18.

- KNEDLER, K.E.; GLASBY, G.P.; JOHNSON, J.H.; EADE, J.V. 1983: Phosphatic, ferruginous sedimentary rock from Barrier Bank (New Zealand continental shelf) : Geochemistry and paragenesis. *Progr. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 130.
- KOGAN, L.I.; KORSAKOV, D.D.; UDINTSEV, G.B. 1975: New data on the structure of the Tasman Sea. *Dokl. Acad. Sci. USSR, Earth Sci. Sect.* 222(1-6) : 255-57.
- KOHN, B.P.; GLASBY, G.P. 1978: Tephra distribution and sedimentation rates in the Bay of Plenty, New Zealand. *N.Z. Jl Geol. Geophys.* 21(1) : 49-70.
- KNOX, G.L. 1982: Taranaki Basin, structural style and tectonic setting. *N.Z. Jl Geol. Geophys.* 25(2) : 135-40.
- KROENKE, L.W.; EADE, J.V. 1982: Three Kings Ridge – a west-facing arc. *Geo-mar. Lett.* 2 : 5-10.
- KROENKE, L.W.; JOUANNIC, C.; WOODWARD, P. (comps) 1983: Bathymetry of the Southwest Pacific. Chart 1 of the Geophysical Atlas of the Southwest Pacific. Scale 1:6,442,192 at 0°. Mercator Projection. 2 Sheets. CCOP/SOPAC.
- KUSTANOWICH, S. 1962: A foraminiferal fauna from Capricorn Seamount, Southwest Equatorial Pacific. *N.Z. Jl Geol. Geophys.* 5(3) : 427-34.
- LACROIX, A. 1927: La constitution lithologique des volcans du Pacifique central austral. *C. r. hebd. Seanc. Acad. Sci., Paris* 185 : 425-28.
- LAIRD, M.L. 1980: The Late Mesozoic fragmentation of the New Zealand segment of Gondwana. Pp 311-18 in Cresswell, M.; Vella, P. (eds) "Gondwana Five". Proceedings of the 5th International Gondwana Symposium, February 1980, Wellington.
- LAPOUILLE, A. 1975: Southern New Hebrides Basin and western South Fiji Basin as single marginal basin. *Bull. Aust. Soc. explor. Geophys.* 9(3) : 130-33.
- LAPOUILLE, A. 1977: Magnetic surveys over the rises and basins in the Southwest Pacific. Pp 15-28 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 pp.
- LATTER, J.H. 1980: Volcanoes in New Zealand. *ALPHA. DSIR Extn Inf.* 6 : 6 p.
- LAUNAY, J.; DUPONT, J.; LAPOUILLE, A. 1982: The Three Kings Ridge and the Norfolk Basin (Southwest Pacific) : An attempt at structural interpretation. *S. Pacif. mar. geol. Notes* 2(8) : 121-30.
- LAUNAY, J.; DUPONT, J.; LAPOUILLE, A.; RAVENNE, C.; DE BROIN, C.E. 1977: Seismic traverses across the northern Lord Howe Rise and comparison with the southern part (South-west Pacific). Pp 155-64 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- LAWRENCE, P. 1967: New Zealand region bathymetry, 1:6,000,000. *N.Z. oceanogr. Inst. Chart, Misc. Ser.* 15.
- LAWTON, D.C. 1979: Geophysical exploration of New Zealand ironsand deposits at Taharoa, Waikato North Head and Raglan. Unpubl. Ph.D. thesis, University of Auckland, New Zealand. 340 p.
- LEWIS, K.B. 1971: Marine geology of the Turnagain area. Unpubl. Ph.D. thesis, Geology Department, Victoria University of Wellington, New Zealand. 451 p.
- LEWIS, K.B. 1971: Slumping on a continental slope inclined at 1°-4°. *Sedimentology* 16 : 97-110.
- LEWIS, K.B. 1971: Growth rate of folds using tilted wave-planed surfaces : Coast and continental shelf, Hawke's Bay, New Zealand. In "Recent Crustal Movements". *Bull. R. Soc. N.Z.* 9 : 225-31.
- LEWIS, K.B. 1973: Erosion and deposition on a tilting continental shelf during Quaternary oscillations of sea level. *N.Z. Jl Geol. Geophys.* 16(2) : 281-301.
- LEWIS, K.B. 1973: Sediments on the continental shelf and slope between Napier and Castlepoint, New Zealand. *N.Z. Jl mar. Freshwat. Res.* 7(3) : 183-208.
- LEWIS, K.B. 1974: Upper Tertiary rocks from the continental shelf and slope off southern Hawkes Bay. *N.Z. Jl mar. Freshwat. Res.* 8(4) : 663-70.
- LEWIS, K.B. 1976: Turnagain Bathymetry, 2nd Edition. *N.Z. oceanogr. Inst. Chart, Coastal Ser.* 1:200,000.



- LEWIS, K.B. 1979: A storm-dominated inner shelf, western Cook Strait, New Zealand. *Mar. Geol.* 31 : 31-43.
- LEWIS, K.B. 1980: Quaternary sedimentation on the Hikurangi oblique-subduction and transform margin, New Zealand. *Spec. Publ. Inst. Ass. Sediment.* 4 : 171-89.
- LEWIS, K.B. 1982: Side-scan survey of Taharoa Ironsand Terminal. *NZOI Rec.* 4(9) : 121-33.
- LEWIS, K.B. 1983: Where an arc system interacts a continent : Sedimentation around northeastern New Zealand. *Progm. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 146.
- LEWIS, K.B.; GIBB, J.G. 1970: Turnagain Sediments. *N.Z. oceanogr. Inst. Chart, Coastal Ser. 1:200,000.*
- LEWIS, K.B.; KOHN, B.P. 1973: Ashes, turbidites, and rates of sedimentation on the continental slope off Hawkes Bay. *N.Z. Jl Geol. Geophys.* 16(3) : 439-54.
- LEWIS, K.B.; PANTIN, H.M. 1983: Intersection of a marginal basin with a continent : Structure and sediments of the Bay of Plenty, New Zealand. *Spec. Publ. geol. Soc. Lond.*
- LEWIS, V.J. 1977: Bibliography of New Zealand submarine geology 1866-1969. *Mem. N.Z. oceanogr. Inst.* 64 : 32 p.
- LILLE, R.; PARRIS, J.P. 1975: Quelques idees touchant la comparaison entre les sequences Mesozoiques de la Nouvelle Zelande et la Nouvelle Calédonie. [Some ideas on the comparison of Mesozoic sequences in New Zealand and New Caledonia.] *C. r. hebd. Seanc. Acad. Sci., Paris, ser. D* 282(10) : 965-69.
- LING, H.Y.; MCPHERSON, L.M. 1973: Polycystine Radiolaria from surface sediments of the northern Tasman Sea. Pp 281-94 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- LIN'KOVA, T.I.; GORODNITSKY, A.M.; RAIKEVICH, M.I. 1983: Magnetism of igneous rocks in the Southwestern Pacific. *Progm. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 148.
- LLOYD, E.F. 1979: Volcanological observations individual volcanoes, Raoul Island (Kermadec Islands), lake levels and temperatures for 1979. *N.Z. volc. Rec.* 9 : 49-51.
- LLOYD, E.F. 1981: Geology and tephrochronology of Raoul Island, Kermadec Group, New Zealand. *Bull. N.Z. geol. Surv.* 95 : 105 p.
- LOUAT, R.; DUPONT, J. 1982: Sismicite de l'arc des Tonga-Kermadec. [Seismicity of the Tonga-Kermadec island arc.] In Equipe Geologie-Geophysique ORSTOM Noumea "Contribution a l'etude geodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM* 147 : 299-318.
- LOUITT, T.S.; KENNETT, J.P. 1981: Australasian Cenozoic sedimentary cycles, global sea level changes and the deep sea sedimentary record. In "Geology of Continental Margins" Symposium, July 1980, Paris. *Proc. 26th Int. Geol. Congr., Paris* : 45-63.
- LOUITT, T.S.; KENNETT, J.P. 1981: New Zealand and Australian Cenozoic sedimentary cycles and global sea-level changes. *Bull. Am. Ass. Petrol. Geol.* 65(9) : 1586-1601.
- LYON, G.L.; GIGGENBACH, W.F.; SINGLETON, R.J.; GLASBY, G.P. 1977: Isotopic and chemical composition of submarine geothermal gases from the Bay of Plenty, New Zealand. *Bull. N.Z. Dep. scient. ind. Res.* 218 : 65-67.
- MCBEATH, D.M. 1977: Gas-condensate fields of the Taranaki Basin, New Zealand. *N.Z. Jl Geol. Geophys.* 21(1) : 99-127.
- MCDUGALL, J.C. 1972: Carbonate variations in slope sediments, Kaipara, New Zealand. *N.Z. Jl Geol. Geophys.* 15(4) : 558-71.
- MCDUGALL, J.C. 1975: Cook Sediments. *N.Z. oceanogr. Inst. Chart, Oceanic Ser. 1:1,000,000.*
- MCDUGALL, J.C. 1979: Three Kings Sediments. *N.Z. oceanogr. Inst. Chart, Oceanic Ser. 1:1,000,000.*
- MCDUGALL, J.C.; GIBB, J.G. 1970: Patea Sediments. *N.Z. oceanogr. Inst. Chart, Coastal Ser. 1:200,000.*
- MCDUGALL, I.; EMBLETON, B.J.J.; STONE, D.B. 1981: Origin and evolution of Lord Howe Island, Southwest Pacific Ocean. *J. geol. Soc. Aust.* 28(2) : 155-76.
- MCDUGALL, I.; VAN DER LINGEN, G.J. 1974: Age of rhyolites of the Lord Howe Rise and evaluation of the Southwest Pacific Ocean. *Earth Planet. Sci. Lett.* 21(2) : 17-26.

- MCGRAW, J.D.; WHITTON, J.S. 1971: Soils of Mayor Island, Bay of Plenty, New Zealand. *N.Z. Jl Sci.* 14 : 1009-25.
- MCKENZIE, D. 1976: The orientation of the stress axes within sinking slabs. *Earth Planet. Sci. Lett.* 31(2) : 306-7.
- MCKENZIE, K.; ORCUTT, J. 1981: A comparison of seismic structure of oceanic plateaus. *EOS Trans. Am. geophys. Un.* 62 : 103-4.
- MCLEAN, R.F.; DAVIDSON, C.F. 1968: The role of mass-movement in shore platform development along the Gisborne coastline, New Zealand. *Earth Sci. J.* 2(1) : 15-25.
- MACPHERSON, E.O. 1944: Notes on the geology of Whakatane district and Whale Island. *N.Z. Jl Sci. Technol., Sect. B* 26(2) : 66-76.
- MALAHOFF, A.; FEDEN, R.H.; FLEMING, H.F. 1977: Crustal extension processes in the Havre Trough, South Fiji and New Caledonia Basins. *EOS Trans. Am. geophys. Un.* 58(6) : 379.
- MALAHOFF, A.; FEDEN, R.H.; FLEMING, H.F. 1982: Magnetic anomalies and tectonic fabric of marginal basins north of New Zealand. *J. geophys. Res.* 87(B5) : 4109-25.
- MAMMERICKX, J.; CHASE, T.E.; SMITH, S.M.; TAYLOR, I.L. 1974: Bathymetry of the South Pacific, Chart 12 (revised). Scripps Institution of Oceanography, La Jolla.
- MAMMERICKX, J.; SMITH, S.M.; TAYLOR, I.L.; CHASE, T.E. 1973: Bathymetry of the South Pacific, Chart 13. Scripps Institution of Oceanography, La Jolla.
- MARSHALL, P. 1911: New Zealand and adjacent islands. *Handb. reg. Geol.* 5, 8(1) : 78 p.
- MARSHALL, P. 1912: "Geology of New Zealand". Government Printer, Wellington. 218 p.
- MARSHALL, P. 1932: Notes on some volcanic rocks of the North Island of New Zealand. *N.Z. Jl Sci. Technol.* 13(4) : 198-202.
- MARSHALL, P. 1933: The effect of the earthquake on the coastline near Napier. *N.Z. Jl Sci. Technol.* 15 : 77-99.
- MARSHALL, P. 1935: The comendite rocks of Mayor Island, Bay of Plenty, New Zealand. (Abstr.) *Rep. Australas. Ass. Advmt Sci.* 22 : 144.
- MARSHALL, P. 1936: Geology of Mayor Island. *Trans. R. Soc. N.Z.* 66(3) : 337-45.
- MATTI, J.C.; ZEMMELL, I.; COOK, H.E. 1973: Mineralogy and mineralogic trends in sediments from the Tasman and Coral Seas, Leg 21, Deep Sea Drilling Project. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 723-50.
- MAYER, W. 1965: The geology of the islands of Motutapu, Rakino and the Noises Group in the Hauraki Gulf, near Auckland. Unpubl. M.Sc. thesis, University of Auckland, New Zealand.
- MAYER, W. 1968: Petrology of the Waipapa group, near Auckland. *N.Z. Jl Geol. Geophys.* 12(2 & 3) : 412-35.
- MAYER, W. 1969: The stratigraphy and structure of the Waipapa group of islands of Motutapu, Rakino and the Noises group near Auckland, New Zealand. *Trans. R. Soc. N.Z., Geol.* 5(9) : 215-33.
- MEYLAN, M.A. 1976: A comparison of the morphology and mineralogy of manganese nodules from the Southwestern Pacific Basin and Northeastern Equatorial Pacific. In Glasby, G.P.; Katz, H.R. (eds) "Marine Geological Investigations in the Southwest Pacific and Adjacent Areas". Papers presented at the I.D.O.E. Workshop, Suva, Fiji, September 1975. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 2 : 92-98.
- MEYLAN, M.A.; BACKER, H.; GLASBY, G.P. 1975: Manganese nodule investigations in the Southwestern Pacific Basin, 1974. *NZOI oceanogr. Fld Rep.* 4 : 24 p.
- MIDDLETON, L.M.H. 1979: Petrology and petrochemistry of the Whangarei Heads area. Unpubl. Ph.D. thesis, University of Auckland, New Zealand.
- MILLIGAN, E.N. 1960: A note on the geology of Hen Island. *Tane* 8 : 105-6.
- MITRONOVAS, W. 1969: Seismic velocity anomalies in the upper mantle beneath the Tonga-Kermadec island arc. (Abstr.) Unpubl. Ph.D. thesis, Columbia University, New York. *Diss. Abstr. Int.* 33(7) : 3152B.
- MITRONOVAS, W.; ISACKS, B.L. 1971: Seismic velocity anomalies in the upper mantle beneath the Tonga-Kermadec island arc. *J. geophys. Res.* 76(29) : 7154-80. also in : *EOS Trans. Am. geophys. Un.* 50(4) : 246 (1969).

- MOLNAR, P. 1971: Movements, magnitudes, source dimensions, and stresses of shallow-focus earthquakes in the Tonga-Kermadec arc. (Abstr.) *In* Symposium on "Distribution of Stresses within the Earth, Slow Deformation, Mechanism of Earthquakes". *Gen. Assembly 15th Int. Un. Geod. Geophys.* : 42.
- MOLNAR, P.; WYSS, M. 1972: Movements, source dimensions and stress drops of shallow-focus earthquakes in the Tonga-Kermadec arc. *Phys. Earth Planet. Interiors* 6(4) : 263-78.
- MONAHAN, D.; FALCONER, R.K.H.; THARP, M. (scient. co-ord.) 1982: General Bathymetry Chart of the Oceans (GEBCO), 5th Edition. Sheet 5.10. Scale 1:10,000,000 at 0°. Mercator Projection. IHO/IOC.
- MONZIER, M. 1976: Manganese nodules and encrustations in the vicinity of New Caledonia and the Loyalty Islands. *In* Glasby, G.P.; Katz, H.R. (eds) "Marine Geological Investigations in the Southwest Pacific and Adjacent Areas". Papers presented at the I.D.O.E. Workshop, Suva, Fiji, September 1975. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 2 : 124-29.
- MURAV'YEV, V.I. 1974: [Formation of clays in oceanic sediments at the southwestern part of the Pacific Ocean.] *Litol. Polez. Iskop.* 4 : 24-38.
- MUTTER, J.C.; JONGSMA, O. 1978: The pattern of the pre-Tasman Sea rift system and the geometry of breakup. *Bull. Aust. Soc. explor. Geophys.* 9(3) : 70-75.
- NATHAN, S. 1977: Observations in the Kermadec on the effects of large earthquakes in Tonga. *In* Beatus, S.N. (ed.) "Volcano and Geothermal Observations 1976". *N.Z. volc. Rec.* 6 : 43-44.
- NELSON, C.S. 1978: Temperate shelf carbonate sediments in the Cenozoic of New Zealand. *Sedimentology* 25(6) : 737-72.
- NELSON, C.S. 1982: Shelf to Basin, temperate skeletal carbonate sediments, Three Kings Plateau, New Zealand. *J. sedim. Petrol.* 52(3) : 717-32.
- NELSON, C.S. 1982: Compendium of sample data for temperate carbonate sediment, Three Kings region, northern New Zealand. *Occ. Rep. Ser. Earth Sci. Dep. Univ. Waikato, Hamilton No. 7* : 95 p.
- NELSON, C.S.; HEALY, T.R. 1982: Side-scan sonar survey of the seafloor of northern Poverty Bay in the vicinity of the port of Gisborne. *Occ. Rep. Ser. Earth Sci. Dep. Univ. Waikato, Hamilton No. 9* : 38 p.
- NEPROCHNOV, Yu.P.; MOSKALENKO, V.N.; YEL'NIKOV, I.N.; SHISHKINA, N.A.; TKACHUK, A.N. 1976: New data on the structure of the sedimentary sequence in the Lord Howe Rise and the New Caledonia Basin. *Oceanology* 15(4) : 449-52.
- NEWMAN, P.H. 1979: Geophysical and geological study of on-land and offshore structures of the Hikurangi Trench. Unpubl. Ph.D. thesis, University of Auckland, New Zealand.
- NINKOVICH, D. 1968: Pleistocene volcanic eruptions in New Zealand recorded in deep sea sediments. *Earth Planet. Sci. Lett.* 4 : 89-102.
- NORRIS, R.M. 1972: Shell and gravel layers, western continental shelf, New Zealand. *N.Z. Jl Geol. Geophys.* 15(4) : 572-89.
- ORBELL, G.E. 1971: Parent material and age sequences in soils derived from Recent and Late Pleistocene volcanic ash, scoria and lava in New Zealand and Tongan islands. (Abstr.) *Proc. 12th Pacif. Sci. Congr., Canberra* 1 : 7.
- ORCHISTON, D.W. 1969: The White Island crater valley in 1826. *Trans. R. Soc. N.Z., Gen.* 2(10) : 139.
- OVERSBY, V.M.; EWART, A. 1972: Lead isotopic compositions of Tonga-Kermadec volcanics and their petrogenetic significance. *Contr. Miner. Petrol.* 37(3) : 181-210.
- PACKHAM, G.H. 1975: Aspects of the geological history of the New Hebrides and South Fiji Basins. *Bull. Aust. Soc. explor. Geophys.* 6(2/3) : 50-51.
- PACKHAM, G.H.; TERRILL, A. 1975: Submarine geology of the South Fiji Basin. *In* Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 617-46.

- PACKHAM, G.H.; VAN DER LINGEN, G.J. 1973: Progressive carbonate diagenesis at Deep Sea Drilling Project sites 206, 207, 208 and 210 in the Southwest Pacific and its relationship to sediment physical properties and seismic reflectors. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 495-522.
- PAIN, C.F. 1981: Late Quaternary tephra in the Coromandel Peninsula, North Island, New Zealand. (Note) *N.Z. Jl Geol. Geophys.* 24(4) : 571-73.
- PANDAY, D.P. 1979: Studies of the thermal regime and deep structure of the New Zealand region. Unpubl. Ph.D. thesis, Victoria University of Wellington, New Zealand.
- PANTIN, H.M. 1963: Mahia Bathymetry. *N.Z. oceanogr. Inst. Chart, Coastal Ser. 1:200,000.*
- PANTIN, H.M. 1977: Bay of Plenty Sediments. *N.Z. oceanogr. Inst. Chart, Coastal Ser. 1:200,000.*
- PANTIN, H.M.; GIBB, J.G. 1968: Mahia Sediments. *N.Z. oceanogr. Inst. Chart, Coastal Ser. 1:200,000.*
- PARIS, J.P.; BRADSHAW, J.D. 1977: Paleogeographie et geotectonique de la Nouvelle-Caledonie et de la Nouvelle-Zelande au Trias et au Jurassique. *Bull. Bur. Rech. Geol. Minier., Ser. 2, Sect. 4(1)* : 69-78.
- PETTINGA, J.R. 1982: Upper Cenozoic structural history, coastal southern Hawkes Bay, New Zealand. *N.Z. Jl Geol. Geophys.* 25 : 1499-91.
- PICKRILL, R.A.; MITCHELL, J.S. 1979: Ocean wave characteristics around New Zealand. *N.Z. Jl mar. Freshwat. Res.* 14(4) : 501-20.
- PILLAR, W.F.H.; WAKEFIELD, L.L. 1978: Structural and stratigraphic evolution of the Taranaki Basin, offshore New Zealand. *APEA Jl* 1978 : 93-102.
- PLOSHKO, V.V.; KALINENKI, V.V. 1975: [Oceanite and oceanite-ankaramite from Lord Howe Island in the Pacific.] *Dokl. Acad. Sci. USSR, Earth Sci. Sect.* 224(1-6) : 132-34. also in : *Dokl. Akad. Nauk SSSR* 224(5) : 1166-69.
- PLOSHKO, V.V.; TRONEVA, N.V. 1979: [Spinelides from oceanites at Lord Howe Island, Pacific Ocean.] *Geol. Zh.* 39(4) : 69-76.
- PLOSHKO, V.V.; TRONEVA, N.V.; SUKACH, V.S. 1979: [Fundamental characteristics of the mineralogy of Lord Howe Island oceanites, Pacific Ocean.] *Mineral. Zh.* 1(2) : 79-89.
- RAFTER, T.A.; WILSON, S.H.; SHILTON, W.B. 1958: Sulphur isotopic variations in nature. Part 6. Sulphur isotopic measurements on the discharge from fumaroles on White Island. *N.Z. Jl Sci.* 1(2) : 154-73.
- RAMSAY, W.R.H. 1971: Geology of south central Great Barrier Island. Unpubl. M.Sc. thesis, University of Auckland, New Zealand.
- RAMSAY, W.R.H.; HAYWARD, B.W. 1971: Geology of Whale Island (Motuhora). *Tane* 17 : 9-28.
- RANDALL, M.J. 1971: Regional travel times of P and S seismic waves between Fiji and New Zealand. *N.Z. Jl Geol. Geophys.* 14(1) : 133-52.
- RAVENNE, C.; DE BROIN, C.E. 1975: Campagne Austradec II - Zone oceanique entre Nouvelle-Caledonie et Nouvelle-Zeland. Rapport d'interpretation CFP, IFP, SNPA, ORSTOM, ELF-ERAP. 44 p.
- REYNERS, M. 1983: Lateral segmentation of the subducted plate at the Hikurangi Margin, New Zealand : Seismological evidence. *Tectonophysics* 96 : 203-23.
- RICHARD, J.J. 1962: Catalogue of the active volcanoes of the world including solfataras fields. Part XIII : Kermadec, Tonga, and Samoa. International Volcanological Association, Rome. 38 p.
- RICHARDS, J.R.; COOPER, J.A.; BLACK, P.M. 1966: Potassium-argon age of plutonic intrusives on Cape Colville Peninsula and Cuvier Island, New Zealand. *Nature, Lond.* 211(5050) : 725-26.
- RICHTER, F.M. 1979: Focal mechanisms and seismic energy release of deep and intermediate earthquakes in the Tonga-Kermadec region and their bearing on the depth extent of mantle flow. *J. geophys. Res.* 84(B12) : 6783-95.
- RIDGWAY, N.M. 1970: Hydrology of the southern Kermadec Trench region. *Mem. N.Z. oceanogr. Inst.* 56 : 28 p.

- RIDGWAY, N.M.; HEATH, R.A. 1975: Hydrology of the Kermadec Islands region. *Mem. N.Z. oceanogr. Inst.* 73 : 28 p.
- ROBERTS, N.L. 1967: Magnetic survey of Bay of Plenty, *N.Z. Dep. scient. ind. Res. Geophys. Div. Rep.* 40 : 4 p + data.
- RUTHERFORD, N.F. 1978: A comment on the source of Mayor Island pantellerite magma. *N.Z. Jl Geol. Geophys.* 21(4) : 449-53.
- SCHOFIELD, J.C. 1970: Coastal sands of Northland and Auckland. *N.Z. Jl Geol. Geophys.* 13(3) : 767-824.
- SCHOFIELD, J.C. 1975: Beach changes in the Hauraki Gulf, 1965-68 : Effect of wind, sea-level change, and off-shore dredging. *N.Z. Jl Geol. Geophys.* 18(1) : 109-27.
- SCHOFIELD, J.C. 1981: Recent uplift at Raoul Island, Kermadec Group, Southwest Pacific. (Note) *N.Z. Jl Geol. Geophys.* 24(4) : 569-70.
- SCHOFIELD, J.C.; WATERHOUSE, B.C. 1974: Evidence for Quaternary sea-level stillstands, Manukau Barrier. *N.Z. Jl Geol. Geophys.* 17 : 482-84.
- SHAW, R.D. 1978: Sea floor spreading in the Tasman Sea : A Lord Howe Rise-Eastern Australian reconstruction. *Bull. Aust. Soc. explor. Geophys.* 9(3) : 75-81.
- SKINNER, D.N.B. 1968: Mineral potential of islands of the Mercury group. Unpubl. Report, N.Z. Geological Survey, Wellington. File 22/1178. 2 p.
- SLANSKY, E. 1975: Natroalunite and alunite from White Island volcano, Bay of Plenty, New Zealand. *N.Z. Jl Geol. Geophys.* 18(2) : 285-93.
- SLATER, R.A.; GOODWIN, R.H. 1973: Tasman Sea guyots. *Mar. Geol.* 14(2) : 81-89.
- SLATER, R.A.; PHIPPS, C.U.T. 1977: A preliminary report on the coral reefs of Lord Howe Island and Elizabeth Reef, Australia. *Proc. 3rd Int. Coral Reef Symp.* 3(2) : 313-18.
- SMALL, A.K. 1969: The geology of the Chicken Islands. Unpubl. M.Sc. thesis, University of Auckland, New Zealand.
- SPEIGHT, R. 1914: Note on the andesites of White Island. *Trans. Proc. N.Z. Inst.* 46 : 298-300.
- SPORLI, K.B. 1980: New Zealand and oblique-slip margins : Tectonic development up to and during the Cainozoic. *Spec. Publ. Int. Ass. Sediment.* 4 : 147-70.
- SPORLI, K.B. 1982: Review of paleostrain/stress directions in Northland, New Zealand, and of the structure of the Northland Allochthon. *Tectonophysics* 87(1-4) : 25-36.
- STEVENS, G.R. 1977: Mesozoic biogeography of the Southwest Pacific and its relationship to plate tectonics. Pp 309-26 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- STEWART, M.K.; HULSTON, J.R. 1975: Stable isotope ratios of volcanic steam from White Island, New Zealand. *Bull. volcan.* 39(1) : 28-46.
- STOCK, J.; MOLNAR, P. 1982: Uncertainties in the relative positions of the Australia, Antarctica, and Lord Howe, and Pacific plates since the Late Cretaceous. *J. geophys. Res.* 87(B6) : 4697-4714.
- STOESER, D.B. 1975: Igneous rocks from Leg 30 of the Deep Sea Drilling Project. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 401-14.
- SUMICH, J. 1956: Notes on the geology of the Poor Knights Islands. *Tane* 7 : 64-65.
- TANADIER, R. 1977: Exploration of submarine soils in Lord Howe Island. *Proc. 9th Int. Conf. Soil Mech. Foundation Engng* 1 : 83-89.
- TAYLOR, N.H. 1961: Soils of the inner islands of the Hauraki Gulf. *Proc. N.Z. ecol. Soc.* 7 : 27-29.
- TAYLOR, P.T.; BRENNAN, J.A. 1969: Airborne magnetic data across the Tasman Sea. *Nature, Lond.* 224 : 1100-2.
- TERRILL, A. 1975: Depositional and tectonic patterns in the northern Lord Howe Rise-Mellish Rise area. *Bull. Aust. Soc. explor. Geophys.* 6(2-3) : 37-39.
- THOMPSON, B.N. 1964: Basalt at Anchorite Rock, Hauraki Gulf. *N.Z. Jl Geol. Geophys.* 7(3) : 525-28.
- THOMPSON, B.N. 1965: White Island. In "New Zealand Volcanology". *N.Z. Dep. scient. ind. Res. Inf. Ser.* 49 : 68-69.

- THOMPSON, B.N.; WODZICKI, A.; WEISSBERG, R.G. 1967: Geology and mineralisation of Coppermine Island, with appendix on soil geochemistry. *N.Z. geol. Surv. Rep.* 25.
- THOMPSON, I.C. 1975: Recent Foraminifera and superficial sediments on an area of the continental shelf and slope east of the North Island, New Zealand. Unpubl. M.Sc. thesis, Geology Department, University of Auckland, New Zealand.
- THOMPSON, J.G. 1982: Hydrocarbon source rock analyses of Pakawau Group and Kapuni Formation sediments, northwest Nelson and offshore south Taranaki, New Zealand. *N.Z. Jl Geol. Geophys.* 25(2) : 141-48.
- THOMSON, J.A. 1926: Geological notes on Mayor Island. *N.Z. Jl Sci. Technol.* 8 : 210-14.
- TKACHUK, A.N. 1976: New data on the structure of the sedimentary sequence in the Lord Howe Rise and the New Caledonia Basin. *Oceanology* 15(4) : 449-52.
- VAN DER LINDEN, W.J.M. 1966: Tasman Sea. Pp 898-902 in Fairbridge, R.W. (ed.) "Encyclopaedia of Oceanography". Reinhold Publishing Corporation, New York. 1021 p.
- VAN DER LINDEN, W.J.M. 1966: Egmont Bathymetry. *N.Z. oceanogr. Inst. Chart, Coastal Ser.* 1:200,000.
- VAN DER LINDEN, W.J.M. 1968: Three Kings Bathymetry. *N.Z. oceanogr. Inst. Chart, Oceanic Ser.* 1:1,000,000.
- VAN DER LINDEN, W.J.M. 1968: Lord Howe Bathymetry. *N.Z. oceanogr. Inst. Chart, Oceanic Ser.* 1:1,000,000.
- VAN DER LINDEN, W.J.M. 1968: Raglan Bathymetry. *N.Z. oceanogr. Inst. Chart, Coastal Ser.* 1:200,000.
- VAN DER LINDEN, W.J.M. 1968: Cook Bathymetry. *N.Z. oceanogr. Inst. Chart, Oceanic Ser.* 1:1,000,000.
- VAN DER LINDEN, W.J.M. 1970: Morphology of the Tasman Sea floor. *N.Z. Jl Geol. Geophys.* 13(1) : 282-91.
- VAN DER LINDEN, W.J.M. 1971: High resolution bathymetry : An aid to geophysical prospecting. *Geophysics* 86 : 960-62.
- VAN DER LINDEN, W.J.M. 1973: Mokau Bathymetry. *N.Z. oceanogr. Inst. Chart, Coastal Ser.* 1:200,000.
- VAN DER LINGEN, G.J. 1973: The Lord Howe Rise rhyolites. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 523-40.
- VAN DER LINGEN, G.J. 1973: Ichnofossils in deep-sea areas from the Southwest Pacific. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 693-700.
- VAN DER LINGEN, G.J. *et al.* 1973: Lithostratigraphy of eight drill sites in the Southwest Pacific : Preliminary results of Leg 21 of the Deep Sea Drilling Project. Pp 229-31 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- VAN DER LINGEN, G.J. 1982: Development of the North Island subduction system, New Zealand. *Spec. Publ. geol. Soc. Lond.* 10 : 259-72.
- VELLA, P. 1973: Ocean paleotemperatures and oscillations of the Subtropical Convergence zone on the eastern side of New Zealand. Pp 315-18 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- VERNON, J.E.N. 1974: Southern geographic limits to the distribution of Great Barrier hermatypic corals. *Proc. 2nd Int. Coral Reef Symp.* 1 : 465-73.
- WALCOTT, R.J. 1978: Present tectonics and Late Cenozoic evolution of New Zealand. *Geophys. J. R. astr. Soc.* 52 : 37-64.
- WALCOTT, R.J. 1978: Geodetic strains and large earthquakes in the axial tectonic belt of North Island, New Zealand. *J. geophys. Res.* 83(B9) : 4419-29.
- WANO, R.J.; LEWIS, K.B. 1972: Gazetteer of seafloor features in the New Zealand region. *NZOI Rec.* 1(5) : 67-106.
- WATERHOUSE, J.B. 1973: The Permian-Triassic boundary in New Zealand and New Caledonia and its relationship to world climatic changes and extinction of Permian life. *Mem. Can. Soc. Petrol. Geol.* 2 : 445-64.

- WATKINS, N.D.; HUANG, T.C. 1977: Tephra in abyssal sediments east of the North Island, New Zealand; Chronology, paleowind velocity, and paleoexplosivity. *N.Z. Jl Geol. Geophys.* 20(1) : 179-99.
- WATSON, J.L. 1979: Magnetic assessment of Waipipi ironsands. *N.Z. Jl Sci.* 22(1) : 87-93.
- WATTS, A.B.; WEISSEL, J.K.; DAVEY, F.J. 1976: Mid-Cenozoic evolution of the South Fiji marginal basin. *EOS Trans. Am. geophys. Un.* 57(4) : 33.
- WATTS, A.B.; WEISSEL, J.K.; DAVEY, F.J. 1977: Tectonic evolution of the South Fiji marginal Basin. Pp 419-28 in Talwani, M.; Pitman, W.C. (eds) "Island Arcs, Deep Sea Trenches, and Back-arc Basins". Maurice Ewing Series 1. American Geophysical Union, Washington. 470 p.
- WEBB, P.N. 1973: Preliminary comments on Maastrichtian-Paleocene Foraminifera from Lord Howe Rise, Tasman Sea. Pp 321-24 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- WEBB, P.N. 1973: Upper Cretaceous-Paleocene Foraminifera from site 208 (Lord Howe Rise, Tasman Sea), DSDP, Leg 21. In Burns, R.E.; Andrews, J.E. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 541-74.
- WEISSEL, J.K.; WATTS, A.B. 1975: Tectonic complexities in the South Fiji marginal basin. *Earth Planet. Sci. Lett.* 28(2) : 121-26.
- WEISSEL, J.K.; WATTS, A.B. 1979: Evolution of the Coral Sea Basin. In Uyeda, S.; Murphy, R.W.; Kobayashi, K. (eds) "Geodynamics of the Western Pacific". Proceedings of the International Conference on Geodynamics of the Western Pacific - Indonesian Region, March 1978, Tokyo. *Adv. Earth Planet. Sci.* 6.
- WELLMAN, H.W. 1973: New Zealand fault zones and sea-floor spreading. Pp 335-48 in Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". The University of Western Australia Press, Nedlands. 675 p.
- WILLCOX, J.B. 1980: Structure and petroleum potential of the Lord Howe Rise. *BMR Jl Aust. Geol. Geophys.* 5(3) : 241.
- WILLCOX, J.B.; SYMONDS, P.A. 1980: Structure, seismic stratigraphy, and petroleum potential of the Lord Howe Rise area. (Abstr.) In "Second International Workshop on Geology, Mineral Resources and Geophysics of the South Pacific", New Caledonia, October 1980. CCOP/SOPAC-IOC/WESTPAC.
- WILLCOX, J.B.; SYMONDS, P.A.; HINZ, K.; LENNETT, D. 1980: Lord Howe Rise, Tasman Sea - Preliminary geophysical results and petroleum prospects. *BMR Jl Aust. Geol. Geophys.* 5(3) : 225-36.
- WILLIAMS, P.W. 1977: Progradation of Whatipu Beach, 1844-1976, Auckland, New Zealand. *N.Z. Geogr.* 33(2) : 84-89.
- WODZICKI, A.; BOWEN, F.E. 1979: The petrology of Poor Knights Islands : A fossil geothermal field. (Note) *N.Z. Jl Geol. Geophys.* 22(6) : 751-54.
- WODZICKI, A.; THOMPSON, B.N. 1970: The geology and mineralisation of Coppermine Island. *N.Z. Jl Geol. Geophys.* 13(3) : 631-46.
- WOODWARD, D.J.; HUNT, T.M. 1971: Crustal structure across the Tasman Sea. *N.Z. Jl Geol. Geophys.* 14(1) : 39-45.
- WRIGHT, A.C.S.; METSON, A.J. 1959: Soils of Raoul (Sunday) Island, Kermadec Group. *Bull. N.Z. Soil Bur., n.s.* 10.
- YATES, T.E.; BROOKS, R.R.; BOSWELL, C.R. 1974: Biogeochemical exploration of Coppermine Island, New Zealand. *N.Z. Jl Sci.* 17(2) : 151-60.
- ZAMANI, A.; MURRELL, S.A.F. 1978: Body-wave spectral structure of 14 earthquakes with mb 'greater or equal to' 6.0 determined from WWSSN long period records for 1964-1974. *Geophys. J. R. astr. Soc.* 53(1) : 173-74.
- ZDOROVENIN, V.V.; SUZYUMOV, A.Y. 1973: [Characteristics of the distribution and structure of the sedimentary layer in the Tonga-Kermadec island arc.] *Sov. Geol.* 4 : 132-37.
- ZUTELJA, B. 1976: Geology of the Whitianga group, Great Mercury Island - Part II. Structures in the minden rhyolite of southern Great Mercury Island. *Tane* 22 : 15-22.

**BIBLIOGRAPHY OF THE  
GEOLOGY AND GEOPHYSICS  
OF NIUE**

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A bibliography by E. Bardsley published in 1975 (*Misc. Publs N.Z. oceanogr. Inst.* 68 : 13 p) has been used as the basis of this present work and has been extended to include references up to February 1983. It includes also those papers presented at the 15th Pacific Science Congress held in the Dunedin, New Zealand, the same month.

Further entries were located from a manual search of journals held in the Library at N.Z.O.I. and from computer searches carried out through various data bases in conjunction with larger island territories. Some of the references have not been seen, and have not been verified.

## NIUE

- ANON. 1951: Soil survey of Niue. *N.Z. Sci. Rev.* 9 : 15.
- BIRKS, L.; BIRKS, H. 1974: Radiocarbon dates for Niue Island. *N.Z. archaeol. Ass. Newsl.* 17(4) : 211.
- BARDSLEY, E. 1975: Preliminary bibliography of geology and geophysics of the Cook Islands and Niue. *Misc. Publs N.Z. oceanogr. Inst.* 68 : 13 p.
- BIRRELL, K.S.; SEELYE, F.T.; GRANGE, L.I. 1939: Chromium in soils of western Samoa and Niue Island. *N.Z. Jl Sci. Technol. Ser. A21* : 91-95.
- BROADHEAD, M.H. 1954: Niue Island : a bibliography. Unpubl. Rep., Alexander Turnbull Library, Wellington.
- BRODIE, J.W. 1966: Niue Bathymetry. *N.Z. oceanogr. Inst. Chart, Island Ser. 1:200,000.*
- CHECK, M.G. 1956: The Cook Islands and Niue. *Proc. 1st N.Z. Geogr. Soc. Conf., Auckland* : 92-97.
- CHURCHILL, W. 1908: Niue : a reconnaissance. *Bull. Am. geogr. Soc. N.Y.* 40(3) : 150-56.
- CLARIDGE, G.G.C. 1983: Clay mineral trends in the South Pacific. (Abstr.) *Progm. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 44.
- CLARIDGE, G.G.C.; PERCIVAL, H.J. 1980: Clay for brick-making : A study of the suitability of the soils of the Pacific islands. *N.Z. Jl Sci.* 23(4) : 335-42.
- EADE, J.V. 1971: Tonga Bathymetry. *N.Z. oceanogr. Inst. Chart, Oceanic Ser. 1:1,000,000.*
- EADE, J.V. 1973: Geographical distribution of living planktonic Foraminifera in the South-west Pacific. Pp 249-56 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- DUBOIS, J.; LAUNAY, J.; RECY, J. 1975: Lithospheric bulges close to island arcs. (Abstr.) *Abstr. 13th Pacif. Sci. Congr., Vancouver 1* : 399.
- FIELDES, M. 1971: Significance of soils of Niue Island with soils formed as coral limestone in the Pacific. (Abstr.) *Abstr. 12th Pacif. Sci. Congr. Canberra 12(1)* : 2.
- FIELDES, M.; BEALING, G.; CLARIDGE, G.G.C.; WELLS, N.; TAYLOR, N.H. 1960: Mineralogy and radioactivity of Niue Island soils. *N.Z. Jl Sci.* 3 : 658-75.
- FOUHY, E.; THOMPSON, R.M.C. 1980: Selected list of bibliographies of South Pacific Islands. *Misc. Publs N.Z. oceanogr. Inst.* 91 : 30 p.
- HYODO, M.; ISHIZAWA, T.; HASE, Y.; INOKUCHI, H.; ISEZAKI, N.; YASKAWA, K. 1980: Preliminary report on the magnetic survey in Niue Island. *Rock magn. Paleogeophys.* 7 : 36-39.
- JACOBSON, G.; HILL, P.J. 1980: Hydrogeology of a raised coral atoll - Niue Island, South Pacific Ocean. *BMR Jl Aust. Geol. Geophys.* 5(4) : 271-78.
- KRAUSS, N.L.H. 1970: Bibliography of Niue, South Pacific. Krauss, 2437 Parker Place, Honolulu, Hawaii.
- KROENKE, L.W.; JOUANNIC, C.; WOODWARD, P. (comps) 1983: Bathymetry of the South-west Pacific. Chart 1 of the Geophysical Atlas of the Southwest Pacific. Scale 1:6,442,192 at 0°. 2 Sheets. Mercator Projection. CCOP/SOPAC.
- LANDS AND SURVEY, New Zealand, 1978: Niue. Pp 31-32, pl. 16 in "Atlas of the South Pacific". Government Printer, Wellington.
- MAMMERICKX, J.; CHASE, T.E.; SMITH, S.M.; TAYLOR, I.L. 1974: Bathymetry of the South Pacific, Chart 12 (revised). Scripps Institution of Oceanography, La Jolla.
- MAMMERICKX, J.; SMITH, S.M.; TAYLOR, I.L.; CHASE, T.E. 1973: Bathymetry of the South Pacific, Chart 13. Scripps Institution of Oceanography, La Jolla.
- MARSDEN, E.; FERGUSON, G.J.; FIELDES, M. 1958: Notes on the radioactivity of soils with application to Niue Island. *Proc. 2nd Int. Conf., Peaceful Uses of Atomic Energy, Geneva 18* : 514.
- MONAHAN, D.; FALCONER, R.H.K.; THARP, M. (scient. co-ord.) 1982: General Bathymetric Chart of the Oceans (GEBCO). 5th Edition. Sheet 5.10. Scale 1:10,000,000 at 0°. Mercator Projection. IHO/IOC.
- RANKIN, P.C. 1983: Niue Island, an anomaly? (Abstr.) *Progm. Abstr. 15th Pacif. Sci. Congr., Dunedinj* : 193.

- RODGERS, K.A.; EASTON, A.J.; DOWNES, C.J. 1982: The chemistry of carbonate rocks of Niue Island, South Pacific. *J. Geol.* 90(6) : 645-62.
- SCHOFIELD, J.C. 1959: The geology and hydrology of Niue Island, South Pacific. *Bull. N.Z. geol. Surv., n.s.* 62 : 28 p.
- SCHOFIELD, J.C. 1967: Origin of radioactivity at Niue Island. *N.Z. Jl Geol. Geophys.* 10(6) : 1362-71.
- SCHOFIELD, J.C. 1969: Niue groundwater. In "Industrial Minerals and Rocks 1968". *N.Z. Dep. scient. ind. Res. Inf. Ser.* 63 : 105-9.
- SCHOFIELD, J.C.; NELSON, C.S. 1978: Dolomitisation and Quaternary climate of Niue Island, Pacific Ocean. *Pacif. Geol.* 13 : 37-48.
- SOIL, BUREAU, New Zealand, 1958: Soil map of Niue Island, 1:63,360. *N.Z. Soil Bur. Map.*
- TROTTER, M.M. 1979: Niue Island archaeological survey. *Bull. Canterbury Mus.* 7 : 62 p.
- WATERHOUSE, B.C. 1981: Hydrogeology of the southern Cook Islands, Niue, and Tonga. *S. Pacif. tech. Inventory* 2 : 57-74.
- WIDDOWSON, J.P. 1960: Zinc deficiency on the shallow soils at Niue Island. 1. Field investigations. *N.Z. Jl agric. Res.* 9(1) : 44-58.
- WRIGHT, A.C.S. 1950: Soil reconnaissance of Niue Island. Unpubl. Rep., N.Z. Department of Island Territories, Wellington.
- WRIGHT, A.C.S. 1956: "The Soils of Niue". Whitcombe & Tombs, Wellington. 48 p.
- WRIGHT, A.C.S.; WESTENDORP, F.J. 1965: Soils and agriculture of Niue Island. *Bull. N.Z. Soil Bur.* 17 : 80 p.

BIBLIOGRAPHY OF THE  
GEOLOGY AND GEOPHYSICS OF  
PAPUA NEW GUINEA

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When the *Bibliography of Geology and Geophysics of the South Pacific* was issued in 1975, it was noted in the Introduction that an annotated bibliography covering Papua New Guinea was in the course of publication by the Australian Bureau of Mineral Resources. This was issued as :

MANSER, W. 1974: Earth Science Abstracts, Papua New Guinea, to 1971. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 143 (PNG 8) : 444 p.

and has become the definitive reference source for Papua New Guinea earth sciences, including geomorphology and, to a lesser extent, pedology. Two subsequent updates have been issued:

MANSER, W.; REYNOLDS, N.M. 1975: Earth Science Abstracts 1972-73. *Mem. geol. Surv. Papua New Guinea* 4 : 172 p.

MANSER, W. 1978: Earth Science Abstracts 1974-76. *Mem. geol. Surv. Papua New Guinea* 5 : 295 p.

A further update covering the period 1977-79 is currently in press as *Memoir, Geological Survey, Papua New Guinea* 8 but it is not expected to appear for some time.

Author-alphabetic check lists of the entries in *Memoirs* 4, 5, and 8 have been issued *University of Papua New Guinea, Geology Department, Occasional Papers* 2 (1974), 3 (1977), 4 (1980).

The entries in this present compilation combine relevant articles cited in the forthcoming *Memoir* 8 and articles currently being accumulated for the next update issue. This list is, as far as possible, complete to the end of 1981, though as a matter of deliberate intent some items have been excluded, i.e., reports and commentaries on mineral and petroleum exploration and mining activities when these reports do not contain new geological data, production data, or revised reserve figures; I.S.C. monthly *Bulletins*, "Lists of Events and Associated Observations".

There are inevitable omissions arising from such contributing factors as delays in receipt of journals or inter-library-loan requested items, lack of access to some journals (especially the Russian literature), uncompleted search of some sources (e.g., *SEAN Bulletin*), and the compiler's ignorance of the existence of some items. Notification of omissions would be welcomed.

## PAPUA NEW GUINEA

- ADAMS, C.G.; BELDFORD, D.J. 1979: A new foraminifer from the middle Eocene of Papua New Guinea. *Paleontology* 22(1) : 181-87.
- ADAMS, R.D. 1977: Survey of practice in determining magnitudes of near earthquakes. Part 2. Europe, Asia, Africa, Australia, the Pacific. *Rep. Wld Data Cent., A Solid Earth Geophys. SE-8* : 67 p.
- AHARON, P.; CHAPPELL, J.; COMPSTON, W. 1980: Stable isotope and sea-level data from New Guinea supports Antarctic ice-surge theory of ice ages. *Nature, Lond.* 283 (5748) : 649-51.
- ALMOND, R.A. 1979: Manam. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1977". *Bull. volc. Eruptions* 17 : 22-23.
- ALMOND, R.A. 1979: Langila. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1977". *Bull. volc. Eruptions* 17 : 24-25.
- ALMOND, R.A. 1969: Kadovar. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1977". *Bull. volc. Eruptions* 17 : 82.
- AMBROSE, W.R. 1975: Obsidian and its prehistoric distribution in Melanesia. Pp 351-78 in Barnard, N. (ed.) "Proceedings of a Symposium on Scientific Methods of Research in the Study of Ancient Chinese Bronzes and Southeast Asian Metal and other Archaeological Artifacts". National Gallery of Victoria, Melbourne.
- ANDERSON, R.N.; LANGSTRETH, M.G.; HAYES, D.E.; WATANABE, T.; YASUI, M. 1978: Heat flow, thermal conductivity, thermal gradient. In Hayes, D.E. (ed.) "A Geophysical Atlas of East and Southeast Asian Seas". Geological Society of America, MC-25, 8 + map.
- ANDREWS, J.E. 1973: Correlation of seismic reflectors. In Burns, R.E.; Andrews, J.E. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 459-80.
- ANDREWS, J.E.; PACKHAM, G.H. et al. 1973: Southwest Pacific structures, Leg 30 : Deep Sea Drilling Project. *Geotimes* 18(9) : 18-21.
- ANDREWS, J.E. et al. 1974: Deep Sea Drilling Project : Leg 21, Tasman Sea - Coral Sea; (Preliminary Results). Pp 185-99 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- ANDREWS, J.E.; PACKHAM, G.H. et al. 1975: "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 753 p.
- ANON. 1972: Bougainville : Australia's most formidable mining undertaking. *Aust. Min.* 64(4) : 60-65.
- ANON. 1972: Papua New Guinea. *Wld Mining, Catalog Surv. & Directory No.* 178.
- ANON. 1972: Geology and exploration. *Wld Mining* 1972 : 56-57.
- ANON. 1972: New Britain earthquake, New Britain, New Guinea. *Rep. Rev. Events Smithsonian. Instn. Cent. short-lived Phenom.* 1971 : 96-97.
- ANON. 1973: Papua New Guinea. *Wld Mining, Catalog Surv. & Directory No.* 195.
- ANON. 1974: Papua New Guinea. *Wld Mining, Catalog Surv. & Directory No.* 195-77.
- ANON. 1975: Woodlark Island earthquake, Solomon Sea. *Rep. Rev. Events Smithsonian. Instn Cent. short-lived Phenom.* 1974 : 161.
- ANON. 1975: Papua New Guinea. *Wld Mining, Catalog Surv. & Directory No.* 181.
- ANON. 1976: Papua New Guinea. *Wld Mining, Catalog Surv. & Directory No.* 174-75.
- ANON. 1977: Papua New Guinea. *Min. a. Rev.* 1977 : 383-84.
- ANON. 1979: Papua New Guinea. *Min. a. Rev.* 1978 : 406-7.
- ANON. 1979: Papua New Guinea. *Wld Mining, Catalog Surv. & Directory No.* 243.
- ANON. 1980: The Ok Tedi Copper/gold project. *BHP Tech. Bull.* 24(1) : frontis.
- ANON. 1980: Papua New Guinea. *Min. a. Rev.* 1979 : 432.
- ANON. 1980: Papua New Guinea. *Wld Mining, Catalog Surv. & Directory No.* 145-46.
- ANON. 1981: Langila volcano, New Britain Island, Papua New Guinea (5.53°S, 148.42°E). *SEAN Bull.* 6(10) : 4.
- ANON. 1981: Manam volcano, off the coast of New Guinea (4.10°S, 145.06°E). *SEAN Bull.* 6(10) : 4-5.

- ANON. 1981: Papua New Guinea. *Min. a. Rev.* 1980 : 415–16.
- APPLEBY, P.G.; OLDFIELD, F. 1978: The calculation of lead-210 dates assuming constant rate of supply of unsupported  $^{210}\text{Pb}$  to the sediment. *Catena* 5(1) : 1–8.
- ARCHER, M.; BARTHOLOMAI, A. 1978: Tertiary mammals of Australia : A synoptic view. *Alcheringa* 2 : 1–19.
- ARCULUS, R.J. 1979: Volcanic rocks of the Witu Islands : The origin of magmas above the deepest part of the New Britain Benioff zone. (Abstr.) *Proc. 49th ANZAAS Congr., Auckland 1* : 179.
- ARCULUS, R.J. 1979: Island arc magmatism in relation to the evolution of the mantle and crust. (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys., Canberra* : Paper 08/15, 268.
- ARCULUS, R.J.; JOHNSON, R.W. 1978: Evaluation of generalised models for the magmatic evolution of arc-trench systems. (Abstr.) Pp 202–3 in "International Geodynamics Conference, Magma Genesis Symposium, Tokyo, March 1978".
- ARCULUS, R.J.; JOHNSON, R.W. 1978: Criticism of generalised models for the magmatic evolution of arc-trench systems. *Earth Planet. Sci. Lett.* 39 : 118–26.
- ARCULUS, R.J.; JOHNSON, R.W. 1980: 1937 Rabaul eruptions, Papua New Guinea : Translations of contemporary accounts by German missionaries. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 229.
- ARCULUS, R.J.; JOHNSON, R.W. 1981: Geochemical assessment of the sources of island – arc magmas. (Abstr.) Pp 16–17 in "IAVCEI Symposium – Arc Volcanism", Tokyo and Hakone, August–September 1981.
- ARCULUS, R.J.; JOHNSON, R.W. 1981: Mineralogy of strongly silica under-saturated volcanic rocks from the Tabar, Lihir, Tanga and Feni Islands, Papua New Guinea. (Abstr.) Pp 18–19 in "IAVCEI Symposium – Arc Volcanism", Tokyo and Hakone, August–September 1981.
- ARCULUS, R.J.; JOHNSON, R.W.; CHAPPELL, B.W.; MCKEE, C.O. 1981: Petrology of the 1951 cumulodome and other lavas of Mount Lamington, Papua New Guinea : Ophiolite-contaminated andesites and anhydrite occurrence. (Abstr.) Pp 20–21 in "IAVCEI Symposium – Arc Volcanism", Tokyo and Hakone, August–September 1981.
- ARCULUS, R.J.; JOHNSON, R.W.; PERFIT, M.R. 1978: Alkaline volcanic rocks of the Tabar-to-Feni Islands, Papua New Guinea : Oceanic or island arc volcanics. (Abstr.) Pp 200–1 in "International Geodynamics Conference, Magma Genesis Symposium, Tokyo, March 1978.
- ARNAUTOV, G.P.; BOULANGER, Y.D.; KARNER, G.D.; SHCHELGLOV, S.N. 1979: Absolute determinations of gravity in Australia and New Guinea during 1979. *BMR JI Aust. Geol. Geophys.* 4(4) : 383–93.
- ARNOLD, G.O.; GRIFFIN, T.J. 1978: Intrusions and porphyry copper prospects of the Star Mountains, Papua New Guinea. *Econ. Geol.* 73(5) : 785–95.
- ASAMI, N.; BRITTEN, R.M. 1980: The porphyry copper deposits at the Frieda River prospects, Papua New Guinea. *Min. Geol., Spec. Issue* 8 : 117–39.
- ASHLEY, P.M.; FLOOD, R.H. 1981: Low-K tholeiites and high-K igneous rocks from Woodlark Island, Papua New Guinea. *J. geol. Soc. Aust.* 28(2) : 227–40.
- AYRES, D.E.; BURNS, M.S.; SMITH, B.W. 1981: A sulphur isotope reconnaissance study of the porphyry copper deposits at Panguna and Mt Fubilan, Papua New Guinea. *Pacif. Geol.* 15 : 37–50.
- BAIN, J.H.C. 1976: BMR's regional mapping and metal search programme in Papua New Guinea 1962–1974. *Aust. Min., March 1976* : 13–26.
- BALDWIN, J.T.; SWAIN, H.D.; CLARK, G.H. 1978: Geology and grade distribution of the Panguna porphyry copper deposit, Bougainville, Papua New Guinea. *Econ. Geol.* 73(5) : 690–702.
- BAMFORD, R.W.; AYRES, D.W. – The Mount Fubilan (Ok Tedi porphyry copper deposit) – Geology, geochemistry and origin. (Abstr.) *Min. Engng* 27(12) : 71.
- BANNER, J.L.; BENCE, A.E.; JOHNSON, R.W. 1980: Petrology of an island arc volcanic complex, Lolobau Island, New Britain. *EOS Trans. Am. geophys. Un.* 61 : 401.

- BANNER, J.L.; JOHNSON, R.W.; BENCE, A.E.; TAYLOR, S.R. 1981: Magnetic evolution at Lolobau Island, New Britain Island arc. (Abstr.) Pp 30-31 in "IAVCEI Symposium - Arc Volcanism", Tokyo and Hakone, August-September 1981.
- BARAZANGI, M. 1977: Relative excitation of Sn and Lg as a function of source depth and their propagation from Melanesia and Banda arc to Australia. (Abstr.) *EOS Trans. Am. geophys. Un.* 58(12) : 1183.
- BAREAU, P. 1977: *Gold. Min. a. Rev.* 1977 : 27-29.
- BELFORD, D.J. 1977: *Quasicyclammina* gen. nov. and *Thalmannammina* (Foraminiferida) from the Palaeocene of Papua New Guinea. *BMR JI Aust. Geol. Geophys.* 2 : 35-42.
- BELFORD, D.J. 1978: The genus *Triplasia* (Foraminiferida) from the Miocene of Papua New Guinea. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 192 : 1-7.
- BELFORD, D.J. 1981: Co-occurrence of middle Miocene larger and planktic Foraminifera, New Ireland, Papua New Guinea. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 209 : 3-21.
- BERGER, W.H.; JOHNSON, T.C. 1976: Deep-sea carbonates : Dissolution and mass wasting on Ontong Java Plateau. *Science, N.Y.* 192 : 785-87.
- BERGER, W.H.; JOHNSON, T.C.; HAMILTON, E.L. 1977: Sedimentation on Ontong Java Plateau : Observations on a classic 'carbonate monitor'. Pp 543-67 in Anderson, N.R.; Malahoff, A. (eds) "Fate of Fossil Fuel Co<sub>2</sub> in the Ocean". Plenum Publishing Corp., New York.
- BINNEKAMP, J.G.; BELFORD, D.J.; TERPSTRA, G.R.J. 1978: Micropalaeontological reports. Appendix 1 in Hohnen, P.D. "Geology of New Ireland, Papua New Guinea". *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 194 (PNG 12) : 36-37.
- BIRD, J.R.; RUSSELL, L.H. 1975: Application of prompt nuclear analysis techniques to the study of artifacts including Southwest Pacific obsidian. Pp 317-36 in Barnard, N. (ed.) "Proceedings of a Symposium on Scientific Methods of Research in the Study of Ancient Chinese Bronzes and Southeast Asian Metal and Other Archaeological Artifacts". National Gallery of Victoria, Melbourne.
- BLEEKER, P.; SPEIGHT, J.H. 1978: Soil - landform relationships at two localities in Papua New Guinea. *Geoderma* 21(2) : 183-98.
- BLONG, R.J. 1975: The Krakatoa myth and the New Guinea Highlands. *J. Polynes. Soc.* 84 : 213-17.
- BLONG, R.J. 1979: Huli legends and volcanic eruptions, Papua New Guinea. *Search* 10(3) : 93-94.
- BLONG, R.J. 1981: Time of darkness legends and volcanic eruptions in Papua New Guinea. Pp 141-50 in Denoon, D.; Lacey, R. (eds) "Oral Tradition in Melanesia". University of Papua New Guinea/Institute of Papua New Guinea Studies, Port Moresby.
- BLONG, R.J.; PAIN, C.F. 1978: Slope stability and tephra mantles in the Papua New Guinea Highlands. *Geotechnique* 28(2) : 206-10.
- BLOOM, A.L. 1978: "Geomorphology : A Systematic Analysis of Late Cenozoic Landforms". Prentice Hall, New Jersey. 510 p.
- BLOOM, A.L. 1980: Late Quaternary sea level change on South Pacific coasts : A study in tectonic diversity. Pp 505-16 in Moerner, N. (ed.) "Earth Rheology, Isostasy and Eustasy". Proceedings of Earth Rheology and Late Cenozoic Isostatic Movements Conference, Stockholm, July-August 1977. John Wiley & Sons, U.K.
- BLOT, C. 1976: Volcanisme et seismicite dans les arcs insulaires : previsions de ces phenomenes. [Volcanism and seismicity in island arcs : Prediction of these phenomena.] ORSTOM, Paris (Edition Geophysique 13) : 206 p.
- BLOW, W.H. 1979: "The Cainozoic Globigerinidae" (A Study of the Morphology, Taxonomy, Evolutionary Relationships and Stratigraphical Distribution of some Globigerinacea). Vol. 1, text Pt I, Pt II, Sect. 1. E.J. Brill, Leiden. 752 p.
- BLOW, W.H. 1979: "The Cainozoic Globigerinidae" (A Study of the Morphology, Taxonomy, Evolutionary Relationships and Stratigraphical Distribution of some Globigerinidae, mainly Globigerinacea). Vol. 2, text Pt II, Sect. 2. E.J. Brill, Leiden. 753-1413.



- BLOW, W.H. 1979: "The Cainozoic Globigerinidae" (A Study of the Morphology, Taxonomy, Evolutionary Relationships and Stratigraphical Distribution of some Globigerinidae, mainly Globigerinacea). Vol. 3, Atlas. E.J. Brill, Leiden. 264 plates with notes.
- BOKELMANN, R.F. 1980: A review of the natural resources of Papua New Guinea. *Nat. Resour. Dev.* 11 : 84-101.
- BOSTROM, R.C. 1978: Motion of the Pacific plate and formation of marginal basins : Asymmetric flow induction. *J. Phys. Earth* 26, *Suppl.* : S103-22.
- BOSTROM, R.C. 1979: Motion of the Pacific plate and formation of marginal basins : Asymmetric flow induction. In Uyeda, S.; Murphy, R.W.; Kobayashi, K. (eds) "Geodynamics of the Western Pacific". Proceedings of the International Conference on Geodynamics of the Western Pacific - Indonesian Region, March 1978, Tokyo. *Adv. Earth Planet. Sci.* 6 : 103-22.
- BRACEWELL, S. 1962: Bauxite, alumina and aluminium in Commonwealth Territories : Papua New Guinea. Pp 135-36 in Bracewell, S. "Bauxite, Alumina and Aluminium". H.M.S.O., London.
- BOWLER, J.M.; HOPE, G.S.; JENNINGS, J.N.; SINGH, G.; WALKER, D. 1975: Late Quaternary climates of Australia and New Guinea: A summary. In Davies, D.A. (ed.) "Proceedings of the WMO/IAMAP Symposium on Long-term Climate Fluctuations". *Wld Met. Orgn Publ.* 421 : 39-46.
- BRANSON, J.C. 1978: Evolution of sedimentary basins from Mesozoic times in Australia's continental slope and shelf. In Scheibner, E. (ed.) "The Phanerozoic Structure of Australia and Variations in Tectonic Style". *Tectonophysics* 48 : 389-412.
- BRIDEN, J.C.; HURLEY, A.M.; SMITH, A.G. 1981: Palaeomagnetism and Mesozoic-Cenozoic palaeocontinental maps. *J. geophys. Res.* 86(B12) 11 : 631-56.
- BRITTEN, R.M. 1978: A description of the Mianmin Limestone, Western Sepik Province. *Niugini Caver* 6(4) : 114,120.
- BRITTEN, R.M. 1980: The Frieda River copper prospect. Pp 41-42 in "Annual Report, Research School of Earth Sciences". Australian National University, Canberra.
- BROOK, D. (comp.) 1976: The British New Guinea Speleological Expedition, 1975. *Trans. Br. Cave Res. Ass.* 3(3-4) : 113-243.
- BROOKFIELD, M.E. 1977: The emplacement of giant ophiolite nappes : I. Mesozoic Cenozoic examples. *Tectonophysics* 37 : 247-303.
- BROWN, A.R. 1971: Airborn seismic surveys in northern New Guinea. *Bull. Aust. Soc. explor. Geophys.* 2(1) : 96-98.
- BROWN, C.M.; PIGRAM, C.J.; SKWARKO, S.K. 1980: Mesozoic stratigraphy and geological history of Papua New Guinea. *Palaeogeogr. Palaeoclim. Palaeoecol.* 29 : 301-22.
- BROWN, E.H.; COLEMAN, R.G.; ECHEVERRIA, L.M.; FISHER, R.L.; IRWIN, W.P. 1976: Preliminary report on the 17th cruise of the *Dimitri Mendeleev*. (Abstr.) *EOS Trans. Am. geophys. Un.* 57(12) : 1027.
- BROYLES, M.L.; FURUMOTO, A.S. 1976: Buckling of crustal plates in Papua New Guinea. (Abstr.) *EOS Trans. Am. geophys. Un.* 57(8) : 596.
- BRYAN, W.B.; LUYENDYK, B.P. 1973: Rifting history of the Woodlark Basin in the Southwest Pacific. *Bull. geol. Soc. Am.* 84 : 1125-34.
- BUKRY, D. 1973: Coccolith and silicoflagellate stratigraphy, Tasman Sea and Southwestern Pacific Ocean, Deep Sea Drilling Project, Leg 21. In Burns, R.E.; Andrews, J.E. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 885-94.
- BULTITUDE, R.J. 1978: Eruptive history of Bagana volcano. In Johnson, R.W. et al. "Volcanology and Ore Genesis, Papua New Guinea". *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 108 : 182-83.
- BULTITUDE, R.J. 1979: Bagana volcano, Bougainville Island : Geology, petrology and summary of eruptive history between 1875 and 1975. *Mem. geol. Surv. Papua New Guinea* 6 : 35 p.
- BULTITUDE, R.J.; JOHNSON, R.W. 1979: Geochemistry of andesite from Bagana volcano. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 212 : 311.

- BULTITUDE, R.J.; JOHNSON, R.W.; CHAPPELL, B.W. 1978: Andesites of Bagana volcano, Papua New Guinea : Chemical stratigraphy, and a reference andesite composition. *BMR Jl Aust. Geol. Geophys.* 3(4) : 281-95.
- BURNS, B.J.; BEIN, J. 1980: Regional geology and hydrocarbon potential of the Mesozoic of the western Papua New Guinea. *APEA Jl* 20(1) : 1-15.
- BURNS, R.E.; ANDREWS, J.E. *et al.* 1973: "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 973 p.
- BURNS, R.E.; ANDREWS, J.E. *et al.* 1973: Site 209. In "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 333-68.
- BURNS, R.E.; ANDREWS, J.E. *et al.* 1973: Site 210. In "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 369-440.
- BURNS, R.E.; ANDREWS, J.E. *et al.* 1973: Regional aspects of Deep Sea Drilling in the Southwest Pacific. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 987-906.
- CAMERON, P.J.; FRITSCH, K.; KARNER, G.D.; MOAINA, R.B.; ROESER, H.A.; SCHLUTER, H.U.; BALFE, P.E. 1979: Papuan and Queensland Plateau margins, Coral Sea : Geophysical results of *Sonne* cruise SO-7. (Abstr.) *Gen. Assembly. 17th Int. Un. Geod. Geophys.* 17 : 5-6.
- CAMERON, W.E.; NISBET, E.G.; DIETRICH, V.J. 1979: Boninites, komatiites and ophiolitic basalts. *Nature, Lond.* 280(5723) : 550-53.
- CAREY, S.W. 1938: Tectonic evolution of New Guinea and Melanesia. Unpubl. D.Sc. thesis, University of Sydney, Australia.
- CARMICHAEL, I.S.E.; TURNER, F.J.; VERHOOGEN, J. 1974: Andesites and associated volcanic rocks of island arcs and continental margins. Pp 528-63 in "Igneous Petrology". McGraw-Hill, New York.
- CHAPPELL, J. 1978: On process-landform models from Papua New Guinea and elsewhere. Pp 348-61 in Davies, J.L.; Williams, M.A.J. (eds) "Landform Evolution in Australasia". Australian National University Press, Canberra.
- CHAPPELL, J.; VEEH, H.H. 1978:  $^{230}\text{Th}/^{234}\text{U}$  age support of an interstadial sea level of -40 m at 30,000 yr B.P. *Nature, Lond.* 275(5866) : 602-4.
- CHAPPLE, W.M.; FORSYTHE, D.W. 1979: Earthquakes and bending of plates at trenches. *J. geophys. Res.* 84(B12) : 6729-49.
- CHAPRONIERE, G.C.H. 1979: Influence of plate tectonics on the distribution of early Neogene larger Foraminiferida in the Australasian region. (Abstr.) *Proc. 49th ANZAAS Congr., Auckland 1* : 151.
- CHAPRONIERE, G.C.H. 1980: Influence of plate tectonics on the distribution of late Palaeogene to early Neogene larger Foraminiferida in the Australasian region. *Palaeogeogr. Palaeoclim. Palaeoecol.* 31(1) : 299-317.
- CHAPRONIERE, G.C.H. 1981: Australasian mid-Tertiary larger foraminiferal associations and their bearing on the East Indian Letter Classification. *BMR Jl Aust. Geol. Geophys.* 8(2) : 145-51.
- CHARTRES, J.C. 1983: Weathering and soil development in volcanic ash, Enga Province, Papua New Guinea. (Abstr.) *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 38-39.
- CHIKOV, B.M. 1972: The chief characteristics of structure of median massifs of the Circum-Pacific orogenic belt. *Pacif. Geol.* 5 : 81-87.
- CHINGCHANG, B. 1978: Taiwan vis-a-vis New Guinea : A comparison of their continent-arc collisions. *Acta Oceanogr.* 8 : 22-42.
- CHURKIN, M.; PACKHAM, G.H. 1973: Volcanic rocks and volcanic constituents in sediments, Leg 21, Deep Sea Drilling Project. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 481-94.
- CLARIDGE, G.G.C. 1980: Economic potential of clay deposits in selected South Pacific countries. *CCOP/SOPAC Tech. Rep. No. 9*.

- CLARK, J.A. 1976: A comparison of New Guinea and Barbados sea level curves to world wide sea level : A numerical calculation. (Abstr.) *Abstr. Progm. geol. Soc. Am.* 8(6) : 814.
- COLEMAN, P.J. 1975: Solomon Islands. Pp 451–56 in Fairbridge, R.W. (ed.) "The Encyclopaedia of World Regional Geology, Part 1 : Western Hemisphere (including Antarctica and Australia)". Dowden, Hutchinson & Ross, Stroudsburg, Pennsylvania.
- COLEMAN, P.J. 1978: Reflections on outer Melanesian Tertiary larger Foraminifera. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 192 : 31–36.
- COLEMAN, P.J. 1979: Plate tectonics background to biogeographic development in the SW Pacific over the last 100 millions years. (Abstr.) *Proc. 49th ANZAAS Congr., Auckland 1* : 146.
- COLEMAN, P.J. 1980: Plate tectonics background to biogeographic development in the Southwest Pacific over the last 100 million years. *Palaeogeogr. Palaeoclim. Palaeoecol.* 31(1) : 105–21.
- COLLEY, H. 1978: Southwest Pacific : Mineral exploration and exploitation. *The Courier* 49 : 72–74.
- COLLINS, C.D.N.; DRUMMOND, B.J. 1979: East Papua. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 213 : 200.
- CONNELLY, J.B. 1977: Use of real and artificial constraints in regional gravity interpretation. *Bull. Aust. Soc. explor. Geophys.* 8(4) : 125–28.
- CONNELLY, J.B. 1978: Mode of emplacement of Papuan Ultramafic Belt. *Bull. Aust. Soc. explor. Geophys.* 9(3) : 87–88.
- CONNELLY, J.B. 1979: Mode of emplacement of the Papuan Ultramafic Belt. *BMR JI Aust. Geol. Geophys.* 4(1) : 51–65.
- COOKE, R.J.S. 1975: Long Island. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1973, with Supplements". *Bull. volc. Eruptions* 13 : 20–21.
- COOKE, R.J.S. 1975: Langila. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1973, with Supplements". *Bull. volc. Eruptions* 13 : 21–22.
- COOKE, R.J.S. 1975: Ulawun. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1973, with Supplements". *Bull. volc. Eruptions* 13 : 22–23.
- COOKE, R.J.S. 1975: Bagana. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1973, with Supplements". *Bull. volc. Eruptions* 13 : 23–24.
- COOKE, R.J.S. 1975: Manam Island volcanic eruptions, Papua New Guinea. *A. Rep. Smithsonian. Instn Cent. short-lived Phenom.* 1974 : 136–37.
- COOKE, R.J.S. 1975: Ritter Island volcanic eruptions, Papua New Guinea. *A. Rep. Smithsonian. Instn Cent. short-lived Phenom.* 1974 : 137–38.
- COOKE, R.J.S. 1976: Manam. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1974, with Supplements". *Bull. volc. Eruptions* 14 : 18–19.
- COOKE, R.J.S. 1976: Karkar. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1974, with Supplements". *Bull. volc. Eruptions* 14 : 20–21.
- COOKE, R.J.S. 1976: Long Island. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1974, with Supplements". *Bull. volc. Eruptions* 14 : 21.
- COOKE, R.J.S. 1976: Ritter Island. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1974, with Supplements". *Bull. volc. Eruptions* 14 : 22–23.
- COOKE, R.J.S. 1976: Langila. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1974, with Supplements". *Bull. volc. Eruptions* 14 : 23–24.
- COOKE, R.J.S. 1976: Bagana. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1974, with Supplements". *Bull. volc. Eruptions* 14 : 24–25.
- COOKE, R.J.S. 1977: Manam Island. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1975, with Supplements". *Bull. volc. Eruptions* 15 : 16–17.
- COOKE, R.J.S. 1977: Long Island. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1975, with Supplements". *Bull. volc. Eruptions* 15 : 19–20.
- COOKE, R.J.S. 1977: Bagana. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1975, with Supplements". *Bull. volc. Eruptions* 15 : 21–22.

- COOKE, R.J.S. 1977: Rabaul volcanological observatory and geophysical surveillance of the Rabaul volcano. *Aust. Phys., Feb. 1977* : 27-30.
- COOKE, R.J.S. 1978: Manam. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1976, with Supplements". *Bull. volc. Eruptions 16* : 17-18.
- COOKE, R.J.S. 1978: Kadova. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1976, with Supplements". *Bull. volc. Eruptions 16* : 18-19.
- COOKE, R.J.S. 1978: Langila. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1976, with Supplements". *Bull. volc. Eruptions 16* : 20.
- COOKE, R.J.S. 1978A: Bagana. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1976, with Supplements". *Bull. volc. Eruptions 16* : 21.
- COOKE, R.J.S. 1978: Long Island. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1976, with Supplements". *Bull. volc. Eruptions 16* : 69.
- COOKE, R.J.S. 1978: Ulawan. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1976, with Supplements". *Bull. volc. Eruptions 16* : 69.
- COOKE, R.J.S.; DENT, V.E. 1977: Langila. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1975, with Supplements". *Bull. volc. Eruptions 15* : 20-21.
- COOK, R.J.S.; MCKEE, C.O. 1981: Volcanoes. Pp 100-1 in King, D.; Ranck, S. (Eds) "Papua New Guinea Atlas : A Nation in-Transition". Robert Brown & Associates for University of Papua New Guinea, Port Moresby.
- COX, M.E. 1980: Geothermal occurrences in the Southwest Pacific. In "Symposium on Petroleum Potential in Island Arcs, Small Ocean Basins, Submerged Margins and Related Areas", Suva, Fiji, September 1979. *U.N. ESCAP, CCOP/SOPAC Tech. Bull. 3* : 197-219.
- CRICK, I.H. 1976: Territory of Papua and New Guinea. In Glover, R.B. "Review of work on geochemical forecasts of eruptions and interaction of seismic phenomena and geochemical indicators in the South Pacific area". *Bull. volcan. 39(1)* : 156.
- CRICK, I.H. 1977: Other volcanoes - stable isotope and chemical studies of fumarolic exhalations and thermal waters, Rabaul Caldera, New Britain, Papua New Guinea. In Johnson, R.W. *et al.* "Volcanology and Ore Genesis, Papua New Guinea. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust. 196* : 151.
- CRISS, I.F. 1978: Use of small charge sources in the jungle swamps of Papua New Guinea. *APEA Jl 18(1)* : 124-29.
- CRONAN, D.S.; THOMPSON, B. 1978: Regional geochemical reconnaissance survey for submarine metalliferous sediments in the southwestern Pacific Ocean - a preliminary note. *Trans. Instn Min. Metall. 878* : 87-89.
- CROOK, K.A.W. 1978: Stage maps to illustrate the development of the Southwest Pacific, 90 m.y. to present : A consequence of earth rotation? *Bull. Aust. Soc. explor. Geophys. 9(3)* : 152-58.
- CROOK, K.A.W. 1980: The origin of West Pacific-type geosynclines by zonal spreading. In Banks, M.R.; Green, D.H. (eds) "Orthodoxy and Creativity at the Frontiers of Earth Sciences. (Carey Symposium) *Tectonophysics 63(1-4)* : 235-59.
- CROOK, K.A.W.; BELVIN, L. 1978: The Southwest Pacific area during the last 90 million years. *J. geol. Soc. Aust. 25(1)* : 23-40.
- CULL, J.P.; DENHAM, D. 1979: Regional variation in Australian heat flow. *BMR Jl Aust. Geol. Geophys. 4(1)* : 1-13.
- CURTIS, J.W. 1974: A time domain study of earthquakes in the New Guinea region. *Pure Appl. Geophys. 112(2)* : 413-45.
- DAVIES, H.L. 1971: Peridotite-gabbro-basalt complex in eastern Papua : An overthrust plate of oceanic mantle and crust. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust. 128* : 48 p.
- DAVIES, H.L. 1978: Geology and mineral resources of Papua New Guinea. Pp 685-99 in "Proceedings of the 3rd Regional Conference on Geology and Mineral Resources of South Asia", November 1978, Bangkok.
- DAVIES, H.L. 1978: Papua New Guinea ophiolite : New geophysical and geological data. (Abstr.) *EOS Trans. Am. geophys. Un. 59(4)* : 386.

- DAVIES, H.L. 1978: Crustal structure and emplacement of ophiolite in southeastern Papua New Guinea. (Abstr.) *Ofoliti* 3(2/3) : 227-28.
- DAVIES, H.L. 1978: Folded thrust fault and associated metamorphism in the Suckling-Dayman Massif, Papua New Guinea. (Abstr.) *Ofoliti* 3(2/3) : 229.
- DAVIES, H.L. 1978: Folded thrust fault and associated metamorphics in the Suckling-Dayman Massif, Papua New Guinea. *Am. J. Sci.* 280-A 1971-91. (Jackson Volume).
- DAVIES, H.L. 1980: Crustal structure and emplacement of ophiolite in southeastern Papua New Guinea. *Colloques int. Cent. natn. Rech. scient.* 272 : 17-33.
- DAVIES, H.L. 1981: Convergent tectonism in western Papua New Guinea. (Abstr.) In Groves, D.I. et al. (eds) "Sediments Through the Ages". Abstracts of the 5th Australian Geological Convention, Perth. *Geol. Soc. Aust. Abstr.* 3 : 90.
- DAVIES, H.L. 1981: Geology. Pp 86-87 in King, D.; Ranck, S. (eds) (Papua New Guinea Atlas : A Nation in Transition". Robert Brown & Associates for University of Papua New Guinea, Port Moresby.
- DAVIES, H.L. 1982: The Papua New Guinea thrust belt, longitude 141°-144° East. (Abstr.) In "Proceedings of the 11th BRM Symposium, May 1982, Canberra".
- DAVIES, H.L. 1983: A review of Papua New Guinea ophiolites. (Abstr.) *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 56.
- DAVIES, H.L. 1983: Convergent tectonism and contemporaneous igneous activity in western Papua New Guinea. (Abstr.) *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 56.
- DAVIES, H.L.; HOWELL, W.J.S.; FARDON, R.S.H.; CARTER, R.J.; BUMSTEAD, E.D. 1978: History of the Ok Tedi Porphyry Copper Prospect, Papua New Guinea. *Econ. Geol.* 73(3) : 796-809.
- DAVIES, H.L.; WARREN, A.G. 1983: Metamorphic aureoles associated with the emplacement of ophiolite in Papua New Guinea. (Abstr.) *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 57.
- DAVIES, R.A.; EVERINGHAM, I.B. 1974: Ritter Island. In Katsui, Y.; Naramura, K. (eds) "Annual Report of the World Volcanic Eruptions in 1972, with Supplements". *Bull. volc. Eruptions* 12.
- DAVIES, R.A.; PALFREYMAN, W.D. 1970: Ulawun. In Morimoto, R. (ed.) "Annual Report of the World Volcanic Eruptions". *Bull. volc. Eruptions* 10 : 6-7.
- DE BROIN, C.E.; AUBERTIN, E.; RAVENNE, C. 1977: Structure and history of the Solomon-New Ireland region. Pp 37-49 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- DEIGHTON, I.; TAYLOR, D. 1980: Potential delineation of island arc tectonics by foraminiferal distribution patterns. In "Symposium on Petroleum Potential in Island Arcs, Small Ocean Basins, Submerged Margins and Related Areas", Suva, Fiji, September 1979. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 3 : 131-42.
- DE LAETER, J.R.; HOSIE, D.J. 1978: The abundance of barium in stony meteorites. *Earth Planet. Sci. Lett.* 38 : 418-20.
- DENHAM D. 1977: Summary of earthquake focal mechanism for the Western Pacific - Indonesian region 19929-1973. *Rep. Wld Data Cent. A Solid Earth Geophys. SE-3* : 110 p.
- DENHAM, D. 1978: An analysis of strong-motion accelerograms from Yonki, Papua New Guinea, 1967-1972. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 184.
- DENHAM, D. 1979: Earthquakes. In "Earth Science Atlas of Australia". Bureau of Mineral Resources, Canberra.
- DENT, V. 1979: The carbon dioxide content of fumarole PT 47 in Rabaulanakaia crater, Rabaul. *Science in New Guinea* 6(1) : 19-23.
- DE PAOLO, D.J.; JOHNSON, R.W. 1979: Magma genesis in the New Britain island arc : Constraints from Nd and Sr isotopes and trace-element patterns. *Contr. Miner. Petrol.* 70 : 367-79.

- DE PAOLO D.J.; WASSERBURG, G.J. 1977: Nd in island arc and continental volcanic rocks. (Abstract.) *EOS Trans. Am. geophys. Un.* 58(6) : 533.
- DE PAOLO, D.J.; WASSERBURG, G.J. 1977: The sources of island arcs as indicated by Nd and Sr isotopic studies. *Geophys. Res. Lett.* 4(10) : 465-68.
- DEN, N.; LUDWIG, W.J.; MURAUCHI, S.; EWING M.; HOTTA, H.; ASANUMA, T.; YOSHII, T.; KUBOTERA, A.; HAGIWARA, K. 1971: Sediments and structure of the Eauripik-New Guinea Rise. *J. geophys. Res.* 76(20) : 4711-23.
- DICKINS, J.M. 1973: The geological sequence and the Permian-Triassic boundary in Australia and eastern New Guinea. *Mem. Can. Soc. Petrol. Geol.* 2 : 425-32.
- DICKINSON, W.R.; SEELY, D.R. 1979: Structure and stratigraphy of fore-arc regions. *Bull. Am. Ass. Petrol. Geol.* 63(1) : 2-31.
- DIXON, C.F. 1979: "Atlas of Economic Mineral Deposits". Chapman & Hall, London. 143 p.
- DOW, D.B. 1978: A geological synthesis of Papua New Guinea. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 2001 : 41 p.
- DRUMMOND, B.J.; COLLINS, C.D.N.; GIBSON, G. 1977: The crustal structure of the Gulf of Papua and Northwest Coral Sea. *BMR Jl Aust. Geol. Geophys.* 4(4) : 341-51.
- DRUMMOND, B.J.; COLLINS, C.D.N.; GIBSON, G. 1979: Crustal structure of the Gulf of Papua and the Northwest Coral Sea. (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys.* 17 : 5/7.
- DUNN, J.R.; FULLER, M.; GREEN, G.; McCABE, R.; WILLIAMS, I. 1979: Preliminary palaeomagnetic results from the Philippines, Marianas, Carolines and Solomons. *EOS Trans. Am. geophys. Un.* 60(18) : 239.
- DURBAUM, H.-J. 1982: SEATAR-related geophysical studies of BGR in the Southwest Pacific. *Progm. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 25.  
also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 965.
- EADE, J.V. 1980: Review of precious coral in CCOP/SOPAC member countries. *CCOP/SOPAC Tech. Rep. No. 8.*
- EADE, J.V. 1981: Cruise report : Papua New Guinea offshore survey, PN-79(1), 10-26 March 1979. *CCOP/SOPAC Proj. Rep. No. 25 and Proc. 9th Sess. CCOP/SOPAC* : 71-72.
- EADE, J.V.; ANDERSON, T.F. 1975: Oxygen and carbon isotope composition and diagenesis of Eocene clay nanno-chalk at DSDP Site 287, Coral Sea Basin, Leg 30. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 419-22.
- EASTOE, C.J. 1976: Fluid inclusion studies of the Panguna and Frieda Porphyry coppers, Papua New Guinea. (Abstr.) *Proc. 25th Int. Geol. Congr., Sydney* 3 : 806-7.
- EASTOE, C.J. 1978: A fluid inclusion study of the Panguna porphyry copper deposit, Bougainville, Papua New Guinea. *Econ. Geol.* 73(5) : 721-48.
- EASTOE, C.J. 1980: Chemistry of magmatic fluids in the Panguna (Bougainville) porphyry copper deposit. (Abstr.) *Proc. 26th Int. Geol. Congr., Paris* 3 : 929.
- EASTOE, C.J. 1982: Physics and chemistry of the hydrothermal system at the Panguna Porphyry Copper Deposit, Bougainville, Papua New Guinea. *Econ. Geol.* 77(1) : 127-53.
- EDWARDS, A.R. 1973: Southwest Pacific regional unconformities encountered during Leg 21. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 701-20.
- EKDALE, A.A.; BERGER, W.H. 1978: Deep-sea ichnofacies : Modern organism traces on and in pelagic carbonates of the Western Equatorial Pacific. *Palaeogeogr. Palaeoclim. Palaeoecol.* 23 : 263-78.
- EMELEUS, T.G. 1977: Thermo-magnetic measurements as a possible tool in the prediction of volcanic activity in the volcanoes of the Rabaul caldera, Papua New Guinea. *J. volc. Geotherm. Res.* 2(4) : 343-59.
- ERANDSON, D.L.; ORWIG, T.L.; KILSGAARD, G.; MUSSELLS, J.H.; KROENKE, L.W. 1976: Tectonic interpretations of the East Caroline and Lyra Basins from reflection profiling investigations. *Bull. geol. Soc. Am.* 87(3) : 453-62.

- EVERINGHAM, I.B. 1977: Preliminary catalogue of tsunamis for the New Guinea/Solomon Islands region, 1968-1972. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 180 : 78 p.
- EVERINGHAM, I.B. 1977: Seismicity of the New Guinea/Solomon Islands region 1969. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 199.
- EVERINGHAM, I.B.; GAULL, B.; DENT, V. 1977: Effects of a major earthquake near Bougainville, 20 July 1975. *BMR Jl Aust. Geol. Geophys.* 2(4) : 305-10.
- EVERINGHAM, I.B. 1980: Preliminary catalogue of tsunamis for the New Guinea/Solomon Islands region. *Proc. 8th Sess. CCOP/SOPAC* : 98-99.
- EVERINGHAM, I.B.; RIPPER, I.D. 1981: Earthquakes. Pap 102-3 in King, D.; Ranck, S. (eds) "Papua New Guinea Atlas : A Nation in Transition". Robert Brown & Associates for University of Papua New Guinea, Port Moresby.
- EVERINGHAM, I.B.; SHEARD, S.N. 1980: Seismicity of the New Guinea/Solomon Islands region, 1972. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 220.
- EXON, N.F. 1981: Papua New Guinea offshore survey, cruise PN-81(1), 19 February-4 March 1981. *CCOP/SOPAC Cruise Rep. No.* 52.
- EXON, N.F. 1982: Geology of offshore New Ireland Basin in northern Papua New Guinea. *Progm. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 25. also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 966.
- FABER, M.L.O. 1974: Bougainville renegotiated : An analysis of the new fiscal terms. *Min. Mag., Lond. Dec.* 74 : 446-49.
- FALVEY, D.; PRITCHARD, T. 1982: Paleomagnetic evidence for large microplate rotations in the Southwest Pacific. *Progm. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 26. also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 966.
- FALCONER, R.K.H. 1979: Changes in Pacific-Indian-Antarctic plate motions over the last ten million years. (Abstr.) *EOS Trans. Am. geophys. Un.* 60(18) : 395.
- FINLAYSON, D.M. 1977: Seismic travel-times to east Papua from USSR nuclear explosions. *BMR Jl Aust. Geol. Geophys.* 2(3) : 209-16.
- FINLAYSON, D.M.; DRUMMOND, B.J.; COLLINS, C.D.M.; CONNELLY, J.B. 1977: Crustal structures in the region of the Papuan ultramafic belt. *Phys. Earth Planet. Interiors* 14 : 13-29.
- FLEMING, A.W.; NEALE, T.I. 1979: Geochemical exploration at Yandera Porphyry Copper Prospect, Papua New Guinea. *J. Geochem. Explor.* 11(1) : 33-51.
- FLENLEY, J.R. 1979: The Late Quaternary vegetational history of the equatorial mountains. *Prog. Phys. Geogr.* 3(4) : 488-509.
- FORD, J.H. 1978: A chemical study of alteration at the Panguna porphyry copper deposit, Bougainville, Papua New Guinea. *Econ. Geol.* 73(5) : 703-20.
- FORD, J.H.; GREEN, D.C. 1977: An oxygen and hydrogen-isotope study of the Panguna Porphyry-copper deposit, Bougainville. *J. geol. Soc. Aust.* 24(2) : 63-80.
- FORD, J.H.; GREEN, D.C.; HULSTON, J.R.; CRICK, I.H.; SHEPPARD, S.M.F. 1977: Stable isotope studies on Bougainville and in Matupi Harbour, New Britain, Papua New Guinea. (Abstr.) In "Volcanic Processes in Ore Genesis". *Spec. Publ. geol. Soc. Lond.* 7 : 162.
- FRANCIS, G. 1980: Geology. Ch. 11 in James, J.M.; Dyson, H.J. (eds) "Caves and Karst of the Muller Range". Report of the 1978 Speleological Expedition to the Atea Kanada, Southern Highlands, Papua New Guinea. Speleological Research Council, Sydney.
- FURUMOTO, A.S.; HUSSONG, D.M.; CAMPBELL, J.F.; SUTTON, G.H.; WOOLLARD, G.P. 1969: Seismic refraction survey in the Solomon Islands, 1966. (Abstr.) *Earthq. Notes* 40(2) : 9.
- FURUMOTO, A.S.; WEBB, J.P.; ODEGARD, M.E.; HUSSONG, D.M. 1976: Seismic studies on the Ontong Java Plateau, 1970. *Tectonophysics* 34(1-2) : 71-90.
- GARSON, M.S.; MITCHELL, A.G.H. 1977: Mineralisation at destructive plate boundaries : A brief review. In "Volcanic Processes in Ore Genesis". *Spec. Publ. geol. Soc. Lond.* 7 : 81-97.

- GARWOOD, N.C.; JANOS, D.P.; BORKAW, N. 1979: Earthquake-caused landslides; a major disturbance to tropical forests. *Science (AAAS)*, 205(4410) : 997-99.
- GAULL, B. 1976: Accelerograph recordings of the Musa earthquake, 16 September 1977. *Bull. N.Z. Soc. Earthq. Engng* 9 : 115-21.
- GHANI, M.A. 1980: Uplifted shorelines and geodynamics of New Ireland, Papua New Guinea. (Abstr.) *Proc. 26th Int. Geol. Congr., Sydney 2* : 654.
- GHANI, M.A. 1983: Uplifted shorelines and geodynamics of the Cromwell Mountains, Papua New Guinea. (Abstr.) *Progrm. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 80.
- GLADWIN, M.T. 1979: An earthquake prediction programme in a region of high seismicity. (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys.* : 6/2.
- GLAESER, J.D. 1978: Global distribution of barrier islands in terms of tectonic setting. *J. Geol.* 86(3) : 283-97.
- GLASSE, R.M. 1963: Bongi at Tari. *J. Polynes. Soc.* 72 : 270.
- GLOVER, D.P. 1977: "Directory of Seismograph Stations". (Participating in International Seismogram Exchange through World Data Centre.) *Rep. Wld Data Cent. A. Solid Earth Geophys. SE-7* : 143 p.
- GLYNN, C. 1979: *Gold. Min. a. Rev.* 1979 : 29-33.
- GOLSON, J. 1977: The making of the New Guinea Highlands. Pp 45-56 in Winslow, J. (ed.) "The Melanesian Environment". Australian National University Press, Canberra.
- GREEN, T.H. 1980: Island arc and continent-building magmatism - A review of petrogenic models based on experimental petrology and geochemistry. In Banks, M.R.; Green, D.H. (eds) "Orthodoxy and Creativity at the Frontiers of Earth Sciences". (Carey Symposium) *Tectonophysics* 63(1-4) : 235-59.
- GRIFFIN, T.J. 1979: Changes to the boundary of the Australian craton in Papua New Guinea. (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys.* : 5/8.
- GRIFFITHS, J.R. 1978: The role of subduction in orogeny and metallogeny. (Abstr.) Pp 36-37 in "International Geodynamics Conference, Magma Genesis Symposium, March 1978, Tokyo."
- GRUNAU, H.R.; GRUNER, J. 1978: Source rocks and the origin of natural gas in the Far East. *J. Petrol. Geol.* 2 : 3-56.
- GUSTAFSON, L.B. 1979: Porphyry copper deposits and calc-alkaline volcanism. Pp 427-64 in McElhinny, M.W. (ed.) "The Earth : Its Origin, Structure and Evolution". Academic Press, London.
- GUSTAFSON, L.B.; TITLEY, S.R. 1978: Porphyry copper deposits of the Southwestern Pacific islands and Australia - Preface. *Econ. Geol.* 73(5) : 597-99.
- HAIG, D.W. 1978: Early Jurassic foraminiferids from the Western Highlands of Papua New Guinea. *Neues Jb. Geol. Palaont.* 1969(4) : 208-14.
- HAIG, D.W. 1979: Foraminiferids from shoreline sediments, Motupore Islands, Papua New Guinea. *Science in New Guinea* 6(3) : 138-43.
- HAIG, D.W. 1981: Upper Cretaceous and Lower Tertiary deep-sea sediments of the New Guinea Mobile belt at Port Moresby. (Abstr.) In Groves, D.I. et al. (eds) "Sediments Through the Ages". Abstracts of the Fifth Australian Geological Convention, Perth.
- HAIG, D.W. 1981: Mid-Cretaceous foraminiferids from the Waghi Valley, central highlands of Papua New Guinea. *Micropalaeontology* 27(4) : 337-51.
- HAIG, D.W.; MALAGUN, S. 1980: Uppermost Cretaceous and lowermost Tertiary sediments around Bogoro Inlet, near Port Moresby, Papua New Guinea. *Science in New Guinea* 7(1) : 12-21.
- HAIG, D.W.; PEREMBO, R. 1981: Lower Miocene rocks on Farifax Station, near Port Moresby. *Science in New Guinea* 8(2) : 152-54.
- HAIG, D.W.; TAMU, W. 1980: Stratigraphic relationship between Barune Sandstone (Upper Cretaceous) and Barune Calcarenite (Lower Tertiary) near Port Moresby, Papua New Guinea. *Science in New Guinea* 7(3) : 148-56.
- HALADA, R.S. 1978: A seismic study of the crustal structure of the Ontong Java Plateau and Nauru Basin. Unpubl. M.Sc. thesis, University of Hawaii, Honolulu.
- HALUNEN, A.J. 1978: Mineral resources in Southwest Pacific. (Abstr.) *Bull. Am. Ass. Petrol. Geol.* 62(7) : 1219.



- HAMILTON, P.J.; O'NIONS, R.K. 1981: Isotopic and trace element features of some volcanics from western Papua New Guinea. (Abstr.) P. 120 in "IAVCEI Symposium - Arc Volcanism", Tokyo and Hakone, August-September 1981.
- HAMILTON, W. 1979: Tectonics of the Indonesian region. *Prof. Pap. U.S. geol. Surv. 1078* : 345 p.
- HAMILTON, W. 1979: Plate motions in western Melanesia and eastern Indonesia. (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys.* : 5/2.
- HAMMOND, S.R.; KROENKE, L.W.; THEYER, F. 1974: Latitudinal displacement of the Ontong Java Plateau between 30 and 100 m.y. B.P. (Abstr.) *Abstr. Progr. geol. Soc. Am.* 6(7) : 774-75.
- HAMMOND, S.R.; KROENKE, L.W.; THEYER, F. 1975: Northward motion of the Ontong Java Plateau between -100 and -30 m.y. : A paleomagnetic investigation of DSDP Site 289. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 415-18.
- HANKTKE, G. 1970: Manam. In Morimoti, R. (ed.) "Annual Report of the World Volcanic Eruptions". *Bull. volc. Eruptions* 10 : 5.
- HAWKINS, J.W. 1977: Petrologic and geochemical characteristics of marginal basin basalts. Pp 355-65 in Talwani, M.; Pitman, W.C. (eds) "Island Arcs, Deep Sea Trenches, and Back-arc Basins". Maurice Ewing Series 1. American Geophysical Union, Washington. 470 p.
- HAYES, D.E. (ed.) 1978: "A Geophysical Atlas of East and Southeast Asian Seas". Geological Society of America, MC-25.
- HAYES, D.E.; TAYLOR, B. 1978: Tectonics. Pp 1-3 in Hayes, D.E. (ed.) "A Geophysical Atlas of East and Southeast Asian Seas". Geological Society of America, MC-25.
- HAYES, D.E.; HOUTZ, R.E.; JARRARD, R.D.; MROZOWSKI, C.L.; WATANABE, T. 1978: Crustal structure. Pp 4-5 in Hayes, D.E. (ed.) "A Geophysical Atlas of East and Southeast Asian Seas". Geological Society of America, MC-25.
- HECK, M.H. 1947: List of seismic sea waves. *Bull. seism. Soc. Am.* 27(4) : 269-86.
- HEDERVARI, P.; PAPP, Z. 1977: Seismicity maps of the New Guinea-Solomon Islands region. *Tectonophysics* 42 : 262-81.
- HEMING, R.F. 1977: Mineralogy and proposed P-T paths of basaltic lavas from Rabaul Caldera, Papua New Guinea. *Contr. Miner. Petrol.* 61(1) : 15-33.
- HEMING, R.F. 1979: Undersaturated lavas from Ambittle (sic) Island, Papua New Guinea. *Lithos* 12 : 173-86.
- HEMING, R.F.; RANKIN, P.C. 1979: Ce-anomalous lavas from Rabaul caldera, Papua New Guinea. *Geochim. cosmochim. Acta* 43(8) : 1351-55.
- HENRY, D.D. 1982: Copper deposits - Frieda River prospect, Papua New Guinea. (Abstr.) *Progr. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 31. also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 971.
- HEWITT, W.V. 1982: Ok Tedi - A gold-copper open pit development in Papua New Guinea. (Abstr.) *Progr. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 31. also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 971.
- HEWITT, W.V.; LECKIE, J.F.; LORRAWAY, R.; MOULE, K.; RUSH, P.M.; SEEGER, H.J.; TORR, G.L. 1980: Ok Tedi Project - Geology of principal ore deposits. *BHP Tech. Bull.* 24(1) : 3-10.
- HICKEY, R.; FREY, F.A. 1979: Petrogenesis of high-Mg andesites : Geochemical evidence. (Abstr.) *EOS Trans. Am. geophys. Un.* 60(18) : 413.
- HILDE, T.W.C.; WYEDA, S.; KROENKE, L.W. 1976: Evolution of the western Pacific and its margin. *U.N. ESCAP, CCOP Tech. Bull.* 10 : 1-19. also in : *Tectonophysics* 38 : 145-65.
- HINE, R.; MASON, D.R. 1978: Intrusive rocks associated with porphyry copper mineralisation, New Britain, Papua New Guinea. *Econ. Geol.* 73(5) : 749-60.
- HINE, R.; BYE, S.M.; COOK, F.W.; LECKIE, J.F.; TORR, G.L. 1978: The Esis porphyry copper deposit, East New Britain, Papua New Guinea. *Econ. Geol.* 73(5) : 761-67.

- HOHNEN, P.D. 1978: Geology of New Ireland, Papua New Guinea. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 194 : 39 p.
- HOHNEN, P.D.; RICHMOND, R. 1980: National development policies and legal framework for petroleum exploration in the Southwest Pacific. In "Symposium on Petroleum Potential in Island Arcs, Small Ocean Basins, Submerged Margins and Related Areas", Suva, Fiji, September 1979. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 3 : 15-23.
- HOLDSWORTH, B.K.; HARKER, B.M. 1975: Possible indicators of degree of Radiolaria dissolution in calcareous sediments of the Ontong-Java Plateau. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 289-97.
- HOWELL, W.J.S. 1978: Ok Tedi Copper Project, Papua New Guinea. (Abstr.) *Bull. Am. Ass. Petrol. Geol.* 62(7) : 1221.
- HUGHES, G.W.; RIDGWAY, J. 1980: New evidence bearing on the tectonic evolution of the Solomon Island region. (Abstr.) In "Second International Workshop on Geology, Mineral Resources and Geophysics of the South Pacific", New Caledonia, October 1980. CCOP/SOPAC-IOC/WESTPAC.
- HUSSONG, D.M.; WIPPERMAN, L.K.; KROENKE, L.W. 1979: The crustal structure of the Ontong Java and Manihiki oceanic plateaus. *J. geophys. Res.* 84(B11) : 6003-10.
- INTERNATIONAL SEISMOLOGICAL CENTRE, Edinburgh: "Regional Catalogue of Earthquakes" -
- |  |        |
|--|--------|
| 1977 Vol.12 No.1 : 1975 January to June  | 228 p. |
| 1978 Vol.12 No.2 : 1975 July to December | 225 p. |
| 1978 Vol.13 No.1 : 1976 January to June  | 263 p. |
| 1979 Vol.13 No.2 : 1976 July to December | 254 p. |
| 1979 Vol.14 No.1 : 1977 January to June  | 248 p. |
| 1980 Vol.14 No.2 : 1977 July to December | 261 p. |
| 1980 Vol.15 No.1 : 1978 January to June  | 244 p. |
| 1980 Vol.15 No.2 : 1978 July to December | 240 p. |
| 1981 Vol.16 No.1 : 1979 January to June  | 247 p. |
- INTERNATIONAL SEISMOLOGICAL CENTRE, 1979: "Felt and Damaging Earthquakes". No. 1, 1976. I.S.O., Edinburgh. 49 p.
- INTERNATIONAL SEISMOLOGICAL CENTRE, 1980: "Felt and Damaging Earthquakes". No. 2, 1977. I.S.O., Edinburgh. 43 p.
- INTERNATIONAL SEISMOLOGICAL CENTRE, 1981: "Felt and Damaging Earthquakes". No. 3, 1978. I.S.O., Edinburgh. 55 p.
- IONIN, A.S.; MEDVEDEV, V.S. 1980: Characteristics of the formation and development of reef-type structures in the western group of Melanesia. In Ponomareva, L.A. "Biological and geological research on the island regions of the western part of the Pacific Ocean". *Trudy Inst. Okeanol.* 90 : 77-116.
- JAMES, J.M.; DYSON, H.J. (eds) 1980: "Caves and Karst of the Muller Range". Report of the 1978 Speleological Expedition to the Atea Kanada, Southern Highlands, Papua New Guinea. Speleological Research Council, Sydney. 150 p.
- JAQUES, A.L. 1979: Petrochemical characterisation of Papua New Guinea ophiolites. (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys.* : 5/9.
- JAQUES, A.L. 1980: Mineral analyses and rock descriptions for cumulate peridotites and gabbro from the Marum ophiolite complex, northern Papua New Guinea. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 1980/53.
- JAQUES, A.L. 1980: Admiralty Islands, Papua New Guinea, Geological Map, 1:250,000 - Explanatory Notes, Sheets SA/55-10 and SA/55-11. Geological Survey, Papua New Guinea, Port Moresby.
- JAQUES, A.L. 1981: Quaternary volcanism on Manus Island. In Johnson, R.W. (ed.) "Cooke-Ravian Volume of Volcanological Papers". *Mem. geol. Surv. Papua New Guinea* 10.
- JAQUES, A.L. 1981: Petrology and petrogenesis of cumulate peridotites and gabbros from the Marum ophiolite complex, northern Papua New Guinea. *J. Petrol.* 22(1) : 1-40.

- JAQUES, A.L.; CHAPPEL, B.W. 1980: Petrology and trace element geochemistry of the Papuan Ultramafic Belt. *Contr. Miner. Petrol.* 75 : 55-70.
- JAQUES, A.L.; CHAPPELL, B.W.; TAYLOR, S.R. 1978: Geochemistry of LIL-element enriched tholeiites from the Marum ophiolite complex, northern Papua New Guinea. *BMR Jl Aust. Geol. Geophys.* 3(4) : 297-310.
- JAQUES, A.L.; ROBINSON, G.P. 1977: The continent/island-arc collision in northern Papua New Guinea. *BMRM Jl Aust. Geol. Geophys.* 2(4) : 289-303.
- JAQUES, A.L.; WEBB, A.W. 1975: Geochronology of 'porphyry copper' intrusives from Manus Island, Papua New Guinea. *Rep. geol. Surv. Papua New Guinea No. 75/5.*
- JAQUES, A.L.; ROBINSON, G.P. 1980: Bogia, Papua New Guinea, Geological Map, 1:250,000 - Explanatory Notes, Sheet SB/55-1. Geological Survey, Papua New Guinea, Port Moresby.
- JENNINGS, J.N. 1978: Water, wind and changing landscape. *Aust. nat. Hist.* 19(6) : 182-85.
- JOHNSON, C.E.; RICHTER, F.M. 1979: Stereoviews of seismicity associated with abduction zones. *J. Geol.* 87 : 467-74.
- JOHNSON, R.W. 1977: Other volcanoes - Potassium variation across the New Britain volcanic arc. In Johnson, R.W. et al. "Volcanology and Ore Genesis, Papua New Guinea". *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 196 : 150.
- JOHNSON, R.W. 1977: Other volcanoes - Distribution and major-element chemistry of late Cainozoic volcanoes at the southern margin of the Bismarck Sea, Papua New Guinea. In Johnson, R.W. et al. "Volcanology and Ore Genesis, Papua New Guinea". *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 196 : 150.
- JOHNSON, R.W. 1977: Distribution and major-element chemistry of Late Cainozoic volcanoes at the southern margin of the Bismarck Sea, Papua New Guinea. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 188.
- JOHNSON, R.W. 1978: Plates and volcanoes in Papua New Guinea. (Abstr.) *BMR Jl Aust. Geol. Geophys.* 3(1) : 256-57.
- JOHNSON, R.W. 1978: Rhyolitic volcanic activity in a marginal basin : The 1953-57 eruption of Tuluman volcano, Papua New Guinea. In Johnson, R.W. et al. "Volcanology and Ore Genesis, Papua New Guinea". *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 208 : 180-81.
- JOHNSON, R.W. 1978: Hot-spot volcanism in St Andrew Strait, Papua New Guinea : Geochemistry of a Quaternary bimodal rock suite. In Johnson, R.W. et al. "Volcanology and Ore Genesis, Papua New Guinea". *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 208 : 181.
- JOHNSON, R.W. 1978: Contribution on Papua New Guinea volcanoes to Volcanology Encyclopaedia. In Johnson, R.W. et al. "Volcanology and Ore Genesis, Papua New Guinea". *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 208 : 183.
- JOHNSON, R.W. 1978: Criticism of generalised models for the magmatic evolution of arc-trench systems. In Johnson, R.W. et al. "Volcanology and Ore Genesis, Papua New Guinea". *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 208 : 185.
- JOHNSON, R.W. 1979: Geotectonics and volcanism in Papua New Guinea : A review of the Late Cainozoic. *BMR Jl Aust. Geol. Geophys.* 4(3) : 181-207.
- JOHNSON, R.W. 1979: Origin of the Willaumez-Manua Rise. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 212 : 153.
- JOHNSON, R.W. 1979: Volcanoes over the New Britain Benioff Zone. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 212 : 153-55.
- JOHNSON, R.W. 1979: Volcanology and tectonics in Papua New Guinea : A review. (Abstr.) In "Proceedings of 3rd Southwest Pacific Workshop Symposium", University of Sydney, Sydney.
- JOHNSON, R.W. 1979: Volcanoes off the north coast of mainland Papua New Guinea. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 212j : 157-58.
- JOHNSON, R.W. 1979: Late Cainozoic volcanism and tectonics in the eastern Bismarck Archipelago, Papua New Guinea : An overview of recent results. (Abstr.) *Proc. 49th ANZAAS Congr., Auckland 1* : 177.

- JOHNSON, R.W. 1980: New Britain – a typical island arc? (Abstr.) In “Second International Workshop on Geology, Mineral Resources and Geophysics of the South Pacific”, New Caledonia, October 1980. CCOP/SOPAC-IOC/WESTPAC.
- JOHNSON, R.W. 1981: Subduction, porphyry coppers, and igneous petrology : New concepts from New Britain and other island arcs. (Abstr.) In “Tenth BMR Symposium, May 1981, Canberra”.
- JOHNSON, R.W.; ARCULUS, R.J. 1978: Volcanic rocks from the Witu Islands, Papua New Guinea : Their chemical characteristics, origin, and tectonic significance. In Uyeda, S.; Murphy, R.W.; Kobayashi, K. (eds) “Geodynamics of the Western Pacific”. Proceedings of the International Conference on Geodynamics of the Western Pacific – Indonesian Region, March 1978, Tokyo. *Adv. Earth Planet. Sci.* 6 : 260–61.
- JOHNSON, R.W.; ARCULUS, R.J. 1978: Subaerial volcanic rocks of the Willaumez-Manua Rise, Papua New Guinea : A key to the origin of the Rise? *Bull. Aust. Soc. Explor. Geophys.* 9(3) : 98–99.
- JOHNSON, R.W.; ARCULUS, R.J. 1978: Volcanic rocks of the Witu Islands, Papua New Guinea : The origin of magmas above the deepest part of the New Britain Benioff zone. *Bull. volcan.* 41(4) : 609–55.
- JOHNSON, R.W.; CHAPPELL, B.W. 1979: Chemical analyses of rocks from the late Cainozoic volcanoes of north-central New Britain and the Witu Islands, Papua New Guinea. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 209 : 47 p.
- JOHNSON, R.W.; JAQUES, A.L. 1978: Continent-arc collision and reversal of arc polarity : New interpretations from a critical area. In Johnson, R.W. et al. “Volcanology and Ore Genesis, Papua New Guinea”. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 208 : 183–84.
- JOHNSON, R.W.; JAQUES, A.L. 1980: Continent-arc collision and reversal of arc polarity : New interpretations from a critical area. In Banks, M.R.; Green, D.H. (eds) “Orthodoxy and Creativity at the Frontiers of Earth Sciences” (Carey Symposium). *Tectonophysics* 63(1-4) : 112–24.
- JOHNSON, R.W.; JAQUES, A.L.; HICKEY, R.L.; MCKEE, C.O.; CHAPPELL, B.W. 1981: Manam Island, Papua New Guinea : Petrologic development of a basaltic island-arc volcano. (Abstr.) Pp 155–56 in “IAVCEI Symposium – Arc Volcanism”, Tokyo and Hakone, August–September 1981.
- JOHNSON, R.W.; MCKENZIE, D.E. 1978: Delayed partial melting of subduction-modified mantle in Papua New Guinea. In Johnson, R.W. et al. “Volcanology and Ore Genesis, Papua New Guinea”. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 208 : 184–85.
- JOHNSON, R.W.; MACKENZIE, D.E.; SMITH, I.E. 1977: Other volcanoes – volcanic rock associations at convergent plate boundaries : Reappraisal of the concept using case histories from Papua New Guinea. In Johnson, R.W. et al. “Volcanology and Ore Genesis, Papua New Guinea”. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 196 : 149.
- JOHNSON, R.W.; MACKENZIE, D.E.; SMITH, I.E. 1977: Other volcanoes – Late Cainozoic magmas associated with past and present arc-trench systems in Papua New Guinea. In Johnson, R.W. et al. “Volcanology and Ore Genesis, Papua New Guinea. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 196 : 149.
- JOHNSON, R.W.; MACKENZIE, D.E.; SMITH, I.E. 1978: Volcanic rock associations at convergent plate boundaries : Reappraisal of the concept using case histories from Papua New Guinea. *Bull. geol. Soc. Am.* 89(1) : 96–106.
- JOHNSON, R.W.; MACKENZIE, D.E.; SMITH, I.E. 1978: Delayed partial melting of subduction-modified mantle in Papua New Guinea. *Tectonophysics* 48 : 197–216.
- JOHNSON, R.W.; MACNAB, R.P.; ARCULUS, R.J. 1981: Bemus and Uluwan : Parallel development and hazard assessment of neighbouring volcanoes in the New Britain Island arc. (Abstr.) Pp 157–58 in “IAVCEI Symposium – Arc Volcanism”, Tokyo and Hakone, August–September 1981.
- JOHNSON, R.W.; MUTTER, J.C.; ARCULUS, R.J. 1979: Origin of the Willaumez-Manus Rise, Papua New Guinea. *Earth Planet. Sci. Lett.* 44 : 247–60.

- JOHNSON, R.W.; SMITH, I.E.; TAYLOR, S.R. 1978: Hot-spot volcanism in St Andrew Strait, Papua New Guinea : Geochemistry of a Quaternary bimodal rock suite. *BMR JI Aust. Geol. Geophys.* 3(1) : 55-69.
- JOHNSON, R.W.; WALLACE, D.A. 1979: Volcanoes of the Tabar-Lihir-Tanga-Feni Islands. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 212 : 156-57.
- JOHNSON, T.C.; HAMILTON, E.L.; BERGER, W.H. 1977: Physical properties of calcareous ooze : Control by dissolution at depth. *Mar. Geol.* 24(4) : 259-77.
- JOHNSON, R.C.; HAMILTON, E.L.; BACHMAN, R.T.; BERGER, W.H. 1978: Sound velocities in calcareous oozes and chalks from sonobuoy data : Ontong Java Plateau, Western Equatorial Pacific. *J. geophys. Res.* 83(1) : 283-88.
- JOHNSON, T.L. 1979: Alternative model for emplacement of the Papuan ophiolite, Papua New Guinea. *Geology* 7 : 495-98.
- JONES, O.A. 1977: Some notes on the coral reefs of the Solomon Islands together with a reference to New Guinea. Pp 201-3 in Jones, O.A.; Edean, R. (eds) "Biology and Geology of Coral Reefs. Volume II : Geology 2". Academic Press, New York.
- KATSUI, Y. 1971: "List of the World Active Volcanoes, with Map". *Spec. Issue Bull. volc. Eruptions* : 160 p.
- KATSUI, Y.; ARAMAKI, S. (eds) 1974: "Annual Report of the World Volcanic Eruptions in 1972, with Supplements". *Bull. volc. Eruptions* 12 : 49 p.
- KATSUI, Y.; ARAMAKI, S. (eds) 1975: "Annual Report of the World Volcanic Eruptions in 1973, with Supplements". *Bull. volc. Eruptions* 13 : 67 p.
- KATSUI, Y.; ARAMAKI, S. (eds) 1976: "Annual Report of the World Volcanic Eruptions in 1974, with Supplements". *Bull. volc. Eruptions* 14 : 66 p.
- KATSUI, Y.; ARAMAKI, S. (eds) 1977: "Annual Report of the World Volcanic Eruptions in 1975, with Supplements". *Bull. volc. Eruptions* 15 : 67 p.
- KATSUI, Y.; ARAMAKI, S. (eds) 1978: "Annual Report of the World Volcanic Eruptions in 1976, with Supplements". *Bull. volc. Eruptions* 16 : 71 p.
- KATSUI, Y.; ARAMAKI, S. (eds) 1979: "Annual Report of the World Volcanic Eruptions in 1977". *Bull. volc. Eruptions* 17 : 83 p.
- KATZ, H.R. 1977: Developments in New Zealand and Southwestern Pacific island region in 1976. *Bull. Am. Ass. Petrol. Geol.* 61(10) : 1880-87.
- KATZ, H.R. 1978: Developments in New Zealand and Southwestern Pacific island region in 1977. *Bull. Am. Ass. Petrol. Geol.* 62(10) : 1900-5.
- KATZ, H.R. 1979: Developments in New Zealand and Southwestern Pacific island region in 1978. *Bull. Am. Ass. Petrol. Geol.* 63(10) : 1680-88.
- KATZ, H.R. 1980: Developments in New Zealand and Southwestern Pacific island region in 1979. *Bull. Am. Ass. Petrol. Geol.* 64(11) : 1775-84.
- KATZ, H.R. 1982: Oil and gas developments in New Zealand and Southwest Pacific islands in 1981. *Bull. Am. Ass. Petrol. Geol.* 66(11) : 2349-59.
- KENNETT, J.P. 1973: Middle and Late Cenozoic planktonic foraminiferal biostratigraphy of the Southwest Pacific - DSDP, Leg 21. In Burns, R.E.; Andrews, J.E. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 575-640.
- KENNETT, J.P.; MCBIRNEY, A.R.; THUNELL, R.C. 1977: Episodes of Cainozoic volcanism in the Circum-Pacific region. *J. volc. Geotherm. Res.* 2(2) : 834-43.
- KESLER, S.E.; JONES, L.M.; WALKER, R.L. 1975: Intrusive rocks associated with porphyry copper mineralisation in island arc areas. *Econ. Geol.* 70(4) : 515-26.
- KLEIN, G.deV. 1977: Subaqueous gravity flow sedimentation in the marginal basins of the western Pacific. (Abstr.) *Abstr. Progm. geol. Soc. Am.* 9(7) : 1052.
- KROENKE, L.W. 1980: Tectonic development of oceanic plateaus. (Abstr.) In "Second International Workshop on Geology, Mineral Resources and Geophysics of the South Pacific", New Caledonia, October 1980. CCOP/SOPAC-IOC/WESTPAC.
- KROENKE, L.W.; MANGHANI, M.H.; RAI, C.S.; FRYER, P.; RAMANANANTOANDRO, R. 1976: Elastic properties of selected ophiolitic rocks from Papua New Guinea : Nature and composition of oceanic lower crust and upper mantle. In Sutton, G.H. et al. (eds) "The Geophysics of the Pacific Ocean Basin and its Margin". *Geophys. Monogr.* 19 : 407-21.

- KYNE, R.F. 1974: Bougainville copper. Development of a major open pit complex. *J. Mines Metals Fuels* 1974 (10 - Open Pit Mining) : 285-97.
- LANDMESSER, C.W.; ANDREWS, J.E.; PACKHAM, G.H. 1975: Aspects of the geology of the eastern Coral Sea and the western New Hebrides Basin. *In* Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 647-62.
- LANG, A.; HUME, R. 1980: Ok Tedi Project - A geostatistical case study. *BHP Tech. Bull.* 24(1) : 11-17.
- LAY, T.; KANAMORI, H. 1978: Earthquake doublets in the Solomon Islands. (Abstr.) *EOS Trans. Am. geophys. Un.* 59(12) : 1125.  
also in : *Phys. Earth Planet. Interiors* 21 : 283-304 (1980)
- LEE, A.I.N. (ed.) 1980 "Fertilizer Mineral Occurrences in the Asia-Pacific Region". East West Resource Systems Institute, East West Center, Hawaii. 158 p.
- LEE, W.H.K.; MACDONALD, G.J.F. 1963: The global variation of terrestrial heat flow. *J. geophys. Res.* 68(24) : 6481-92.
- LLOYD, A.R. 1978: An outline of the Tertiary palaeontology and stratigraphy of the Gulf of Papua, Papua New Guinea. Pp 43-53 in "Proceedings of the 3rd Regional Conference on Geology and Mineral Resources of South Asia", November 1978, Bangkok.
- LOFFLER, E.; FAIRBRIDGE, R.W. 1975: Bismarck Archipelago. Pp 121-23 in Fairbridge, R.W. (ed.) "The Encyclopaedia of World Regional Geology. Part 1 : Western Hemisphere (including Antarctica and Australia)". Dowden, Hutchinson & Ross, Stroudsburg, Pennsylvania.
- LOFFLER, E.; MACKENZIE, D.E.; WEBB, A.W. 1980: Potassium-argon ages from some of the Papua New Guinea highlands volcanoes, and their relevance to Pleistocene geomorphic history. *J. geol. Soc. Aust.* 26(8) : 387-97.
- LORD, J.R. 1978: Geochemistry of the Frieda River prospect and the surrounding district, Papua New Guinea. *Proc. Int. Congr. Min. Metall.* 11 (Pap. 4) : 11 p, and 11 : 463-74.
- LOWDER, G.G.; WEBB, A.W. 1978: Petrographic descriptions and isotopic age determinations of four igneous rocks from New Ireland. (Appendix 2) in Hohonen, P.D. "Geology of New Ireland, Papua New Guinea". *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 184 : 38-39.
- LOWELL, J.D. 1980: Metallogenic and porphyry deposits of North America and the Pacific region. *In* Guillemain, C.; Lacey, P. (eds) "Resources Minérales - Mineral Resources". *Proc. 26th Int. Geol. Congr., Paris 1980*; and *Bull. Bur. Rech. Geol. Minier.* 106 : 40-47.
- LOWENSTEIN, P.L. 1974: Mineral sands in Papua New Guinea. *Rep. geol. Surv. Papua New Guinea No.* 74/29 : 5 p.
- LYONS, M.; LYONS, L. 1977: Papua New Guinea : Three porphyry copper prospects. *Wld Min.* 1977(5) : 44-49.
- MCCANN, W.R. 1980: Seismic potential and seismic regimes of the Southwest Pacific. (Abstr.) *EOS Trans. Am. geophys. Un.* 61(17) : 292.
- MCDUGALL, I.; PAGE, R.W. 1975: Toward a physical time-scale for the Neogene : Data from the Australian region. *Micropalaeontology, Spec. Publ.* 1 : 75-84.
- MCGOWRAN, B. 1979: The Tertiary of Australia : Foraminiferal overview. *Mar. Micropalaeont.* 4 : 235-64.
- MCGREGOR, P.M. 1979: Australian magnetic observations. *BMR Jl Aust. Geol. Geophys.* 4(4) : 361-71.
- MCIVER, R.D. 1973: Low residual gas contents of four Leg 21 canned sediment samples. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 723-50.
- McKEE, C.O. 1979: Karkar volcano, off the north coast of New Guinea. *EOS Trans. Am. geophys. Un.* 60(34) : 625.
- McKKEE, C.O.; COOKE, R.J.S. 1977: Karkar. *In* Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1975, with Supplements". *Bull. volc. Eruptions* 15 : 18-19.

- McKEE, C.O.; JOHNSON, R.W.; LOWENSTEIN, P.L.; RILEY, S.J.; BLONG, A.J. 1983: Volcanic hazards and eruption contingency planning of the Rabaul Caldera complex, Papua New Guinea. (Abstr.) *Probm. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 154-55.
- McKEE, C.O.; LOWENSTEIN, P.L. 1981: Results of volcano monitoring programs at Rabaul, Papua New Guinea, and potential hazards from future eruptions. (Abstr.). P. 226 in "IAVCEI Symposium - Arc Volcanism". Tokyo and Hakone, August-September 1981.
- McKEE, C.O.; LOWENSTEIN, P.L. 1981: Spatial distribution and variation of magma production rates and eruptive energies of volcanoes in the western Bismarck arc. (Abstr.) P. 227 in "IAVCEI Symposium - Arc Volcanism", Tokyo and Hakone, August-September 1981.
- MCCRACKEN, H.M. 1979: Plate tectonics. In "Earth Science Atlas of Australia". Bureau of Mineral Resources, Canberra.
- MACKENZIE, D.E. 1977: North Sepik Project, Papua New Guinea. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 196 : 141-43.
- MACKENZIE, D.E. 1977: New Britain Project, Papua New Guinea. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 196 : 144.
- MACKENZIE, D.E. 1977: Miscellaneous Projects, Papua New Guinea. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 196 : 144.
- MACKENZIE, D.E. 1977: Highland volcanoes - Nature and origin of Late Cainozoic volcanoes in western Papua New Guinea". *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 196 : 147-48.
- MACKENZIE, D.E. 1978: Papua New Guinea Highlands volcanoes project. In Johnson, R.W. et al. "Volcanology and Ore Genesis, Papua New Guinea". *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 208 : 182.
- MACKENZIE, D.E. 1978: Plate-tectonic evolution and delayed partial melting in western Papua New Guinea. *Bull. Aust. Soc. Explor. Geophys.* 9(3) : 89-90.
- MAHONEY, J.A.; RIDE, W.D.L. 1975: Index to the genera and species of fossil mammalia described from Australia and New Guinea between 1838 and 1968. *Spec. Publ. west. Aust. Mus.* 6 : 250 p.
- MALAGUN, S.; TAMU, W. 1981: Coal occurrences in the central Huon Peninsula, near Pindiu, Morobe Province. *Science in New Guinea* 8(1) : 49-55.
- MALAHOFF, A. 1979: Aeromagnetic surveys of Southwest Pacific marginal basins. (Abstr.) *Gen. Assembly 17th Int. Ur. Geod. Geophys.* : Paper 5/14.
- MASON, B.D.; CARMICHAEL, I.S.E. 1974: Benioff zone magnetism. *J. geophys. Res.* 79(6) : 1196-1206.
- MASON, D.R. 1977: Zoned amphibole in the Yirri intrusive complex, Manus Island, Papua New Guinea. *Mineralog. Mag.* 41(320) : 528, M19.
- MASON, D.R. 1978: Compositional variations in ferromagnesian minerals from porphyry copper-generating and barren intrusions of the western Highlands, Papua New Guinea. *Econ. Geol.* 73(5) : 878-90.
- MASON, D.R. 1978: Evolution of porphyry copper mineralisation in an oceanic island arc : Panama - a discussion. *Econ. Geol.* 73(5) : 982-84.
- MASON, D.R. 1979: Chemical variations in ferromagnesian minerals : A new exploration tool to distinguish between mineralised and barren stocks in porphyry copper provinces. *Proc. 7th Int. Geochem. Explor. Symp., London* : 233; 49.
- MASON, D.R.; FEISS, P.G. 1979: On the relationship between whole-rock chemistry and porphyry copper mineralisation. *Econ. Geol.* 74(6) : 1506-10.
- MASON, D.R.; HEASLIP, J.E. 1980: Tectonic setting and origin of intrusive rocks and related porphyry copper deposits in the Western Highlands of Papua New Guinea. In Banks, R.R.; Green, D.H. (eds) "Orthodoxy and Creativity at the Frontiers of Earth Sciences" (Carey Symposium). *Tectonophysics* 63(1-4) : 235-59.
- MASON, D.R.; McDONALD, J.A. 1978: Intrusive rocks and porphyry copper occurrences at the Papua New Guinea-Solomon Islands : A reconnaissance study. *Econ. Geol.* 73(5) : 857-77.

- MASUDA, A.; SHIMIZU, H.; INENAGA, N. 1977: Search for chemical effect on partitioning of rare-earth elements in the crystallisation process of basaltic systems at 20 kb, with some applications. *Geochem. J.* 11(1) : 21-32.
- MATSUMOTO, H. 1976: Petrological study on some rocks from Rabaul volcano. *Kumamoto J. Sci., Geol.* 19(1j) : 19-26 [in Japanese]
- MATTHEWS, R.K. 1976: Sea level records from coral reefs in tectonically active areas. (Abstr.) *Abstr. Progm. geol. Soc. Am.* 8(6) : 1000.
- MATTI, J.C.; ZEMMELS, I.; COOK, H.E. 1973: Mineralogy and mineralogic trends in sediments from the Tasman and Coral Seas, Leg 21, Deep Sea Drilling Project. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 723-50.
- MILSOM, J.S. 1981: Neogene thrust emplacement from a frontal arc in New Guinea. In McClay, K.R.; Price, N.J. (eds) "Thrust and Nappe Tectonics". *Spec. Publ. geol. Soc. Lond.* 9 : 417-24.
- MITCHELL, A.H.; BELL, J.D. 1976: Island arc evolution and related mineral deposits. Pp 71-95 in Walker, W. (ed.) "Metallurgy and Global Tectonics". (Benchmark Papers in Geology No. 29.) Dowden, Hutchinson & Ross Inc., Stroudsburg, Pennsylvania.
- MITCHELL, A.H.C.; GARSON, M.S. 1976: Mineralisation at plate boundaries. *Miner. Sci. Engng* 8(2) : 129-69.
- MORRIS, L.; SMOOKLER, S.; GLOVER, D. 1977: "Catalogue for Seismograms and Strong-motion Records". *Rep. Wld Data Cent. A. Solid Earth Geophys. SE-6* : 72 p.
- MROZOWSKI, C.L.; HAYES, D.E. 1978: Sediment isopachs. In Hayes, D.E. (ed.) "A Geophysical Atlas of East and Southeast Asian Seas". Geological Society of America, MC-25.
- MUTTER, J.C. 1977: The Queensland Plateau. *Bull. Aust. Miner. Resour. Geol. Geophys. Aust.* 179 : 55 p.
- MUTTER, J.C.; KARNER, G. 1978: Cretaceous taphrogeny in the Coral Sea. *Bull. Aust. Soc. explor. Geophys.* 9(3) : 82-87.
- MUTTER, J.C.; KARNER, G.D. 1980: The continental margin off northeast Australia. Pp 47-69 in Henderson, R.A.; Stephenson, P.J. (eds) "The Geology and Geophysics of Northeastern Australia". Geological Society of Australia, Queensland Division, Brisbane.
- NEEF, G. 1978: A convergent subduction model for the Solomon Islands. *Bull. Aust. Soc. explor. Geophys.* 9(3) : 99-103.
- NIELSEN, R.L.; GRANT, J.N. 1975: Structural development of the Yandera porphyry copper deposit, Papua New Guinea. (Abstr.) *Abstr. Progm. geol. Soc. Am.* 7(7) : 1213.
- NIXON, P.H. 1979: Chromium garnet, uvarovite, from eastern Papua New Guinea. *Science in New Guinea* 6(1) : 16-18.
- NIXON, P.H.; BOYD, F.R. 1979: Garnet-bearing lherzolites and discrete nodule suites from the Malaita alnoite, Solomon Islands, S.W. Pacific, and their bearing on oceanic mantle composition and geotherm. In Boyd, F.R.; Meyer, H.O.A. (eds) "The Mantle Sample : Inclusions in Kimberlites and Other Volcanics". *Proc. 2nd Int. Kimberlite Conf., New Mexico* 2 : 400-23.
- NIXON, P.H.; COLEMAN, P.J. 1978: Garnet-bearing lherzolites and discrete nodule suites from the Malaita Alnoite, Solomon Islands, and their bearing on the nature and origin of the Ontong Java Plateau. *Bull. Aust. Soc. explor. Geophys.* 9(3) : 103-7.
- NIXON, P.H.; CHAPMAN, N.R.; SMITH, J.V. 1980: Origin of Ba-rich sanidine megacrysts in a porphyry from Papua New Guinea. *Mineralog. Mag.* 43 : 845-50.
- NOMURA, M. 1979: Marine geomagnetic anomalies with intermediate wavelengths in the western Pacific region. *Bull. Ocean Res. Inst., Univ. Tokyo* 11 : 1-42.
- NORRIS, D.J. 1978: Geomagnetic change associated with thermal activity on Kadovar Island, Papua New Guinea. *Bull. Aust. Soc. explor. Geophys.* 9(3) : 90-93.
- NOVICK, M.; HUTCHISON, D.S. 1980: Aitape-Vanimu, Papua New Guinea, Geological Map, Scale 1:250,000 - Explanatory Notes, Sheets SA/54-15 and SA/54-11. Geological Survey, Papua New Guinea, Port Moresby.



- NUR, A.; BEN-AVRAHAM, Z. 1980: Oceanic plates in the tectonic evolution of the Pacific. (Abstr.) *J. Phys. Earth* 26, *Suppl.* : 521-37.
- NUR, A.; BEN-AVRAHAM, Z. 1980: Oceanic plates in the tectonic evolution of the Pacific. (Abstr.) *Proc. 26th Int. Geol. Congr., Paris 1* : 369.
- O'DEA, T.R. 1980: Gold mineralisation at Porgera, Papua New Guinea. *Proc. Australas. Instn Min. Metall., N.Z. Conf.* : 9-23.
- OLDFIELD, F. 1977: Lake sediments and human activities in prehistoric Papua New Guinea. Pp 57-60 in Winslow, J. (ed.) "The Melanesian Environment". Australian National University Press, Canberra.
- OLDFIELD, F.; APPLEBY, P.G.; BATTERBEE, R.W. 1978: Alternative <sup>210</sup>Pb dating: Results from the New Guinea Highlands and Lough Erne. *Nature, Lond.* 271(5643) : 339-42.
- OLDFIELD, F.; APPLEBY, P.G.; THOMPSON, R. 1980: Palaeoecological studies of lakes in the Highlands of Papua New Guinea. 1. The chronology of sedimentation. *J. Ecol.* 68 : 457-77.
- OLDFIELD, F.; DEARING, J.A.; THOMPSON, R.; GARRET-JONES, S. 1978: Some magnetic properties of lake sediments and their possible links with erosion rates. *Polskie Archiwum Hydrobiol.* 25(1-2) : 321-31.
- OLLIER, C.D. 1981: "Tectonics and Landforms". (Geomorphology Texts No. 6.) Longman, London. 324 p.
- OLLIER, C.D.; PAIN, C.F. 1978: Geomorphology and tectonics of Woodlark Island, Papua New Guinea. *Z. Geomorph. (n.f.)* 22(1) : 1-20.
- OLLIER, C.D.; PAIN, C.F. 1980: Actively rising surficial gneiss domes in Papua New Guinea. *J. geol. Soc. Aust.* 27(1 & 2) : 33-44.
- OLLIER, C.D.; PAIN, C.F. 1981: Active gneiss domes in Papua New Guinea : New tectonic landforms. *Z. Geomorph.(n.f.)* 25(2) : 133-45.
- PACKHAM, G.H.; FALVEY, D.A. 1980: Tectonic evolution and kinematics of the Southwest Pacific. (Abstr.) In "Second International Workshop on Geology, Mineral Resources and Geophysics of the South Pacific", New Caledonia, October 1980. CCOP/SOPAC-IOC/WESTPAC.
- PACKHAM, G.H.; VAN DER LINGEN, G.J. 1973: Progressive carbonate diagenesis at Deep Sea Drilling Sites 206, 107, 108, and 210 in the Southwest Pacific and its relationship to sediment physical properties and seismic reflectors. In Burns, R.E.; Andrews, J.E. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 495-522.
- PAGE, P.W.; RYBURN, R.J. 1977: K-Ar ages and geological relations of intrusive rocks in New Britain. *Mar. Geol.* 12 :
- PAIN, C.F.; BLONG, R.J. 1979: The distribution of tephra in the Papua New Guinea Highlands. *Search* 10(6) : 228-30.
- PARROT, J.F.; DUGAS, F. 1980: Southwest Pacific geodynamic model based on the ophiolites and ophiolite-related metamorphic rocks. (Abstr.) *Proc. 26th Int. Geol. Congr., Paris 1* : 374.
- PARROT, J.F.; DUGAS, F. 1980: The disrupted ophiolitic belt of the Southwest Pacific: Evidence of an Eocene subduction zone. *Tectonophysics* 66(4) : 349-72.
- PASCAL, G. 1976: Seismicite et tectonique de la region Nouvelle Guinee, Papouasie et Iles Salomon. [Seismicity and tectonics in the New Guinea, Papua and Solomon Islands region.] (Abstr.) *Reun. a. Sci. Terre (Progr. Resumes)* 4 : 32.
- PASCAL, G. 1979: Seismotectonics of the Papua New Guinea-Solomon Islands region. *Tectonophysics* 57 : 7-34.
- PERFIT, M.R. 1979: The petrochemistry of alkaline volcanic rocks from the Tabar-to-Feni Islands, Papua New Guinea : An anomalous alkalic island arc? (Abstr.) *Proc. 49th ANZAAS Congr., Auckland 1* : 178.
- PERFIT, M.R.; ARCULUS, R.J.; JOHNSON, R.W.; CHAPPELL, B.W. 1978: Mineralogy, major trace and isotope chemistry of volcanic rocks from the Tabar-to-Feni Islands, Papua New Guinea : An alkalic island arc (Abstr.) *Abstr. Progr. geol. Soc. Am.* 10(7) : 470.

- PERFIT, M.R.; GUST, D.A.; ARCULUS, R.J.; TAYLOR, S.R. 1979: Island arc basalts : Does their chemistry reflect a unique tectonic regime (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys.*  
also in : *Chem. Geol.* 30 : 227–56.
- PONOMAREVA, L.A. 1978: Biogeologic studies of the island regions of New Guinea and Tonga. (18th cruise of R/V *Dmitriy Mendeleev*). *Oceanology* 18(1) : 106–8.
- RADE, J. 1976: Biostratigraphic zonation based on calcareous nannoplankton in Papua New Guinea-northeast Australia. *Oil Gas J.* 22(4) : 18–20.
- RAVENNE, C.; DE BROIN, C.D.; AUBERTIN, F. 1982: Structure et histoire de la region Salomon-Nouvelle Irlande. [Structure and history of the Solomon-New Ireland region.] *Trav. Doc. ORSTOM* 147 : 327–43.
- RESIG, J.M.; BUYANNANONTH, V.; ROY, K.J. 1976: Foraminiferal stratigraphy and depositional history in the area of the Ontong Java Plateau. *Deep-Sea Res.* 23(5) : 441–56.
- REYNOLDS, M.A.; BEST, J.G.; JOHNSON, R.W. 1980: 1953–57 eruption of Tulumán volcano : Rhyolitic volcanic activity in the northern Bismarck Sea. *Mem. geol. Surv. Papua New Guinea* 7 : 44 p.
- RICKARD, M.J. 1975: Australasia – regional review. Pp 21–28 in Fairbridge, R.W. (ed.) “The Encyclopaedia of World Regional Geology. Part 1 : Western Hemisphere (including Antarctica and Australia)”. Dowden, Hutchinson & Ross, Stroudsburg, Pennsylvania.
- RICHARD, M.J.; BELBIN, L. 1980: A new continental assembly for Pangaea. In Banks, M.R.; Green, D.H. (eds) “Orthodoxy and Creativity at the Frontiers of Earth Sciences”. (Carey Symposium) *Tectonophysics* 63(1-4) : 1–12.
- RIDGE, J.D. 1976: Papua New Guinea : Bougainville ; Panguna. Pp 493–97 in Ridge, J.D. “Annotated Bibliographies of Mineral Deposits in Africa, Asia (Exclusive of the USSR) and Australasia”. Pergamon Press, Oxford.
- RIPPER, I.D. 1977: Some earthquake focal mechanisms in the New Guinea/Solomon Islands region 1969–1971. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 192.
- RIPPER, I.D. 1979: Australia/Solomon Sea plate boundary. (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys.* : paper 5/3.
- RIPPER, I.D.; MCCUE, K.F. 1981: The 09 March 1979, Port Moresby earthquake. *Science in New Guinea* 8(1) : 38–48.
- ROBINSON, S.P.; JAQUES, A.L. 1978: Karkar Island, Papua New Guinea, Geological Map, Scale 1:250,000 – Explanatory Notes, Sheets SN/55–2. Geological Survey, Papua New Guinea, Port Moresby.
- RONA, P.A.; RICHARDSON, E.S. 1978: Early Cenozoic global plate reorganisation. *Earth Planet. Sci. Lett.* 40(1) : 1–11.
- ROSE, J.C.; TRACY, R.W. 1971: Gravity results in the Solomon Islands region, aboard H.M.S. *Dampier*, 1965. *Hawaii Inst. Geophys. Data Rep.* 17. (Tech. Rep. HIG-71-2).
- RUXTON, B.P. 1978: Polygonal ridge patterns on the dissected Sepik Piedmont Plain, New Guinea. *J. geol. Soc. Aust.* 25(5) : 285–94.
- RYBURN, R.J. 1973: Metamorphic and structural geology in New Guinea. Unpubl. Ph.D. thesis, University of Auckland, New Zealand.
- RYBURN, R.J. 1975: Talasea-Gasmata, New Britain, Papua New Guinea, Geological Map, Scale 1:250,000 – Explanatory Notes, Sheets SB/56-5 and SB/56-9. Geological Survey, Papua New Guinea, Port Moresby.
- RYBURN, R.J. 1976: The median tectonic line in New Guinea – a continent – island arc collision suture. (Abstr.) *BMR Jl Aust. Geol. Geophys.* 1(3) : 257.
- SABITAY, A. 1978: The status of hydrocarbon exploration, offshore northeastern Australia and the Gulf of Papua. *APEA Jl* 18(1) : 77–82.
- SAKAI, H.; MATSUBAYA, O. 1974: Isotopic geochemistry of the thermal waters of Japan and its bearing on the Kuroko ore solutions. *Econ. Geol.* 69(5) : 974–91.
- SAKUYAMA, M. 1981: Phenocryst assemblages and H<sub>2</sub>O contents in Circum-Pacific arc magmas. (Abstr.) Pp 316–17 in “IAVCEI Symposium – Arc Volcanism”, Tokyo and Hakone, August–September 1981.

- SANTO, T. 1970: Regional study on the characteristic seismicity of the world. Part IV: New Britain Island region. *Bull. Earthq. Res. Inst. Tokyo Univ.* 48 : 127-43.
- SCHEIMANN, Y.M. 1968: Tectonics of the upper parts of the mantle under geosynclines and island arcs. In Knopoff, L.; Drake, C.L.; Hart, P.J. (eds) "The Crust and Upper Mantle of the Pacific Area". *Geophys. Monogr.* 12 : 466-72.
- SCHIMAZU, M. 1976: Cenozoic igneous activity in the Japanese islands and its relations with that of the western Pacific belt. (Abstr.) *Proc. 26th Int. Geol. Congr., Sydney 1* : 63-64.
- SHIMIZU, H.; TOYA, S.; HORI, T. 1970: Ore reserve estimations of Bougainville copper mine. *Min. Geol.* 20(100) : 79-91. [in Japanese]
- SHIRLEY, J.E. 1979: Crustal structure of north Queensland from gravity anomalies. *BMR Jl Aust. Geol. Geophys.* 4(4) : 309-21.
- SHREIDER, A.A. 1975: Geological and geophysical investigation of the Picklington Reef carried out on board R/V *Fedor/Litke*. (Abstr.) *Proc. 13th Pacif. Sci. Congr., Vancouver 1* : 413.
- SHUTO, K.; KAGAMI, H.; IIZUMI, GORAI, M. 1977: Strontium isotopic features of the Cenozoic volcanic rocks, with special references to those of the circum- and intra-Pacific regions. *Pacif. Geol.* 12 : 47-70.
- SIMKIN, T.; SIEBERT, L. 1981: Arc volcanism in space and time : A look at the global historic record. (Abstr.) Pp 342-43 in "IAVCEI Symposium - Arc Volcanism", Tokyo and Hakone, August-September 1981.
- SIMKIN, T.; SIEBERT, L.; MCCLELAND, L.; BRIDGE, D.; NEWHALL, C.; LATTER, J.H. 1981: Volcanoes of the World : A regional directory, gazetteer and Chronology of volcanism during the last 10,000 years". Hutchinson Press Publishing Co. (for Smithsonian Institution), Stroudsburg, Pennsylvania. 232 p.
- SKWARKO, S.K. 1978: Stratigraphic tables, Papua New Guinea. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 1973.
- SKWARKO, S.K. 1981: A new upper Mesozoic trigoniid from western Papua New Guinea. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 209 : 53-55, and pl.4 on pp. 74-75.
- SKWARKO, S.K. 1981: First report of Megatrigoniinae (Bivalvia, Cretaceous) from Papua New Guinea. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 209 : 57-58, and pl.5 on pp. 76-77.
- SKWARKO, S.K. 1981: *Nototrigonia cinotuta* (Bivalvia, mainly Lower Cretaceous) from northern Queensland and Papua New Guinea. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 209 : 59-61, and pl.6 at pp. 78-79.
- SKWARKO, S.K. 1981: *Spia*, a new Triassic bivalve from Papua New Guinea. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 209 : 63-64.
- SMITH, I.E.M. 1977: Do andesites imply subduction? *EOS Trans. Am. geophys. Un.* 58(6) : 527.
- SMITH, I.E.M. 1979: Relationship between magmatic associations and tectonic setting in arc-trench environments of the Southwest Pacific (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys.* : paper 5/5.
- SMITH, I.E.M. 1981: Contrasting rhyolite suites in the late Cenozoic of Papua New Guinea. *J. geophys. Res.* 86(B11) : 1057-72.
- SMITH, I.E.M. CHAPPELL, B.W.; WARD, G.K.; FREMANN, R.S. 1977: Peralkaline rhyolites associated with andesitic arcs of the Southwest Pacific. *Earth Planet. Sci. Lett.* 37 : 230-36.
- SMITH, I.E.M.; TAYLOR, S.R.; JOHNSON, R.W. 1979: Re-fractionated trachytes and dacites from Papua New Guinea and their relationship to andesite petrogenesis. *Contr. Miner. Petrol.* 69: 227-33.
- SMITH, I.E.M.; WARD, G.K.; AMBROSE, W.R. 1977: Geographic distribution and the characterisation of volcanic glasses in Oceania. *Archaeol. Phys. Anthropol. Oceania* 12(3) : 172-201.

- SMITH, W.D. 1978: Semi-quantitative interpretation of drainage geochemical data applied to porphyry copper search in Papua New Guinea. *Proc. Int. Congr. Min. Metall*, 11 : 475-85 (paper 47).
- SOLOVIEV, S.L. 1970: Recurrence of tsunamis in the Pacific. Pp 149-63 in Adams, W.M. (ed.) "Tsunamis in the Pacific Ocean". East-West Center Press, Honolulu.
- SOLOV'YEVA, I.A. 1976: Deep structure of the Pacific crust. *Geotectonics* 10(3) : 157-68.
- STANTON, B.R. 1975: Bibliography of the physical oceanography of the Tasman and Coral Seas, to 1974. *Misc. Publs N.Z. oceanogr. Inst.* 66 : 36 p.
- STANTON, R.L. 1978: Mineralisation in island arcs with particular reference to the Southwest Pacific region. *Proc. Australas. Inst. Min. Metall.* 268 : 9-19.
- SUCKSDORFF, C.; NEVANLINNA, H.; SVENDSEN, K.K. 1979: "Geomagnetic Observatories 1978". U.S. Department of Commerce, NOAA, Environmental Data & Information Service. *Rep. Wld Data Cent. A. Solic Earth Geophys. SE-21* : 87 p.
- SUNDARALINGHAM, K. 1978: Uppermost upper mantle beneath Solomon Sea. *Search* 9(4) : 155-56.
- SUNDARALINGHAM, K. 1979: S-wave propagation in the uppermost mantle beneath Papua New Guinea. *Science in New Guinea* 6(2) : 72-79.
- SYMONDS, P.A.; FRITSCH, J.; SCHULTER, H.Ü. 1982: Continental margin around western Coral Sea Basin : Structural elements, seismic sequences, and petroleum geological aspects. *Prog. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 45.  
also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 985.
- TAYLOR, B. 1978: Mesozoic magnetic anomalies in the Lyra Basin. (Abstr.) *EOS Trans. Am. geophys. Un.* 59(4) : 320.
- TAYLOR, B. 1978: Bismarck Sea : Evolution of a back-arc basin. (Abstr.) *EOS Trans. Am. geophys. Un.* 59(12) : 1190.  
also in : *Geology* 7(4) : 171-74 (1980).
- TAYLOR, B. 1982: Subduction of Woodlark spreading system at Solomon Island arc. *Prog. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 46.  
also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 985.
- TAYLOR, G.; HUGHES, G.W. 1975: Biogenesis of the Rennell bauxite. *Econ. Geol.* 70 : 542-46.
- TAYLOR, L.; FALVEY, D. 1977: Queensland plateau and Coral Sea basin : Stratigraphy, structure and tectonics. *APEA Jl* 17 : 13-29.
- TAYLOR, S.R. 1977: Island arc models and the composition of the continental crust. In Talwani, M.; Pitman, W.C. (eds) "Island Arcs, Deep Sea Trenches, and Back-arc Basins". Maurice Ewing Series 1. American Geophysical Union, Washington. 470 p.
- THOMPSON, R.; OLDFIELD, R. 1978: Evidence for Recent paleomagnetic secular variation in lake sediments from the New Guinea Highlands. *Phys. Earth Planet. Interiors* 17 : 300-6.
- TIFFIN, D.L. 1981: Papua New Guinea offshore survey - Cruise PN-81(2), 9-22 March 1981. *CCOP/SOPAC Cruise Rep. No. 53*.
- TIFFIN, D.L. 1981: Papua New Guinea offshore survey - Cruise PN-81(3), 25-31 March 1981. *CCOP/SOPAC Cruise Rep. No. 54*.
- TIFFIN, D.L.; VEDDER, J.G. 1982: General seismic and bathymetric survey of parts of Rabaul Harbour, Papua New Guinea, 11 June 1982. *CCOP/SOPAC Cruise Rep. No. 69*.
- TIRATSOO, E.N. 1976: "Oilfields of the World" 2nd Edition. Scientific Press Ltd, Beaconsfield. 384 p.
- TITLEY, S.R. 1975: Geological characteristics and environment of some porphyry copper occurrences in the Southwestern Pacific. *Econ. Geol.* 70(3) : 499-514.
- TITLEY, S.R. 1978: Geologic history, hypogene features, and processes of secondary sulfide enrichment at the Plesyumi Copper Prospect, New Britain, Papua New Guinea. *Econ. Geol.* 73(5) : 768-84.
- TITLEY, S.R. 1978: Copper, molybdenum and gold content of some porphyry copper systems of the Southwestern and western Pacific. *Econ. Geol.* 73(5) : 977-81.

- TITLEY, S.R.; HEIDRICK, T.L. 1976: Plate tectonic implications of the structural evolution of some Southwest Pacific porphyry-copper systems (Abstr.) *Proc. 25th int. Geol. Congr., Sydney 3* : 745-46.
- TITLEY, S.R.; HEIDRICK, T.L. 1978: Intrusion and fracture styles of some mineralised-porphyry systems of the Southwestern Pacific and their relationship to plate interactions. *Econ. Geol.* 73(5) : 891-903.
- TITLEY, S.R.; FLEMING, A.W.; NEALE, T.I. 1978: Tectonic evolution of the porphyry copper system at Yandera, Papua New Guinea *Econ. Geol.* 73(5) : 810-28.
- TJHIN, K.T. 1976: Trobriand Basin exploration, Papua New Guinea. *APEA Jl 1976* : 81-90.
- TOMODA, Y. 1974: "Reference Book for Gravity Magnetic and Bathymetric Data of the Pacific Ocean and Adjacent Seas". University of Tokyo Press, Tokyo. 158 p.
- TOVISH, A.; SCHUBERT, G. 1978: Island arc curvature, velocity of convergence and angle of subduction. *Geophys. Res. Lett.* 5(5) : 329-32.
- UDINTSEV, G.B.; AGAPOVA, G.V.; BERESNEV, A.E.; VERZBHITSKIY, Y.V.; SUZYUMOV, A.Y.; FILIPAS, S.F. 1972: Tectonics of the geosynclinal basin and framework of the Bismarck Sea. *Dokl. Acad. Sci. USSR, Earth Sci. Sect.* 208(18) : 6-8.
- UDINTSEV, G.B.; AGAPOVA, G.V.; BERESNEV, A.F.; VERZBHITSKY, E.V.; SUZYUMOV, A.E.; FILIPAS, S.F. 1974: [Specific features of the lithosphere structure of the geosynclinal basin of the New Guinea Sea and its surroundings.] *Oceanologiya* 14 : 95-100.
- VALENCIA, M.J. 1977: Pleistocene stratigraphy of the western equatorial Pacific. *Bull. geol. Soc.m. (1)* : 14-50.
- VAN DER LINGEN, G.J. *et al.* 1973: Lithostratigraphy of eight drill sites in the Southwest Pacific - Preliminary results of Leg 21 of the Deep Sea Drilling Project. Pp 299-313 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- VAN DER LINGEN, G.J. 1973: Ichnofossils in deep-sea cores from the Southwest Pacific. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington (U.S. Government Printing Office) : 693-700.
- VEEVERS, J.J. 1980: Basins of the Australian craton and margin. Pp 73-80 in Bally, A.W. *et al.* "Dynamics of Plate Interiors". Geological Society of America, Washington. (Geodynamics Series, Vol. 1)
- VISSER, W.A.; LOFFLER, E. 1975: New Guinea. Pp 372-83 in Fairbridge, R.W. (ed.) "The Encyclopaedia of World Regional Geology, Part 1 : Western Hemisphere (including Antarctica and Australia). Dowden, Hutchinson & Ross, Stroudsburg, Pennsylvania.
- WALKER, D. 1978: Quaternary climates of the Australian region. Pp 82-97 in Pittock, A.B. *et al.* (eds) "Climatic Change and Variability : A Southern Perspective". Cambridge University Press, London.
- WALKER, D.A. 1977: High-frequency P<sub>n</sub> and S<sub>n</sub> phases recorded in the western Pacific. *J. geophys. Res.* 82(23) : 335-60.
- WALL, T. 1975: Use of the research reactor MOATA and associated facilities for the source identification of obsidian artifacts. Pp 337-50 in Barnard, N. (ed.) "Proceedings of a Symposium on Scientific Methods for Research in the Study of Ancient Chinese Bronzes and Southeast Asian Metal and Other Archaeological Artifacts". National Gallery of Victoria, Melbourne.
- WARD, G.K.; SMITH, I.E. 1974: Characterisation of chert sources as an aid to the identification of patterns of trade, southeast Solomon Islands : A preliminary investigation. *Mankind* 9 : 281-86.
- WATANABE, T.; LANGSTRETH, M.G.; ANDERSON, R.N. 1977: Heat flow in back-arc basins of the Western Pacific. Pp 137-61 in Talwani, M.; Pitman, W.C. (eds) "Island Arcs, Deep Sea Trenches, and Back-arc Basins". Maurice Ewing Series 1. American Geophysical Union, Washington. 470 p.
- WATMUFF, G. 1978: Geology and alteration-mineralisation zoning in the central portion of the Yandera porphyry copper prospect, Papua New Guinea. *Econ. Geol.* 73(5) : 829-56.

- WATTS, A.B.; BODINE, J.H.; BOWIN, C.D. 1978: Free-air gravity field. Pp 5-6 in Hayes, D.E. "A Geophysical Atlas of East and Southeast Asian Seas". Geological Society of America, MC-25.
- WEBSTER, P.J.; STRETEN, N.A. 1978: Late Quaternary ice age climates of tropical Australasia : Interpretation and reconstructions. *Quat. Res.* 10 : 279-309.
- WEISSEL, J.K. 1981: Magnetic lineations in marginal basins of the western Pacific. *Phil. Trans. R. Soc. Lond. A300* : 223-47.
- WEISSEL, J.K. 1981: Magnetic lineations in marginal basins of the western Pacific. Pp 5-27 in Vine, F.J.; Smith, R.G. (eds) "Extension Tectonics Associated with Convergent Plate Boundaries". The Royal Society, London.
- WEISSEL, J.K.; HAYES, D.E. 1978: Magnetic anomalies. P. 7 in Hayes, D.E. (ed.) "A Geophysical Atlas of East and Southeast Asian Seas". Geological Society of America, MC-25.
- WEISSEL, J.K.; TAYLOR, B.; KARNER, G.D. 1979: Opening of the Woodlark Basin and subduction of the Woodlark spreading centre. (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys.* : paper 4/4.
- WEISSEL, J.K.; TAYLOR, B.; KARNER, G.D. 1980: Geological/geophysical consequences of subducting the Woodlark spreading system at the Solomon Trench. (Abstr.) In "Second International Workshop on Geology, Mineral Resources and Geophysics of the South Pacific", New Caledonia, October 1980. CCOP/SOPAC-IOC/WESTPAC.
- WEISSEL, J.K.; WATTS, A.B. 1978: Evolution of the Coral Sea Basin. (Abstr.) In Uyeda, S.; Murphy, R.S.; Kobayashi, K. (eds) "Geodynamics of the Western Pacific". Proceedings of the International Conference on Geodynamics of the Western Pacific - Indonesian Region, March 1978, Tokyo. *Adv. Earth Planet. Sci.* 6 : 178.
- WEISSEL, J.K.; WATTS, A.B. 1979: Tectonic evolution of the Coral Sea Basin. *J. geophys. Res.* 84 : 4572-82.
- WEISSEL, J.K.; WATTS, A.B.; LAPOUILLE, A.; KARNER, G.D. 1977: Preliminary results from recent geophysical investigations in marginal basins of Melanesia. (Abstr.) *EOS Trans. Am. geophys. Un.* 58(6) : 504.
- WELLMAN, P. 1979: Bouger gravity anomaly map. In "Earth Science Atlas of Australia". Bureau of Mineral Resources, Canberra.
- WELLMAN, P. 1979: Free-air gravity. In "Earth Science Atlas of Australia". Bureau of Mineral Resources, Canberra.
- WHALEN, J.B.; BRITTEN, R.M.; MCDUGALL, I. 1980: Age measurements on the Frieda River Complex, Papua New Guinea. P. 200 in "Annual Reports on the Research School of Earth Sciences". Australian National University, Canberra.
- WHALEN, J.B.; MCDUGALL, I. 1980: Geochronology of the Uasilau-Yau Porphyry Copper Prospect, New Britain, Papua New Guinea. *Econ. Geol.* 75(4) : 566-71
- WILLCOX, J.B. 1977: Some gravity models of the continental margin in the Australian region. *Bull. Aust. Soc. explor. Geophys.* 8(4) : 118-24.
- WILLIAMS, G.E. 1978: Comments on "Late Quaternary climates of Australia and New Guinea". *Quat. Res.* 9 : 113-15.
- WINTERER, E.L. *et al.* 1971: "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 841 p.
- WOOLLARD, G.P. 1963: The Woods Hole-University of Wisconsin International Network of Gravimeter Bases : Appendix - Part 2. Descriptions and values of gravimeter bases. Pp 35-124 in Woollard, G.P.; Rose, J.C. "International Gravity Measurements". Geophysical and Polar Research Centre, University of Wisconsin, Madison, Wisconsin.

**BIBLIOGRAPHY OF  
GEOLOGY AND GEOPHYSICS  
OF SAMOA**

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This bibliography complements that published in *CCOP/SOPAC Tech. Bull. 1* (compiled up to November 1974) and should be used in association with it. References up to February 1983 are added here including those papers presented at the 15th Pacific Science Congress held in Dunedin, New Zealand, the same month.

This compilation results from a merge of computer searches made by the Librarian at N.Z.O.I. through various data bases (GEOARCHIVE, GEOREF, NTIS, Oceanic Abstracts) and a manual search of relevant journals in the N.Z.O.I. Library. Because some references were taken from lists of abstracting journals and computer searches rather than from the journal itself, they have not been seen and are not verified.



## SAMOA

- ANGEHEISTER, G.G. 1978: History of the Samoan Observatory, from 1902-1921. *N.Z. Dep. scient. ind. Res. Geophys. Div. Rep. 134* : 36 p.
- ANON. 1975: Lapita pottery and a lower sea level in western Samoa. *Pacif. Sci. 29(4)* : 309-16.
- ANON. 1981: Earthquakes. Samoa (M 7.7) 1 September. *SEAN Bull. 6(9)* : 9-10.
- AYRE, R.S.; MILETI, D.S.; TRAINER, P.B. 1975: Earthquake and tsunami hazards in the United States : a research assessment. Institute of Behavioral Science, Program of Technology, Colorado University, Boulder. *Monogr. No. NSF-RA-E-75-005*. 150 p.
- BARAZANGI, M.; ISACKS, B.; OLIVER, J. 1970: Propagation of seismic waves through and beneath the lithosphere that descends under the Tonga Island arc. (Abstr.) *Abstr. Progr. geol. Soc. Am. 2(7)* : 488-89.
- BARDSLEY, E. 1975: Preliminary bibliography of the geology and geophysics of Samoa. In Kroenke, L.W.; Bardsley, E. (eds) "Bibliography of Geology and Geophysics of the South Pacific". *U.N. ESCAP, CCOP/SOPAC Tech. Bull. 1* : 74-81.
- BIRRELL, K.S.; SEELYE, F.T.; GRANGE, L.I. 1939: Chromium in soils of western Samoa and Niue Island. *N.Z. Jl Sci. Technol. Ser. A21* : 9-95.
- BLOOM, A.L. 1980: Late Quaternary sea level change on South Pacific coasts : A study in tectonic diversity. In Moerner, M. (ed.) "Earth Rheology, Isostasy and Eustasy". Proceedings of Conference on Earth rheology and Late Cenozoic isostatic movements, Stockholm, July-August 1977. John Wiley & Sons, U.K. : 505-16.
- BROCHER, T.M.; HOLMES, R. 1982: Tectonic framework of Melanesian Borderland (Abstr.) *Progr. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 19-20.  
also in : *Bull. Am. Ass. Petrol. Geol. 66(7)* : 960
- BROCHER, T.M.; HOLMES, R. 1982: Paleoboundary between the Pacific and Austral-Indian plates on the northern Melanesian Borderland. (Abstr.) *EOS Trans. Am. geophys. Un. 63(45)* : 1120.
- BROCHER, T.M.; HOLMES, R. 1982: Geochemical and structural studies of the northern Melanesian Borderland, *Kana Keoki* cruise 820316, Leg 2. *CCOP/SOPAC Cruise Rep. 73*.
- BUCHANAN-BANKS, J.M. 1981: The October 28, 1979, landsliding on Tutuila, American Samoa. *Rep. U.S. geol. Surv. 8(81)* : 21 p.
- BUIST, A.G. 1967: Field survey in Savai'i, Western Samoa. *N.Z. archaeol. Ass. Newsl. 10(1)* : 35-52.
- BUIST, A.G. 1967: Radiocarbon dates for Savai'i, Western Samoa. *N.Z. archaeol. Ass. Newsl. 10(2)* : 70.
- CLARIDGE, G.G.C. 1981: Economic potential of clay deposits in selected South Pacific countries. *Proc. 9th Sess. CCOP/SOPAC* : 78-86.
- CLARIDGE, G.G.C.; PERCIVAL, H.J. 1980: Clay for brick-making : A study of the suitability of the soils of the Pacific Islands. *N.Z. Jl Sci. 23(4)* : 335-42.
- CCOP/SOPAC TECHNICAL SECRETARIAT, 1980: Cruise Report : WS78-2 : Western Samoa offshore. *Proc. 8th Sess. CCOP/SOPAC* : 96.
- COTTON, C.A. 1975: Levels of planation of marine benches. *Z. Geomorph. 63(7)* : 97-111.
- DAHL, A.L.; LAMBERTS, A.E. 1977: Environmental impact on a Samoan coral reef : A re-survey of Mayor's 1917 transect. *Pacif. Sci. 31(3)* : 309-19.
- DALY, R.A. 1924: The geology of American Samoa. *Publs Carnegie Instn 340* : 93-143.
- DANDY, A.J.; MORRISON, R.J. 1980: Phosphate sorption isotherms of South Pacific soils. *N.Z. Jl Sci. 23(4)* : 399-406.
- DAVIS, D.A. 1963: Ground-water reconnaissance of American Samoa. *U.S. Geol. Surv. water-supply Pap. 1608-C* : 1-12.
- DICKINSON, W.R. 1972: Petrogenesis of lavas from Western Samoa. *Bull. geol. Soc. Am. 83(9)* : 2709-16.

- EADE, J.V. 1980: Solosolo Beach Report (preliminary report on Solosolo Beach as a source of black sand for construction purposes). *CCOP/SOPAC Proj. Rep. 27 and Proc. 8th Sess. CCOP/SOPAC* : 93-96.
- EVANS, B. 1968: Huge river discovered on sea floor near Samoa. *San Diego Union, August 16, 1968*.
- EXON, N.F. 1982: Offshore sediments, phosphorite and manganese nodules in the Samoan region, Southwest Pacific. *S. Pacif. mar. geol. Notes 2(7)* : 103-20.
- FEIN, C.D. 1971: Some trace elements in lavas from the Lau Islands, Tofua, Tonga, and Tutuila, American Samoa. Unpubl. Ph.D. thesis, University of Hawaii, Honolulu. 97 p.
- FOUHY, E.; THOMPSON, R.M.C. 1980: Selected list of bibliographies of South Pacific Islands. *Misc. Publs N.Z. oceanogr. Inst. 91* : 30 p.
- GAUSS, G.A. 1981: Cruise report - Samoa offshore survey, WS-79(1A), 24-28 November 1979; WS-79(1B), 24 November, 3-6 December 1979; WS-79(2), 6-24 December 1979. *CCOP/SOPAC Proj. Rep. 31, 34, 35 and Proc. 9th Sess. CCOP/SOPAC* : 72-73.
- GLASBY, G.P.; MEYLAN, M.A.; MARGOLIS, S.V.; BACKER, H. 1980: Manganese deposits of the Southwestern Pacific Basin. Pp 137-83 in Varentsov, I.M.; Graselly, Gy (eds) "Geology and Geochemistry of Manganese. Volume 3. Manganese on the Bottom of Recent Basins". Akademia Kiado, Budapest. 357 p.
- GRAHAM, W.F.; DUCE, R.A. 1981: Atmosphere input of phosphorus to remote tropical islands. *Pacif. Sci. 35(3)* : 241-55.
- GREEN, R.C.; RICHARDS, H.G. 1975: Lapita pottery and a lower sea level in Western Samoa. *Pacif. Sci. 29(4)* : 309-16.
- HALUNEN, A.J. 1978: Cruise report : Apia harbour survey, 21-27 April 1978. *CCOP/SOPAC Proj. Rep. 13*.
- HALUNEN, A.J. 1979: Cruise report WS-78-2, Western Samoa offshore survey, 11-17 December 1978. *CCOP/SOPAC Proj. Rep. 22*.
- HALUNEN, A.J. 1980: Cruise report : Samoa offshore survey, WS-80(1), 8-13 January 1980. *CCOP/SOPAC Proj. Rep. 40 and Proc. 9th Sess. CCOP/SOPAC* : 73.
- HALUNEN, A.J.; WINTERSTEIN, E.; KAMMER, R. 1977: Cruise report : Western Samoa offshore survey, 20 July-11 August 1977. *CCOP/SOPAC Proj. Rep. 10*.
- HARRINGTON, H.J. 1976: Tectonics of the Pacific Basin and the Circum-Pacific Rim : An annotated bibliography for the interval 1967-1975. The University of New England, Armidale. 197 p.
- HAWKINS, J.W.; NATLAND, J.H. 1975: Nephelinites and basanites of the Samoan linear volcanic chain : Their possible tectonic significance. *Earth Planet. Sci. Lett. 24* : 427-39.
- HELFRICH, P. 1975: An assessment of the unexpected impact of a dredging project proposed for Palo Lagoon, American Samoa. *Sea Grant Tech. Rep. UNIHI-SEA-GRANT-TR-76-02* : 85 p.
- HOUSTON, J.R. 1980: Tsunami elevation predictions for American Samoa. Army Engineer Waterways Experiment Station, Hydraulics Laboratory, Vicksburg. *Tech. Rep. HL-80-16, Sept.* : 43 p.
- HOUSTON, J.R. 1980: Tsunami elevation predictions for American Samoa : Final report, No. 79 - June 80. Army Engineer Waterways Experiment Station, Hydraulics Laboratory, Vicksburg. *Rep. No. WES/TR/HL-80-16* : 157 p.
- HOYT, C.D.; GUSTAVSON, S.A. 1972: The mineral industry of . . . Pacific Island Possessions, and Trust Territory of the Pacific Islands. *Yb. U.S. Bur. Mines Miner. 1970(2)* : 633-39.
- HUBBARD, N.J. 1968: Rare earth elements Sr.<sup>87</sup>./<sup>89</sup>., K/Rb, and selected trace elements in some Samoan lavas. (Abstr.) *EOS Trans. Am. geophys. Un. 49(1)* : 353.
- HUBBARD, N.J. 1968: K-Rb and Ca-Sr in some intra-Pacific volcanic rocks. (Abstr.) *Spec. Pap. geol. Soc. Am. 101* : 100.
- JOHNSON, D.A. 1974: Deep Pacific circulation: Intensification during the early Cenozoic. *Mar. Geol. 17(2)* : 71-78.
- JOHNSON, D.A.; HOLLISTER, C.D.; LONSDALE, P.F. 1972: Carbonate sedimentation and abyssal circulation in the Samoan Passage. *Abstr. Progr. geol. Soc. Am. 4(7)* : 554.

- KEAR, D.; KAMMER, D.; BRANDS, C.L. 1981: The hydrogeology of Western Samoa. *S. Pacif. tech. Inventory 2* : 75-85.
- KEYS, J.E. 1963: The tsunami of 22 May 1960, in the Samoa and Cook Islands. *Bull. seism. Soc. Am.* 53 : 1211-27.
- KRAUSS, N.L.H. 1970: Bibliography of Swains Island, American Samoa. Krauss, 2437 Parker Place, Honolulu, Hawaii.
- KRAUSS, N.L.H. 1972: Bibliography of Rose Atoll, American Samoa. Krauss, 2437 Parker Place, Honolulu, Hawaii. 6 p.
- KROENKE, L.W.; JOUANNIC, C.; WOODWARD, P. (comps) 1983: Bathymetry of the Southwest Pacific. Chart 1 of the Geophysical Atlas of the Southwest Pacific. Scale 1:6,442,192 at 0°. 2 Sheets. Mercator Projection. CCOP/SOPAC.
- LAM, R.K. 1974: Atoll permeability calculated from tidal diffusion. *J. geophys. Res.* 79(21) : 3073-81.
- LANDMESSER, C.W.; KROENKE, L.W. 1976: Cruise report : Western Samoa offshore survey, 15-28 March 1976. *CCOP/SOPAC Proj. Rep. 2*.
- LANDS AND SURVEY, New Zealand, 1978: Western Samoa. American Samoa. Pp 27-30 pls 14-15 in "Atlas of the South Pacific". Government Printer, Wellington.
- LONSDALE, P.F. 1974: Abyssal geomorphology of a depositional environment at the exit of the Samoan Passage - Summary report. Scripps Institution of Oceanography, San Diego. *Rep. SIO-Ref-74-29; MPL-U-77/74* : 99 p.
- LONSDALE, P.F. 1975: Sedimentation and tectonic modification of Samoan archipelagic apron. *Bull. Am. Ass. Petrol. Geol.* 59(5) : 780-98.
- LONSDALE, P.F. 1981: Drifts and ponds of reworked pelagic sediment in part of the Southwest Pacific. *Mar. Geol.* 43(3-4) : 153-91.
- LONSDALE, P.F.; TYCE, R.C.; SPEISS, F.N. 1974: Near-bottom acoustic observations of abyssal topography and reflectivity. *Mar. Sci.* 1 : 293-317.
- MACDONALD, G.A. 1968: A contribution to the petrology of Tutuila, American Samoa. *Geol. Rdsch.* 57(3) : 821-37.
- MACDONALD, K.C.; HOLLISTER, C.D. 1973: Near-bottom thermocline in the Samoan Passage, west Equatorial Pacific. *Nature, Lond.* 243(5407) : 461-62.
- MCKENZIE, K. 1981: Studies of ostracods and other fauna in the Southwest Pacific. *CCOP/SOPAC Tech. Rep. 16*.
- MAENHAUT, W.; DARZI, M.; WINCHESTER, J.W. 1981: Seawater and nonseawater aerosol components in the marine atmosphere of Samoa. *J. geophys. Res.* 86(C4) : 3187-93.
- MAMMERICKX, J.; CHASE, T.E.; SMITH, S.M.; TAYLOR, I.L. 1974: Bathymetry of the South Pacific. Chart 12 (revised). Scripps Institution of Oceanography, La Jolla.
- MEYLAN, M.A.; GLASBY, G.P.; McDougall, J.C.; SINGLETON, R.J. 1977: Manganese nodules and associated sediments from the Samoan Basin and Passage. *NZOI oceanogr. Fld Rep.* 11 : 62 p.
- MEYLAN, M.A.; GLASBY, G.P.; KRUMBALIK, S.C. 1982: Lithology, colour, mineralogy and geochemistry of marine sediments from the Southwestern Pacific and Samoan Basins. *N.Z. Jl Geol. Geophys.* 25 : 437-58.
- MONAHAN, D.; FALCONER, R.H.K.; THARP, M. (scient. co-ords) 1982: General Bathymetric Chart of the Oceans (GEBCO). 5th Edition. Sheet 5.10. Scale 1:10,000,000 at 0°. Mercator Projection. IHO/IOC.
- NATLAND, J.H. 1973: Major element and trace element variation in alkalic lavas, Island of Tutuila, American Samoa. *Abstr. Prog. geol. Soc. Am.* 5(1) : 84-85.
- NATLAND, J.H. 1974: Geology and tectonics of the Fagaloa Shield Volcano, Island of Upolu, Western Samoa : Plate bending, faulting, and possible shear melting north of the Tonga Trench. (Abstr.) *Abstr. Prog. geol. Soc. Am.* 6(3) : 226.
- NATLAND, J.H. 1975: Petrologic studies of linear island chains. Part 1, the Samoan Islands; Part 2, the Line Islands. Unpubl. Ph.D. thesis, University of California, San Diego. 384 p.
- NATLAND, J.H. 1980: The progression of volcanism in the Samoan linear volcanic chain. *Am. J. Sci.* 280-A(2) : 709-35.

- NATLAND, J.H.; BATIZA, R. 1979: Depth of origin of Samoan basaltic rocks and the geochemistry of their source in the mantle. *Abstr. Progr. geol. Soc. Am.* 11(7) : 485-86.
- NATLAND, J.H.; CLAGUE, D.A. 1975: Comparison of Hawaiian and Samoan post-erosional volcanism. *Abstr. Progr. geol. Soc. Am.* 7(3) : 354.
- NEW ZEALAND GEOLOGICAL SURVEY, 1958: Savai'i, 1:10,000. Geological Map No. 1. *Bull. N.Z. geol. Surv.* 63.
- NEW ZEALAND GEOLOGICAL SURVEY, 1958: Upolu, 1:100,000. Geological Map No. 2. *Bull. N.Z. geol. Surv.* 63.
- OLLIER, C.D.; ZARRIELLA, P. 1979: Pe'ape'a lava cave, Western Samoa. *Trans. Br. Cave Res. Ass.* 6(3) : 1-3-42.
- REID, J.L.; LONSDALE, P.F. 1974: On the flow of water through the Samoan Passage. *J. phys. Oceanogr.* 4(1) : 58-73.
- REYNOLDS, S.G. 1971: Soil crusting in Western Samoa. Part I. Some examples of crusting and methods of control. *Earth Sci. J.* 5(1) : 16-22.
- REYNOLDS, S.G. 1971: Soil crusting in Western Samoa. Part II. Experimental investigation of factors influencing crust formation. *Earth Sci. J.* 5(1) : 23-28.
- REYNOLDS, S.G. 1974: Note on the relationship between size of area and soil moisture variability. *J. Hydrol.* 21(1/2) : 71-76.
- RISK, G.F. 1979: Electrical resistivity investigation of hydrological problems in Western Samoa. *N.Z. Dep. scient. ind. Res. Geophys. Div. Rep.* 152 : 63 p.
- RISON, W.; CRAIG, H. 1982: Helium 3 : Coming of age in Samoa. (Abstr.) *EOS Trans. Am. geophys. Un.* 53(45) : 1144.
- SARMIENTO, J.L.; BROECKER, W.S.; BISCAYE, P.E. 1978: Excess bottom radon 222 distribution in deep ocean passages. *J. geophys. Res.* 83(C10) : 5068-76.
- SCHROTH, C.L. 1970: Analysis and prediction of the properties of Western Samoa soils. Unpubl. thesis. *Diss. Abstr. Int.* 31(8) : 4444B-45B.
- SKINNER, N.J. 1981: Abrupt changes in secular acceleration of the geomagnetic field in the Pacific. *N.Z. Jl Geol. Geophys* 24(4) : 539-44.
- STACH, L.W. 1969: The mineral potential of Western Samoa. Preliminary Report. *Miner. Resour. Dev. Sect., ECAFE, Bangkok.*
- TYCE, R.C. 1976: Near-bottom observations of a 4 kHz acoustic of reflectivity and attenuation. *Geophysics* 41(4) : 673-99.
- UDINTSEV, G.B.; DMITRIEV, L.V.; SHARASK'KIN, A.Y. 1971: 49th leg of the *Vityaz* (Samoa-Tonga). *Priroda* 12 : 86-87.
- WHITE, W.M.; VOSHAGE, H.; HOFMANN, A.W. 1981: Isotope geochemistry of Samoa : Evidence for recycling of oceanic crust. (Abstr.) *EOS Trans. Am. geophys. Un.* 62(17) : 424.

**BIBLIOGRAPHY OF THE  
GEOLOGY AND GEOPHYSICS  
OF THE SOLOMON ISLANDS**

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The present bibliographic list of Solomon Islands builds on the listing "Bibliography of Geology and Geophysics of the South Pacific" (*Tech. Bull. 1* : 1-10), and includes only a few major items omitted from that listing. The list is, as far as possible, complete to the end of 1981, though as a matter of deliberate intent some items have been excluded, i.e., reports and commentaries on mineral and petroleum exploration and mining activities when these reports do not contain new geological data, production data, or revised reserve figures; I.S.C. monthly *Bulletins*, "Lists of Events and Associated Observations".

There are inevitable omissions arising from such contributing factors as delays in receipt of journals or inter-library-loans requested items, lack of access to some journals, especially the Russian oceanographic and tectonic literature, uncompleted search of some sources, and the compiler's ignorance of the existence of some items. Notification of omissions would be welcomed.

This listing is a side-product of a major exercise, the production of an exhaustive annotated bibliography of the geology and geophysics of the Solomon Islands, to be issued by the Solomon Islands Geological Survey.

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## SOLOMON ISLANDS

- ACHARYA, H.K. 1971: Variation of stress in upper mantle. (Abstr.) *EOS Trans. Am. geophys. Un.* 52(4) : 279.
- ACHARYA, N. 1971: Magnitude-frequency relation in deep-focus earthquakes. *Bull. seism. Soc. Am.* 61(5) : 1345-50.
- AMBROSE, W.R.; GREEN, R.C. 1972: First millenium B.C. transport of obsidian from New Britain to the Solomon Islands. *Nature, Lond.* 237(5349) : 31.
- ANDREWS, J.E. *et al.* 1973: Sediment core descriptions, R/V *Mahi* 1970 cruise, western Pacific. *Hawaii Inst. Geophys. Data Rep.* 24 (*Tech. Rep. HIG-73-7*) : 118 p.
- ANDREWS, J.E.; PACKHAM, G.H. *et al.* 1973: Southwest Pacific structures. Leg 30 : Deep Sea Drilling Project. *Geotimes* 18(9) : 18-21.
- ANDREWS, J.E.; PACKHAM, G.H. *et al.* 1975: "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 753 p.
- ANDREWS, J.E.; PACKHAM, G.H. *et al.* 1975: Site 287. In "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 133-73.
- ANDREWS, J.E.; PACKHAM, G.H. *et al.* 1975: Site 288. In "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 175-230.
- ANDREWS, J.E.; PACKHAM, G.H. *et al.* 1975: Site 289. In "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 231-398.
- ANON. 1970: British Solomon Islands Protectorate. Geological Survey. Annual Report for 1969. Honiara. Mimeographed. 18 p.
- ANON. 1971: British Solomon Islands Protectorate. Geological Survey. Annual Report for 1970. Honiara. Mimeographed. 9 p.
- ANON. 1972: Geology and exploration. *Wld Min.* 8(11) : 56.
- ANON. 1972: Utupua earthquake, Santa Cruz Islands, South Pacific Ocean. *Rep. Rev. Events Smithson. Instn Cent. short-lived Phenom.* 1917 : 133.
- ANON. 1972: British Solomon Islands. *Wld Mining, Catalog Surv. & Directory No.* 177.
- ANON. 1972: Solomon Islands earthquake, Solomon Islands, South Pacific. *Rep. Rev. Events Smithson. Instn Cent. short-lived Phenom.* 1971 : 94-95.
- ANON. 1975: Bougainville Strait earthquake, British Solomon Islands, South Pacific. *Rep. Rev. Events Smithson. Instn Cent. short-lived Phenom.* 1974 : 151-52.
- ANON. 1980: Ministry of Natural Resources, Geological Division. Annual Report for 1979. Honiara. Mimeographed. 14 p.
- ARCULUS, R.J.; GUEST, D.A. 1981: The intrinsic oxygen fugacity of peridotites from Itinome-gata, Japan, and megacryst ilmenite from the alnoitic breccia of Malaita, Solomon Islands. (Abstr.) Pp 14-15 in "IAVCEI Symposium - Arc Volcanism". August-September 1981, Tokyo and Hakone.
- ARTHUR, J.L. 1972: Interpretation report on Manning Strait area seismic survey, British Solomon Island Protectorate, for Southern Pacific Petroleum Company. Arthur, Surbrury & Ass. Pty Ltd. 7 p.
- ARTHURS, J.W. 1978: Mbambatana : Choiseul. Geological Map Sheet Ch.5, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- ARTHURS, J.W. 1979: Mineral occurrences in the Solomon Islands. (An explanation to accompany the 1:1,000,000 scale Mineral Occurrences Map of the Solomon Islands. *Bull. Solomon Isl. geol. Surv.* 13 : 55 p + map.
- ARTHURS, J.W. 1980: Mineral Occurrences Map of the Solomon Islands, 1:1,000,000 (1st Edition). Geological Survey, Division of Ministry of Natural Resources, Honiara.
- ARTHURS, J.W. 1981: The geology of the Mbambatana area, Choiseul, British Technical Co-operation, Western Solomons. *Mapping Proj. Rep.* 5 : 99 p.
- AVIAS, J. 1971: Major features of the New Guinea-Louisiade-New Caledonia-Norfolk arc system (Abstr.) *Proc. 12th Pacif. Sci. Congr., Canberra* : 364.

- AVIAS, J. 1973: Major features of the New Guinea-Louisiade-New Caledonia-Norfolk arc system. Pp 3-26 in Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- BAEKISAPA, M.C. 1978: Geology of small mineral deposits and the future of small-scale mining in the Solomon Islands. *Solomon Isl. geol. Surv. internal Rep.* 78/4.
- BAEKISAPA, M.C. 1979: Results of a follow-up survey in the Susulea area, Choiseul. *Solomon Isl. geol. Surv. internal Rep.* 79/5.
- BAEKISAPA, M.C. 1980: Limestone occurrences in the Solomon Islands with particular reference to metallurgical grade limestones. *Solomon Isl. geol. Surv. internal Rep.* 80/1.
- BAEKISAPA, M.C. 1981: A preliminary investigation of the Tanaemba clay deposit. *Solomon Isl. geol. Surv. internal Rep.* 81/1.
- BAEKISAPA, M.C. 1981: Bauxite deposits of Solomon Islands. *Solomon Isl. geol. Surv. internal Rep.* 81/10.
- BALAKINA, L.M. 1961: The character of stresses and rupture in the earthquake foci of the Pacific seismic zone. (Abstr.) *Proc. 10th Pacif. Sci. Congr., Honolulu* : 354.
- BALAKINA, L.M. 1962: General regularities in the directions of the principal stresses effective in the earthquake foci of the seismic belt of the Pacific Ocean. *Izv. Akad. Nauk SSSR, Geofiz. Ser.* 7 : 918-26.
- BARAZANGI, M. 1977: Relative excitation of Sn and Lg as a function of source depth and their propagation from Melanesia and Banda arc to Australia. (Abstr.) *EOS Trans. Am. geophys. Un.* 58(12) : 1183.
- BARAZANGI, M.; ISACKS, B.; DUBOIS, J.; PASCAL, G. 1974: Seismic wave attenuation in the upper mantle beneath the Southwest Pacific. *Tectonophysics* 24(1) : 1-12.
- BARAZANGI, M.; OLIVER, J.; ISACKS, B.L. 1977: Relative excitation of the seismic shear waves S.n. and L.g. as a function of source depth and their propagation from Melanesia and Banda arcs to Australia *Ann. Geofis.* 30(3-4) : 385-407.
- BELL, J.D.; STANTON, R.L. 1969: Petrological studies on the igneous rocks of the New Georgia Group, British Solomon Islands. *Proc. geol. Soc. Lond.* 1658 : 248-50.
- BENOIT, M.M. 1966: Seismic activity during 1964. *A. Rep. New Hebrides Condominium geol. Surv.* 1964 : 21-27.
- BENOIT, M.M. 1967: Seismicity activity : Seismic activity in the New Hebrides during 1965. *A. Rep. New Hebrides Condominium geol. Surv.* 1965 : 19-24.
- BENOIT, M.M. 1968: Seismic activity : Activity during 1966. *A. Rep. New Hebrides Condominium geol. Surv.* 1966 : 44-47.
- BERGER, W.H.; JOHNSON, T.C. 1976: Deep-sea carbonates : Dissolution and mass movement on Ontong Java Plateau. *Science, N.Y.* 192 : 785-87.
- BERGER, W.H.; JOHNSON, T.C.; HAMILTON, E.L. 1977: Sedimentation on Ontong Java Plateau. Observations on a classic "carbonate monitor". Pp 543-67 in Anderson, N.R.; Malahoff, A. (eds) "The Fate of Fossil Fuel CO<sub>2</sub> in the Ocean". Plenum Publishing Co., New York.
- BERGGREN, W.A.; VAN COUVERING, J.A. 1974: The Late Neogene : Biostratigraphy, geochronology and paleoclimatology of the last 15 million years in marine and continental sequences. *Palaeogeogr. Palaeoclim. Palaeoecol.* 16 : 1-216.
- BLACKWELL, M.R.L. 1973: A model of Bougainville copper's Panguna orebody (with discussion). *Int. Symp. Appl. Comput. Methods Miner. Ind.* 10 : 35-40.
- BLAKE, D.H. 1967: Bougainville Island, north and south; explanatory notes, 1:250,000 geological series, Sheets SB/56-8 and SB/56-12, international index. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* : 20 p.
- BLOT, C. 1963: Origine profonde des seismes superficiels et des eruptions volcaniques. [Deep origin of shallow earthquakes and volcanic eruptions.] *Gen. Assembly 13th Int. Un. Geod. Geophys.* : 12 p.
- BLOT, C. 1976: Volcanisme et seismicite dans les arcs insulaires : previsions de ces phenomenes. [Volcanism and seismicity in island arcs : prediction of these phenomena.] ORSTOM, Paris (Edition Géophysique 13) : 206 p.



- BLOT, C.; GROVER, J.C. 1966: Recent predictions of volcanic eruptions in the Southwest Pacific. (Abstr.) *Proc. 11th Pacif. Sci. Congr., Tokyo 3* : IV/22.
- BOSTROM, R.C. 1978: Motion of the Pacific plate and formation of marginal basins : Asymmetric flow induction. *J. phys. Earth, Suppl. 26* : 103-22.
- BOSTROM, R.C. 1979: Motion of the Pacific plate and formation of marginal basins : Asymmetric flow induction. In Uyeda, S.; Murphy, R.W.; Kobayashi, K. (eds) "Geodynamics of the Western Pacific". Proceedings of the International Conference on Geodynamics of the Western Pacific - Indonesian Region, March 1978, Tokyo. *Adv. Earth Planet. Sci. 6* : 103-22.
- BOURROUILH, F.G. 1976: The dolomites of Rennell Island, age, microfacies and geochemistry. A carbonate platform on the northern border of the Coral Sea. (Abstr.) *Proc. 25th Int. Geol. Congr., Sydney 3* : 843.
- BOURROUILH, F. 1977: Geomorphologie de quelques atolls dits 'soulevés' du Pacifique W et SW, origin et evolution des formes récifales actuelles. [Geomorphology of several 'uplifted' atolls in the W and SW Pacific, origin and evolution of the modern reef structures.] *Mem. Bur. Rech. Geol. Minier. 89* : 419-39.
- BOURROUILH-LE JAN, F.G. 1979: Les plates-formes carbonatées de haute énergie à rhodolites et la crise climatique du passage Mio-Pliocène dans le domaine Pacifique. [The rhodolite high energy carbonated platforms and the climatic crisis of the Mio-Pliocene age in the Pacific area.] *Bull. Cent. Rech. Explor. Prod. Elf-Aquitaine 3(2)* : 489-95.
- BOURROUILH-LE JAN, F.G. 1980: Phosphates, bauxite soils and dolomitic karst from the central and southwestern Pacific : Sedimentological and geochemical comparisons. *Bull. Bur. Rech. Geol. Minier. 24* : 113-28.
- BOURROUILH, F.; FIZON, F.; BAUMANN, P. 1976: La plate-forme carbonatée de l'île de Rennell (Salomon, Sud-Ouest Pacifique) est au minimum d'âge miocène moyen. [The carbonate platform of Rennell Island (Solomons, SW Pacific) is at least middle Miocene in age.] *C. r. hebdomadaire des séances de l'Académie des Sciences, Paris, ser. 3 282* : 1921-24.
- BRACEWELL, S. 1962: Bauxite, alumina and aluminium in Commonwealth Territories : British Solomon Islands Protectorate. In Bracewell, S. "Bauxite Alumina and Aluminium". Overseas Geological Surveys, Mineral Resources Division. H.M.S.O., London. 136 p.
- BROOKS, J.A. 1962: Seismic wave velocities in the New Guinea-Solomon Islands region. In MacDonald, G.A.; Kuno, H. (eds) "The Crust of the Pacific". *Geophys. Monogr. 6* : 2-10.
- BROWN, G. 1978: The International Bauxite Association. *Dossier (The Courier) 49, May-June 1978* : 69-71.
- BROWN, G.M.; SCHAIRER, J.F. 1968: Melting relations of some calc-alkaline volcanic rocks. *Yb. Carnegie Instn Wash. 66* : 460-67.
- BROWN, G.M.; SCHAIRER, J.F. 1971: The melting relations of some calc-alkalic volcanic rocks from the West Indies and the Solomon Islands. (Abstr.) In Proceedings of the 5th Caribbean Geological Conference. *Mem. geol. Soc. Am. 130*.
- BROWN, G.M.; SCHAIRER, J.F. 1971: Chemical and melting relations of some calc-alkaline volcanic rocks. *Mem. geol. Soc. Am. 130* : 139-57.
- BROWN, M.J.F. 1972: Bougainville pays in copper. *Geogr. Mag., Lond. 44(11)* : 734-36.
- BRYAN, W.B.; MACDONALD, K.C.; LUYENDYK, B.P. 1972: Evidence of sea-floor spreading in the Woodlark Basin. (Abstr.) *EOS Trans. Am. geophys. Un. 53(4)* : 412.
- BURKE, S.C. 1981: Recent benthic Foraminifera of the Ontong Java Plateau. *J. foram. Res. 11(1)* : 1-19, pls 1-3.
- BURNETT, W.C. 1973: Trace element geochemistry of biogenic sediments from the western equatorial Pacific. *Pacif. Sci. 29(2)* : 219-25.
- CAREY, S.W. 1963: The asymmetry of the Earth. *Aust. J. Sci. 25(9)* : 369-83; *25(12)* : 479-88.
- CARMICHAEL, I.S.E.; TURNER, F.J.; VERHOOGEN, J. 1974: Andesites and associated volcanic rocks of island arcs and continental margins. Pp 528-63 in "Igneous Petrology". McGraw Hill, New York.

- CHAPMAN, J.H.; EVANS, H.J. 1978: Wagina Island bauxite : Exploration and mining assessment. *Proc. 11th Comm. Min. Metall. Congr., Hong Kong, Pap. 5* : 7 p.
- CHAPRONIERE, G.C.H. 1979: Influence of plate tectonics on the distribution of early Neogene larger Foraminifera in the Australasian region. (Abstr.) *Proc. 49th ANZAAS Congr., Auckland 1* : 151.
- CHAPRONIERE, G.C.H. 1980: Influence of plate tectonics on the distribution of late Palaeogene to early Neogene larger Foraminifera in the Australasian region. *Palaeogeogr. Palaeoclim. Palaeoecol.* 31 : 299-317.
- CHASE, C. 1971: Tectonic history of the Fiji Plateau. *Bull. geol. Soc. Am.* 82 : 3087-110.
- CHIVAS, A.R. 1975: Geochemistry of the Koloula Igneous Complex, Guadalcanal. *Bull. Aust. Soc. explor. Geophys.* 6(2/3) : 64-65.
- CHIVAS, A.R. 1976: Magentic evolution and porphyry copper mineralisation. (Abstr.) *Proc. 25th Int. Geol. Congr., Sydney 1* : 48.
- CHIVAS, A.R. 1978: Porphyry copper mineralisation at the Koloula igneous complex, Guadalcanal, Solomon Islands. *Econ. Geol.* 73(5) : 645-77.
- CHIVAS, A.R.; MCDUGALL, I. 1978: Geochronology of the Koloula porphyry copper prospect, Guadalcanal, Solomon Islands. *Econ. Geol.* 73(5) : 678-89.
- CHIVAS, A.R.; WILKINS, R.W.T. 1977: Fluid inclusion studies in relation to hydrothermal alteration and mineralisation at the Koloula porphyry copper prospect, Guadalcanal. *Econ. Geol.* 72(2) : 153-69.
- CHIVAS, R.S. 1977: Geochemistry, geochronology and fluid inclusion studies of porphyry copper mineralisation at the Koloula Igneous Complex, Guadalcanal, Solomon Islands. Unpubl. Ph.D. thesis, University of Sydney, Australia.
- CHOUHAN, R.K.S.; GAUR, V.K.; RATHOR, H.S. 1970: Aftershock sequence of the Solomon Island earthquake of June 15, 1966. *Pure Appl. Geophys.* 80(3) : 162-70.
- CLARIDGE, G.G.C. 1980: Economic potential of clay deposits in selected South Pacific countries. *CCOP/SOPAC Tech. Rep. No. 9* and *Proc. 9th Sess. CCOP/SOPAC* : 78-80.
- CLARIDGE, G.G.C. 1982: Potential resources of ceramic clays in the Solomon Islands. *CCOP/SOPAC Tech. Bull.* 21.
- CLIFTON, R.A. 1977: British Solomon Islands. The mineral industry of other South Pacific islands. *Yb. U.S. Bur. Mines Miner.* 1974(3) : 1267.
- COLE, W.S. 1975: Concordant age determination by larger and planktonic Foraminifera in the Tertiary of the Indo-Pacific region. *J. foram Res.* 5(1) : 21-29.
- COLEMAN, P.J. 1965: Stratigraphic contrasts in the Solomon Islands and their tectonic implications. (Abstr.) *Proc. 38th ANZAAS Congr. Hobart, Sect. C.* : (no pagination)
- COLEMAN, P.J. 1967: Development of fractured island arcs. Pp 189-91 in Ringwood, A.E. (comp.) "I.C.S.U. Upper Mantle Project : Second Australian Progress Report, 1965-67". Australian Academy of Science, Canberra.
- COLEMAN, P.J. 1968: Tsunamis as geological agents. *J. geol. Soc. Aust.* 15(2) : 267-73.
- COLEMAN, P.J. 1969: Derived Eocene larger Foraminifera on Maewo eastern New Hebrides, and their Southwest Pacific implications. *A Rep. New Hebrides geol. Surv.* 1967 : 36-37.
- COLEMAN, P.J. 1974: Geological evolution and tectonic environments of the Southwest Pacific. Pp 1-8 in Taylor, G.F. (ed.) "Porphyry Copper Deposits of the Southwest Pacific". Geological Society of Australia, Sydney.
- COLEMAN, P.J. 1975: The Solomons as a non-arc. *Bull. Aust. Soc. explor. Geophys.* 6(2-3) : 60-61.
- COLEMAN, P.J. 1976: A re-evaluation of the Solomon Islands as an arc system. In Glasby, G.P.; Katz, H.R. (eds) "Marine Geological Investigations in the Southwest Pacific and Adjacent Areas". Papers presented at the I.D.O.E. Workshop, Suva, Fiji, September 1975. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 2 : 134:40.
- COLEMAN, P.J. 1978: Reflections on outer Melanesian Tertiary larger Foraminifera. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 192 : 31-36.
- COLEMAN, P.J. 1980: Plate tectonics background to biogeographic development in the Southwest Pacific over the last 100 million years. (Abstr.) *Proc. 49th ANZAAS Congr., Auckland 1* : 146.

- COLEMAN, P.J. 1980: Plate tectonics background to biogeographic development in the Southwest Pacific over the last 100 million years. *Palaeogeogr. Palaeoclim. Palaeoecol.* 31 : 105-21.
- COLEMAN, P.J.; HACKMAN, B.D. 1974: Geology of the Solomon Islands. In Spencer, A.M. (ed.) "Mesozoic-Cenozoic Orogenic Belts : Data for Orogenic Studies". *Spec. Publ. geol. Soc. Lond.* 4 : 453-61.
- COLEMAN, P.J.; KROENKE, L.W. 1981: Subduction without volcanism in the Solomon Islands arc. *Geo-mar. Lett.* 1 : 129-34.
- COLEMAN, P.J.; MCGOWRAN, B.; RAMSEY, W.R.H. 1978: New Early Tertiary ages for basal pelagites, northeast Santa Isabel, Solomon Islands (central Southwest Flank, Ontong Java Plateau). *Bull. Aust. Soc. explor. Geophys.* 9(3) : 110-14.
- COLEMAN, P.J.; PACKHAM, G.H. 1976: The Melanesian Borderlands and India-Pacific plates boundary. *Earth Sci. Rev.* 12(2/3) : 197-223.
- COLEMAN, P.J.; RICHARDS, J.R.; COOPER, J.A.; WEBB, A.W. 1967: Development of an island arc. P. 168 in Ringwood, A.E. (comp.) "I.C.S.U. Upper Mantle Project : Second Australian Progress Report, 1965-66". Australian Academy of Science, Canberra.
- CORNER, E.J.H. 1967: *Ficus* in the Solomon Islands and its bearing on the post-Jurassic history of Melanesia. *Phil. Trans. R. Soc. B253(783)* : 23-159.
- CORNER, E.J.H. (ed.) 1969: A discussion of the results of the Royal Society Expedition to the British Solomon Islands Protectorate, 1965. *Phil. Trans. R. Soc. B255* : 183-631.
- COULSON, F.C. 1980: History of hydrocarbon prospecting in the Solomon Islands. *Proc. 8th Sess. CCOP/SOPAC* : 82-85.
- COULSON, F.C. 1981: The history of hydrocarbon prospecting in Solomon Islands and an index of oil company and other marine data. *Solomon Isl. geol. Surv. internal Rep. No. 81/7*.
- COULSON, F.C. 1981: The economic geology of Solomon Islands. *Solomon Isl. geol. Surv. internal Rep. No. 81/8*.
- COX, K.G.; BELL, J.D. 1972: A crystal fractionation model for the basaltic rocks of the New Georgia Group, British Solomon Islands. *Contr. Miner. Petrol.* 37 : 1-13.
- COX, M.E. 1980: Geothermal occurrences in the Southwest Pacific. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 3 : 197-219.
- CRAIG, P.M. 1975: West Nendo : Nendo Map, Sheet E.O.I. 1. 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- CRAIG, P.M. 1975: East Nendo : Nendo Map, Sheet E.O.I. 2. 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- CRAIG, P.M. 1976: Utupua : Utupua Geological Map, Sheet E.O.I. 5. 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- CRAIG, P.M. 1981: Utupua. In Hughes, G.W.; Craig, P.M.; Dennis, R.A. "Geology of the Eastern Outer Islands". *Bull. Solomon Isl. geol. Surv. Div.* 4 : 64-66.
- CRAIG, P.M. 1981: Nendo Island. In Hughes, G.W.; Craig, P.M.; Dennis, R.A. "Geology of the Eastern Outer Islands". *Bull. Solomon Isl. geol. Surv. Div.* 4 : 34-63.
- CRONAN, D.S. 1981: Metalliferous sediments in the CCOP/SOPAC region of the Southwest Pacific, with particular reference to geochemical exploration for the deposits. *CCOP/SOPAC Tech. Rep. No. 17* and *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 4 : 55 p. (1983)
- CRONAN, D.S.; THOMPSON, B. 1978: Regional geochemical reconnaissance survey for submarine metalliferous sediments in the southwestern Pacific Ocean - a preliminary note. *Trans. Instn Min. Metall.* B87 : 87-89.
- CROOK, K.A.W. 1978: Stage maps to illustrate the development of the Southwest Pacific, 90 my to present : A consequence of Earth rotation? *Bull. Aust. Soc. explor. Geophys.* 9(3) : 152-58.
- CROOK, K.A.W.; BELBIN, L. 1978: The Southwest Pacific area during the last 90 million years. *J. geol. Soc. Aust.* 25(1) : 23-40.

- CULLEN, D.J. 1967: Island arc development in the Southwest Pacific. *Tectonophysics* 4(2) : 163-72.
- CULLEN, D.J. 1970: A tectonic analysis of the Southwest Pacific. *N.Z. Jl Geol. Geophys.* 13 : 7-20.
- CUMMINGS, D.; SCHILLER, G.I. 1971: Isopach map of the Earth's crust *Earth Sci. Rev.* 7 : 97-125.
- CUMMINGS, L.P. 1972: The Bougainville copper industry construction plan. *Aust. Geogr.* 12(1) : 55-56.
- CURTIS, J.W. 1973: The spatial seismicity of Papua New Guinea and the Solomon Islands. *J. geol. Soc. Aust.* 20(1) : 1-20.
- CURTIS, J.W. 1973: Plate tectonics and the Papua New Guinea-Solomon Islands region. *J. geol. Soc. Aust.* 21(1) : 21-36.
- CURTIS, J.W. 1973: A magnitude domain study of the seismicity of Papua New Guinea and the Solomon Islands. *Bull. seism. Soc. Am.* 63(30) : 787-806.
- CURTIS, J.W. 1974: A time domain study of earthquakes in the New Guinea region. *Pure Appl. Geophys.* 112(2) : 413-45.
- DANDY, A.J.; MORRISON, R.J. 1980: Phosphate sorption isotherms of South Pacific soils. *N.Z. Jl Sci.* 23(4) : 399-406.
- DANIEL, J.; HAWKINS, L.V.; JOUANNIC, C.; LARUE, M.; RECY, J. 1975: Marine geology of the east margin of the Indo-Australian plate between New Caledonia and Solomon Islands. (Abstr.) *Proc. 13th Pacif. Sci. Congr., Vancouver 1* : 396.
- DANIEL, J.; JOUANNIC, C.; LARUE, B.M.; RECY, J. 1978: Marine geology of eastern Coral Sea (eastern Margin of Indo-Australian Plate, north of New Caledonia). *S. Pacif. mar. geol. Notes* 1(8) : 81-94.
- DANITOFEA, S. 1981: Recommended rock and gravel sources for the Kaolo Airfield runway. *Solomon Isl. geol. Surv. internal Rep. No. 81/4.*
- DAVIES, G.L. 1977: The ages and uranium contents of zircons from kimberlites and associated rocks. (Extended Abstr.) In "Proceedings of the 2nd International Kimberlite Conference, Santa Fe, New Mexico, October 1977".
- DAWSON, J.B.; DELANEY, J.S.; SMITH, J.V. 1978: Aspects of the mineralogy of alnoitic breccia, Malaita, Solomon Islands. *Contr. Miner. Petrol.* 67 : 189-93.
- DAWSON, J.B.; SMITH, J.F. 1978: Aspects of the mineralogy of alnoitic breccia, Malaita, Solomon Islands : Comparison with continental kimberlites. *Contr. Miner. Petrol.* 62(2) : 189-93.
- DAWSON, J.B.; WYLLIE, P.J. (eds) 1979: A review of the geology of Kimberlite. Pp 241-51 in "Ultramafic and Related Rocks". University of Chicago Press, Chicago, Ill.
- DE BROIN, C.E.; AUBERTIN, F.; RAVENNE, C. 1977: Structure and history of the Solomon-New Ireland region. Pp 37-50 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- DEIGHTON, I.; TAYLOR, D. 1980: Potential delineation of island arc tectonics by foraminiferal distribution patterns. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 3 : 131-42.
- DEKAYNE, R.B. 1968: Copper mining on Bougainville. *Oonoon* 9 : 32-35.
- DELANEY, J.S.; HERVIG, R.L.; SMITH, J.V.; DAWSON, J.B.; NIXON, P.H. 1979: Petrologic heterogeneity in the Upper Mantle of the Earth : Barren and fertile harzburgites; Mantle section at Malaita, Solomon Islands : Implications for Venus and Mars. *Lunar Planet. Sci.* 10 : 283-85.
- DELANEY, J.S.; SMITH, J.V.; NIXON, P.H. 1979: Model for Upper Mantle below Malaita, Solomon Islands, deduced from chemistry of lherzolite and megacryst minerals. *Contr. Miner. Petrol.* 70 : 209-18.
- DENHAM, D. 1968: Seismicity of Papua New Guinea, 1958-1966. (Abstr.) *Proc. 40th ANZAAS Congr., Christchurch, Sect. C* : (no pagination)
- DENHAM, D. 1968: Thickness of the earth's crust in Papua New Guinea and the British Solomon Islands. *Aust. J. Sci.* 30(7) : 277.
- DENHAM, D. 1970: Seismicity of New Guinea and the Solomon Islands, and the new global tectonics. (Abstr.) In "Recent Crustal Movements". *Bull. R. Soc. N.Z.* 9 : 31-38.

- DENHAM, D. 1971: The seismicity of the Southwest Pacific and new global tectonics. (Abstr.) *Proc. 12th Pacif. Sci. Congr., Canberra* : 350.
- DENHAM, D. 1972: Earthquake focal mechanisms and continental drift. *APEA Jl* 122(2) : 81-85.
- DENHAM, D. 1973: Seismicity, focal mechanisms and the boundaries of the Indian-Australian plate. Pp 35-53 in Coleman, P.J. (ed.) "The Western Pacific Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- DENHAM, D. 1974: Seismicity of the New Guinea/Solomon Islands region, 1968. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 169 : 61 p.
- DENHAM, D. 1975: Distribution of underthrust lithosphere slabs and focal mechanisms - Papua New Guinea and Solomon Islands region. (Abstr.) *Bull. Aust. Soc. explor. Geophys.* 6(2/3) : 78-79.
- DENHAM, D. 1977: Summary of earthquake focal mechanisms for the Western Pacific-Indonesian region, 1929-1973. *Rep. Wld Data Cent. A., Solid Earth Geophys. SE-3* : 110 p.
- DENHAM, D.; BYRNE, W.M.J. 1969: A storage and retrieval system of seismic data for the New Guinea and Solomon Islands region. *Proc. Earthq. Engng Symp., Melbourne* 2 : 5 p.
- DENHAM, D.; EVERINGHAM, I.B. 1970: Seismicity in the New Guinea-Solomon Islands region. *Proc. 42nd ANZAAS Congr., Port Moresby, Sect. 5, Pap. 1* : 6 p. also in : *Trans. Civil Engng, April 1971* : 75-78.
- DENNIS, R.A. 1977: Vanikolo : Eastern Outer Islands Geological Map, Sheet E.O.I. 6, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- DENNIS, R.A. 1981: Vanikolo. In Hughes, G.W.; Craig, P.M.; Dennis, R.A. "Geology of the Eastern Outer Islands". *Bull. Solomon Isl. geol. Surv. Div.* 4 : 67-74.
- DE WEISSE, G. 1970: Bauxite sur un atoll du Pacifique; L'île de Rennell dans l'archipel des Salomon. [Bauxite on a Pacific atoll; Rennell Island, Solomon Islands.] *Miner. Deposita* 5(2) : 181-83.
- DICKINSON, W.R. 1971: Reconstruction of past arc-trench systems from petrotectonic assemblages in the island arcs of the western Pacific. (Abstr.) *Proc. 12th Pacif. Sci. Congr., Canberra* : 445.
- DICKINSON, W.R. 1973: Widths of modern arc-trench gaps proportional to past duration of igneous activity in associated magmatic arcs. *J. geophys. Res.* 78(17) : 3376-89.
- DICKINSON, W.R. 1973: Reconstruction of past arc-trench systems from petrotectonic assemblages in the island arcs of the western Pacific. Pp 569-601 in Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- DICKINSON, W.R.; SEELY, D.R. 1979: Structure and stratigraphy of forearc regions. *Bull. Am. Ass. Petrol. Geol.* 63(1) : 2-31.
- DOTT, R.H. 1969: Circum-Pacific late Cainozoic structural rejuvenation - implications for sea-floor spreading. *Science, N.Y.* 166(3907) : B74-76.
- DUBOIS, J. 1968: Etude de la dispersion des ondes de Rayleigh dans la region du Sud-Ouest Pacifique. [Study of the dispersal of Rayleigh waves in the Southwest Pacific region.] *Annls Geophys.* 24 : 1-10.
- DUBOIS, J. 1971: Propagation of P waves and Rayleigh waves in Melanesia : Structural implications. *J. geophys. Res.* 76(29) : 7217-40.
- DUBOIS, J.; DUGAS, F.; LAPOUILLE, A.; LOUAT, R. 1975: The troughs to the rear of the New Hebrides Island arc : Proposed mechanisms. (Abstr.) *Proc. 13th Pacif. Sci. Congr., Vancouver 1* : 398-99.
- DUBOIS, J.; DUGAS, F.; LAPOUILLE, A.; LOUAT, R. 1978: The troughs to the rear of the New Hebrides Island arc : Possible mechanism of formation. *Can. J. Earth Sci.* 15(3) : 351-60.
- DUBOIS, J.; LARUE, B.; PASCAL, G.; RECHENFELD, C. 1973: Seismology and structure of the New Hebrides. Pp 213-22 in Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.

- DUBOURDIEU, G. 1969: La ceinture du Pacifique et les synchronismes de son activite seismique. [The Circum-Pacific belt and the synchronism of its seismic activity.] Imprimerie du Neubourg, Le Neubourg. 47 p.
- DUDA, S.J. 1965: Secular seismic energy released in the Circum-Pacific Belt. *Tectonophysics* 2 : 409-52.
- DUNKLEY, P.N. 1981: Potential sand and gravel supplies for Noro Port, New Georgia. *Solomon Isl. geol. Surv. internal Rep. No. 81/13*.
- DUNKLEY, P.N.; HUGHES, G.W. 1981: Volcanism and the evolution of the ensimatic Solomon Islands Arc. (Abstr. + map). Pp 76-77 in "IAVCEI Symposium - Arc Volcanism", August-September 1981, Tokyo and Hakone.
- DUNN, J.R.; FULLER, M.; GREEN, G.; MCCABE, R.; WILLIAMS, I. 1979: Preliminary palaeomagnetic results from the Philippines, Marianas, Carolines and Solomons. (Abstr.) *EOS Trans. Am. geophys. Un. 60(18)* : 239.
- EADE, J.V. 1980: Cruise report : Solomon Islands/Papua New Guinea offshore survey, Cruise SI-79(2), 26 February-8 March 1979. *CCOP/SOPAC Proj. Rep. No. 24*.
- EADE, J.V. 1980: Solomon Islands gem coral survey : Cruise SI-79(3), 10 October-25 November 1979. *CCOP/SOPAC Proj. Rep. No. 38*.
- EADE, J.V. 1980: Review of precious coral in CCOP/SOPAC member countries. *CCOP/SOPAC Tech. Rep. No. 8*.
- EADE, J.V. 1981: Solomon Islands gem coral survey : Cruise SI-81(5). *CCOP/SOPAC Cruise Rep. No. 61*.
- EADE, J.V.; THOMSON, R.; IKO, S. 1977: Cruise report : Indispensable Reefs and Lake Tegano bauxite surveys, southern Solomon Islands. *CCOP/SOPAC Proj. Rep. No. 8*.
- EASTOE, C. 1980: Chemistry of magmatic fluids in the Panguna (Bougainville) porphyry copper deposits. (Abstr.) *Proc. 26th Int. Geol. Congr., Paris 26(3)* : 929.
- EKDALE, A.A.; BERGER, W.H. 1978: Deep-sea ichnofacies : Modern organism traces on and in pelagic carbonates of the Western Equatorial Pacific. *Palaeogeogr. Palaeoclim. Palaeoecol.* 23 : 263-78.
- ESPIE, F.F. 1971: The Bougainville copper project. *Proc. Australas. Inst. Min. Metall.* 238 : 1-10.
- EVERINGHAM, I.B. 1974: Large earthquakes in the New Guinea-Solomon Islands arc, 1873-1972. *Tectonophysics* 23 : 323-38.
- EVERINGHAM, I.B. 1977: Preliminary catalogue of tsunamis for the New Guinea/Solomon Islands region, 1968-1972. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 180 : 78 p + 7 maps.
- EVERINGHAM, I.B. 1980: Preliminary catalogue of tsunamis for the New Guinea/Solomon Islands region. *Proc. 8th Sess. CCOP/SOPAC* : 98-99.
- EVERINGHAM, I.B.; GAULL, B.A.; DENT, V. 1977: Effects of a major earthquake near Bougainville, 20 July 1975. *BMR JI Aust. Geol. Geophys.* 2(4) : 305-10.
- EVERINGHAM, I.B.; SHEARD, S.N. 1980: Seismicity of the New Guinea/Solomon Islands region, 1972. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 220 : 10.
- EWING, J.; EWING, M.; AITKEN, T.; LUDWIG, W.J. 1968: North Pacific sediment layers measured by seismic profiling. In Knopoff, L.; Drake, C.L.; Hart, P.J. (eds) "The Crust and Upper Mantle of the Pacific Area". *Geophys. Monogr.* 12 : 147-73.
- EWING, M.; KUD, J.; BRUNE, J.N. 1961: Surface wave studies of the Pacific Crust and Mantle. (Abstr.) *Proc. 10th Pacif. Sci. Congr., Honolulu* : 358.
- EWING, M.; PRESS, F. 1952: Crustal structure and surface wave dispersion. Part II: Solomon Islands earthquake of July 29, 1950. *Bull. seism. Soc. Am.* 42 : 315-25.
- EWING, M.; HOUTZ, R.; EWING, J. 1969: South Pacific sediment distribution. *J. geophys. Res.* 74(10) : 2477-93.
- EXON, N.F. 1981: Solomon Islands offshore survey : Cruise SI-81(2), 24 January-2 February 1981. *CCOP/SOPAC Cruise Proj. No. 51*.
- EXON, N.F.; TAYLOR, B. 1982: Ridge subduction in the Woodlark-Solomon region. *CCOP/SOPAC Cruise Rep. No. 70*.
- FALVEY, D.; TALWANI, M. 1970: Structure of Coral Sea region from marine gravity data. (Abstr.) *Geoexploration* 8 : 248-49.

- FINLAYSON, D.M. 1975: Crustal variations in the Solomon-Papua New Guinea region based on seismic investigations. (Abstr.) *Bull. Aust. Soc. explor. Geophys.* 6(2-3) : 61.
- FISHER, N.H. 1959: Report on the subcommittee on volcanology, 1954-56 – Australian National Committee on Geodesy and Geophysics. *Bull. volcan. Ser. II*, 21 : 153-61.
- FISHER, N.H. 1966: Metallogenic provinces in Papua New Guinea (Abstr.) *Proc. 11th Pacif. Sci. Congr., Tokyo* 4 : II/9.
- FISHER, R.L.; HESS, H.H. 1963: Trenches. Pp 411-36 in Hill, M.N. (ed.) "The Sea, Volume 3". Interscience Publishers, New York.
- FISHER, R.L.; VON HERZEN, R.P.; RHEA, K.P. 1967: Topographic heat flow studies in seven Micronesian and Melanesian trenches. (Abstr.) *EOS Trans. Am. geophys. Un.* 48 : 218.
- FOUNTAIN, R.J. 1972: Geological relationships in the Paguna porphyry copper deposit, Bougainville Island, New Guinea. *Econ. Geol.* 67(8) : 1049-64.
- FRYER, P. 1974: Petrology of some volcanic rocks from the northern Fiji Plateau. *Bull. geol. Soc. Am.* 85(11) : 1717-20.
- FURUMOTO, A.S. 1970: Geophysical investigations in the Southwest Pacific by the Hawaii Institute of Geophysics. (Abstr.) *Proc. 42nd ANZAAS Congr., Port Moresby, Sect. 3* : (no pagination)
- FURUMOTO, A.S.; HUSSONG, D.M.; CAMPBELL, J.F.; SUTTON, G.H. 1969: Seismic refraction survey in the Solomon Islands, 1966. (Abstr.) *Earthq. Notes* 40(2) : 9.
- FURUMOTO, A.S.; MAYNARD, G.L. 1977: Seismograph stations operated on several Pacific islands. (Abstr.) *Proc. 11th Pacif. Sci. Congr., Tokyo* 3 : III/34.
- FURUMOTO, A.S.; SUTTON, G.H.; ROSE, J.C. 1967: Results of the seismic refraction study in the Solomon Islands group. (Abstr.) *EOS Trans. Am. geophys. Un.* 48 : 217.
- FURUMOTO, A.S.; WEBB, J.P.; ODEGARD, M.E.; HUSSONG, D.M. 1976: Seismic studies on the Ontong Java Plateau, 1970. *Tectonophysics* 34(1) : 71-90.
- FURUMOTO, A.S.; WIEBENGA, W.A.; WEBB, J.P. 1971: Seismic refraction studies in Melanesia, an area of crustal convergence. (Abstr.) Pp 501-2 in Uda, M. (ed.) "The Ocean World". Proceedings of the Joint Oceanographic Assembly, Tokyo, 1970. IAASO-CMC-SCOR. Japanese Society for the Promotion of Science, Tokyo.
- FURUMOTO, A.S.; WIEBENGA, W.A.; WEBB, J.P.; SUTTON, G.H. 1973: Crustal structure of the Hawaiian archipelago, Northern Melanesia and the central Pacific Basin by seismic refraction methods. *Tectonophysics* 20(2) : 153-64.
- FURUMOTO, A.S.; WIEBENGA, W.A.; WEBB, J.P.; SUTTON, G.H. 1974: Crustal structure of the Hawaiian Archipelago, northern Melanesia and the central Pacific Basin by seismic refraction methods. In Muller, S. (ed.) "The Structure of the Earth's Crust based on Seismic Data". (Developments in Geotectonics, 8). Elsevier, Amsterdam.
- GASKELL, T.F.; HILL, M.N.; SWALLOW, J.C. 1958: Seismic measurements made by H.M.S. *Challenger* in the Atlantic, Pacific and Indian Oceans and in the Mediterranean Sea, 1950-53. *Phil. Trans. R. Soc., Ser. A* 251(988) : 23-83.
- GAUSS, G.A. 1982: San Jorge heavy mineral sand survey, Solomon Islands, Cruise SI-82(1), 9-29 July 1982. *CCOP/SOPAC Cruise Rep. No. 66*.
- GAYMAN, W. 1981: Solomon Islands offshore survey: Cruise SI-81(1), 7-21 January 1981. *CCOP/SOPAC Cruise Rep. No. 49*.
- GEOLOGICAL SURVEY DEPARTMENT, 1975: Bibliography of references to the geology and mineral resources of the Solomon Islands. In Kroenke, L.W.; Bardsley, E. (eds) "Bibliography of Geology and Geophysics of the South Pacific". *U.N. ESCAP, CCOP/SOPAC Tech. Bull. 1* : 1-10.
- GEZE, B. 1967: Observations tectoniques dans le Pacifique (Hawaii, Tahiti, Nouvelles-Hebrides). [Tectonic observations in the Pacific – Hawaii, Tahiti, New Hebrides.] *Bull. Soc. geol. Fr., Ser. 7*, 5(1) : 154-64.
- GILL, J.; COMPSTON, W. 1973: Strontium isotopes in island arc volcanic rocks. Pp 483-96 in Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- GILL, J.B.; JAKES, P. 1970: The significance of geochemical variations in some Melanesian island arcs. (Abstr.) *Proc. 42nd ANZAAS Congr., Port Moreby, Sect. 3* : (no pagination)

- GIRDLER, R.W. 1968: Statistical analyses of terrestrial heat flow and seismicity of the Pacific Ocean. In Knopoff, L.; Drake, C.L.; Hart, P.J. (eds) "The Crust and Upper Mantle of the Pacific Area". *Geophys. Monogr.* 12 : 35-39.
- GLADWIN, M.T. 1979: An earthquake prediction programme in a region of high seismicity. (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys.* : paper 6/2.
- GLAESER, J.D. 1978: Global distribution of barrier islands in terms of tectonic setting. *J. Geol.* 86(3) : 283-97.
- GLOVER, D.P. 1977: Directory of seismograph stations (participating in international seismogram exchange through World Data Centres). *Rep. Wld Data Cent., A Solid Earth Geophys. SE-7* : 143 p.
- GORBUNOVA, Z.N. 1966: Clay mineral in the sediments of the Pacific Ocean. (Abstr.) *Proc. 11th Pacif. Sci. Congr., Tokyo 2* : IX 84-85.
- GRIGG, R.W. 1980: Analysis of CCOP/SOPAC precious coral samples. *CCOP/SOPAC Tech. Rep. No. 10*.
- GRIGG, R.W. 1981: Species identification and assessment of CCOP/SOPAC precious coral collections 1980-81. *CCOP/SOPAC Tech. Rep. No. 14*.
- GRINDLEY, G.W.; NAIRN, I.D. 1974: Geothermal investigations in Fiji, New Hebrides and the British Solomon Islands. *Rep. N.Z. geol. Surv.* (Unpubl.)
- GRIFFITHS, G.H. 1974: Guadalcanal. Pp 32-38 in Taylor, G.F. "Porphyry Copper Deposits of the Southwest Pacific". Geological Society of Australia, Sydney.
- GRIFFITHS, J.R. 1971: Reconstruction of the Southwest Pacific margin of Gondwanaland. *Nature, Lond.* 234 : 203-7.
- GROSS, M.G. 1972: "Oceanography - View of the Earth". Prentice Hall, New Jersey, 581 p.
- GROVER, J.C. 1955: A concise history of the search for gold in the Solomons. *Trans. Br. Solomon Isl. Soc.* 2 : (no pagination), 11 p.
- GROVER, J.C. 1956: Presidential address. *Trans. Br. Solomon Isl. Soc.* 3 : (no pagination), 9 p.
- GROVER, J.C. 1956: Solomon Islands. In Healy, J. "Report of the Standing Committee on Volcanology". *Proc. 8th Pacif. Sci. Congr., Philippines 2* : 50.
- GROVER, J.C. 1963: A brief history of geological and geophysical investigations in the British Solomon Islands, 1891-1961. In MacDonald, G.A. (ed.) "Geology and Solid Earth Geophysics of the Pacific Basin". *Proc. 10th Pacif. Sci. Congr., Honolulu* : 171-80.
- GROVER, J.C. 1964: The role of geological surveys in the British Solomon Islands Protectorate. *S. Pacif. Bull (Jan. 1964)* : 4 p.
- GROVER, J.C. 1965: Geology and geophysics, British Solomon Islands. (Abstr.) *Proc. 38th ANZAAS Congr., Hobart, Sect. C* : (no pagination)
- GROVER, J.C. 1965: British Solomon Islands : Progress in geological and geophysical exploration. (Abstr.) *Proc. 38th ANZAAS Congr., Hobart, Sect. C* : (no pagination)
- GROVER, J.C. 1966: Storm surge effects in the Solomon Islands. (Abstr.) *Proc. 11th Pacif. Sci. Congr., Tokyo 2* : IV/12.
- GROVER, J.C. 1966: Earthquake sequence patterns in the Solomon Islands, and implications of convergence effects for the prediction of greater earthquakes in 1967. (Abstr.) *Proc. 11th Pacif. Sci. Congr., Tokyo 3* : IV/23.
- GROVER, J.C. 1966: The British Solomon Islands - the present geological picture as a result of sixteen years of geological and geophysical exploration. (Abstr.) *Proc. 11th Pacif. Sci. Congr., Tokyo 4* : V/25.
- GROVER, J.C. 1966: Gravity surveys in the British Solomon Islands - a narrative. In Poole, W.H. (ed.) "Continental Margins and Island Arcs". Report of a Symposium, Ottawa, Canada. *Geol. Surv. Pap. Can.* 66-15 : 257-77.
- GROVER, J.C. 1967: Tinakula volcano. In Morimoti, R. (ed.) "Annual Report of the World Volcanic Eruptions in 1967". *Bull. volc. Eruptions* 7 : 4-6.
- GROVER, J.C. 1967: The unnamed submarine volcano south of Vagunu (Vagunu) Island. In Morimoti, R. (ed.) "Annual Report of the World Volcanic Eruptions in 1967". *Bull. volc. Eruptions* 7 : 6-7.
- GROVER, J.C. 1967: Cook submarine volcano. In Morimoti, R. (ed.) "Annual Report of the World Volcanic Eruptions in 1967". *Bull. volc. Eruptions* 7 : 7.



- GROVER, J.C. 1967: Forecastings of earthquakes – Correlation between deep foci and shallow events in Melanesia. *Nature, Lond.* 213 (5077) : 686–87.
- GROVER, J.C.; LAUDON, T.S. 1966: Gravity maps of geology of the individual Solomon Islands and situation report on the surveys of the surrounding seas. (Abstr.) *Proc. 11th Pacif. Sci. Congr., Tokyo* 3 : 1/20.
- GROVER, J.C. *et al.* 1960: The British Solomon Islands Geological Record 1957–1958. Reports on Investigations into the Geology and Mineral Resources of the Protectorate. Vol. I. *Rep. Br. Solomon Isl. geol. Surv.* : 113 p.
- GROVER, J.C. *et al.* 1965: The British Solomon Islands Geological Record 1959–1962. Reports on Investigations into the Geology and Mineral Resources of the Protectorate. Vol II. *Rep. Br. Solomon Isl. geol. Surv.* : 232 p.
- GROVER, J.C. *et al.* 1967: General geology of the British Solomon Islands, with special reference to the data available from the 1963 land gravity survey. (Abstr.) *N.Z. Jl Geol. Geophys.* 10(5) : 1190–91.
- GROVER, J.C. *et al.* 1968: The British Solomon Islands Geological Record 1963–1967. Reports on Investigations into the Geology and Mineral Resources of the Protectorate. Vol. III. *Rep. Br. Solomon Isl. geol. Surv.* : 139 p.
- GROVER, J.C. 1974: Some major factors of porphyry copper genesis. *Econ. Geol.* 73(5) : 600–7.
- GROVER, J.C. 1974: Background to present mineral search in British Solomon Islands and Fiji. (Abstr.) *Bull. Am. Ass. Petrol. Geol.* 58(7) : 1438.
- GUSTAFSON, L.B.; TITLEY, S.R. 1978: Porphyry copper deposits of the south-western Pacific islands and Australia : Preface. *Econ. Geol.* 73(5) : 597–99.
- GUTENBERG, B.; RICHTER, C.F. 1949: "Seismicity of the Earth". Princeton University Press, Princeton, N.J. 273 p.
- GUTENBERG, B.; RICHTER, C.F. 1954: "Seismicity of the Earth and Associated Phenomena". Second Edition. Princeton University Press, Princeton, N.J. 310 p.
- HABERMAN, R.E. 1981: Precursory seismicity patterns : Stalking the mature seismic gap. Pp 29–42 in Simpson, D. W.; Richards, P.G. (eds) "Earthquake Prediction : an International Review". Maurice Ewing Series 4. American Geophysical Union, Washington.
- HACKMAN, B.D. 1966: The geology of central and eastern Guadalcanal, British Solomon Islands Protectorate. (Abstr.) *Proc. 11th Pacif. Sci. Congr., Tokyo* 4 : V/31.
- HACKMAN, B.D. 1967: Geology of central and eastern Guadalcanal. (Abstr.) *N.Z. Jl Geol. Geophys.* 10(5) : 1190–91.  
also in : "Proceedings and Abstracts. Southwest Pacific Geological Survey Conference, Fiji, 1966". *Fiji geol. Surv. Occ. Pap.* 2.
- HACKMAN, B.D. 1971: The regional geology of Guadalcanal – a contribution to the geology of fractured island arcs. Unpubl. Ph.D. thesis, University of Western Australia.
- HACKMAN, B.D. 1971: The Solomons fractured arc. (Abstr.) *Proc. 12th Pacif. Sci. Congr., Canberra* : 366.
- HACKMAN, B.D. 1973: The Solomon Islands fractured arc. Pp 179–91 in Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- HACKMAN, B.D. 1971: Veuru Moli : Guadalcanal Geological Map, Sheet GU18, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- HACKMAN, B.D. 1973: Kopiu Bay : Guadalcanal Geological Map, Sheet GU19, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- HACKMAN, B.D. 1974: Aola : Guadalcanal Geological Map, Sheet GU10, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- HACKMAN, B.D. 1974: Rere : Guadalcanal Geological Map, Sheet GU11, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.

- HACKMAN, B.D. 1974: Talese-Chimiu : Guadalcanal Geological Map, Sheet GU14, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- HACKMAN, B.D. 1974: Valasi-Tetekanji : Guadalcanal Geological Map, Sheet GU15, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- HACKMAN, B.D. 1978: Honiara : Guadalcanal Geological Map, Sheet GU4, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- HACKMAN, B.D. 1978: Geological Map of Guadalcanal, Solomon Islands, 1:150,000. Institute of Geological Sciences (N.E.R.C.), London. D.O.S. 1213 (Ordinance Survey 78/7715835).
- HACKMAN, B.D. 1979: The geology of the Honiara area. *Bull. Solomon Isl. geol. Surv.* 3 : 46 p.
- HACKMAN, B.D. 1980: The geology of Guadalcanal, Solomon Islands. *Overseas Mem. Inst. Geol. Sci.* 6 : 115 p.
- HACKMAN, B.D. (comp.) 1980: Tiaro Bay : Guadalcanal Geological Map, Sheet GU3, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- HACKMAN, B.D.; THOMPSON, R.B. 1974: Marau : Guadalcanal Geological Map, Sheet GU16, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- HACKMAN, B.D.; WRIGHT, P.C. 1979: Gold Ridge : Guadalcanal Geological Map, Sheet GU9, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- HALADA, R.S. 1978: A seismic study of the crustal structure of the Ontong Java Plateau and Nauru Basin. Unpubl. M.Sc. thesis, University of Hawaii, Honolulu.
- HALUNEN, A.J. 1973: Heat flow in the western equatorial Pacific Ocean. *J. geophys. Res.* 78(23) : 387-400.
- HALUNEN, A.J. 1978: Mineral resources in Southwest Pacific. (Abstr.) *Bull. Am. Ass. Petrol. Geol.* 62(7) : 1219.
- HALUNEN, A.J. 1979: Cruise report : SI-79(1), Solomon Islands seismic reflection survey, 27 January-23 February 1979. *CCOP/SOPAC Cruise Rep.* 23 : 4 p.
- HALUNEN, A.J.; VON HERZON, R.P. 1973: Heat flow in the western equatorial Pacific Ocean. *J. geophys. Res.* 78(23) : 5195-208.
- HAMILTON, W. 1979: Plate motions in Western Melanesia and Eastern Indonesia. (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys.* : 5/2.
- HAMMOND, S.R.; KROENKE, L.W.; THEYER, F. 1974: Latitudinal displacement of the Ontong Java Plateau between 30 and 100 m.y. B.P. (Abstr.) *Abstr. Prog. geol. Soc. Am.* 6(7) : 774-75.
- HAMMOND, S.R.; KROENKE, L.W.; THEYER, F. 1975: Northward motion of the Ontong Java Plateau between -100 and -30 m.y. : A paleomagnetic investigation of DSDP site 289. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 415-18.
- HAMMOND, S.R.; KROENKE, L.W.; THEYER, F.T.; KEELING, D.L. 1975: Late Cretaceous and Palaeogene palaeolatitudes of the Ontong Java Plateau. *Nature, Lond.* 255(5503) : 46-47.
- HAMMOND, S.R.; THEYER, F. 1973: Paleomagnetic study of western equatorial Pacific sediment cores. (Abstr.) *EOS Trans. Am. geophys. Un.* 54(4) : 255.
- HAMMOND, J.R.F.; WALL, J.R.D. 1974-76: "The Land Resources of the Solomon Islands, Volume 1-8". Land Resources Division of the Ministry of Overseas Development, Surbiton, Surrey. (Land Resource Study 18.)
- HANSELL, J.R.F.; WALL, J.R.D. 1974: "The British Solomon Islands Protectorate : Volume 2 - Guadalcanal and the Florida Islands". Land Resources Division of the Ministry of Overseas Development, Surbiton, Surrey. Pt 1, 221 p; Pt 2, 8 maps.

- HANSELL, J.R.F.; WALL, J.R.D. 1975: "Land Resources of the Solomon Islands : Volume 7 - San Cristobal and Adjacent Islands". Land Resources Division of the Ministry of Overseas Development, Surbiton, Surrey. Pt 1, 128 p; Pt 2, 8 maps.
- HANSELL, J.R.F.; WALL, J.R.D. 1976: "The Land Resources of the Solomon Islands : Volume 1 - Introduction and Recommendations". Land Resources Division of the Ministry of Overseas Development, Surbiton, Surrey. 152 p.
- HANSELL, J.R.F.; WALL, J.R.D. 1976: "The Land Resources of the Solomon Islands : Volume 5 - Santa Isabel". Land Resources Division of the Ministry of Overseas Development, Surbiton, Surrey. Pt 1, 168 p; Pt 2, 8 maps.
- HAWKINS, J.W. 1977: Petrologic and geochemical characteristics of marginal basin basalts. Pp 355-65 in Talwani, M.; Pitman, W.C. (eds) "Island Arcs, Deep Sea Trenches, and Back-arc Basins". Maurice Ewing Series I. American Geophysical Union, Washington. 470 p.
- HAYES, D.E.; EWING, M. 1970: Pacific boundary structures. Pp 29-72 in Maxwell, A.E. (ed.) "The Sea, Volume 4 - New concepts of sea floor evolution : Part II - Regional observations, concepts". Wiley, New York.
- HEALY, J. 1961: Report of the chairman of the Standing Committee on Pacific Geology and Geophysics. *Proc. 9th Pacif. Sci. Congr., Thailand 12* : 1-25.
- HECK, N.H. 1947: List of seismic sea waves. *Bull. seism. Soc. Am.* 37(4) : 269-86.
- HEDERVARI, P. 1963: Investigations regarding the Earth's seismicity. Part 1 - The Seismical Great Circle of the Earth. *Beitr. Geophys.* 72 : 352-70.
- HEDERVARI, P. 1964: Investigations regarding the Earth's seismicity. Part 2 - The Circumpacific, Indonesian and Eurasian Earthquake Belts. *Beitr. Geophys.* 73 : 219-34.
- HEDERVARI, P. 1967: Investigations regarding the Earth's seismicity. Part 5 - On the earthquake geography of the Pacific Basin and the seismotectonical importance of the Andesite line. Section 1 : General survey. *Beitr. Geophys.* 76 : 393-405.
- HEDERVARI, P. 1967: Investigations regarding the Earth's seismicity. Part 5 - On the earthquake geography of the Pacific Basin and the seismotectonical importance of the Andesite line. Section 2 : The Andesite Line in detail and its physical nature. *Beitr. Geophys.* 76 : 467-90.
- HEDERVARI, P. 1972: Ocean-floor spreading and the Andesite Line. *Beitr. Geophys.* 81(1-2) : 83-86.
- HEDERVARI, P.; PAPP, Z. 1977: Seismicity maps of the New Guinea-Solomon Islands region. *Tectonophysics* 42 : 261-81.
- HEEZEN, B.C.; FORNARI, D.J. 1975: Geological map of the Pacific Ocean, 1:35,000,000. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office).
- HILDE, T.W.C.; UYEDA, S.; KROENKE, L.W. 1976: Evolution of the western Pacific and its margin. *U.N. ESCAP CCOP Tech. Bull.* 10 : 1-10.
- HILDE, T.W.C.; UYEDA, S.; KROENKE, L.W. 1977: Evolution of the western Pacific and its margin. *Tectonophysics* 38(1-2) : 145-65.
- HOHNEN, P.; RICHMOND, R.N. 1980: National development policies and legal framework for petroleum exploration in the Southwest Pacific. In "Symposium on Petroleum Potential in Island Arcs, Small Ocean Basins, Submerged Margins and Related Areas", Suva, Fiji, September 1979. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 3 : 15-23.
- HOLDWORTH, B.K.; HARKER, B.M. 1975: Possible indicators of degree of Radiolaria dissolution in calcareous sediments of the Ontong Java Plateau. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 489-99.
- HUGHES, G.W. 1972: Tinakula volcanic eruption, Santa Cruz Island Group, S.E. Solomon Sea, 5 September-22 November 1971. *Rep. Rev. Events Smithson. Instn Cent. short-lived Phenom.* 1971 : 115-17.
- HUGHES, G.W. 1972: The volcanic island of Tinakula, historic and present-day activity. *J. Solomon Isl. Mus. Ass.* 1 : 13-20.
- HUGHES, G.W. 1975: Duff Islands (Tikopia and Anuta Islands) : Duff Islands Geological Map, Sheet E.O.I. 4, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.

- HUGHES, G.W. 1975: Dorio : Malaita Geological Map, Sheet ML11, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- HUGHES, G.W. 1975: North "Are'Are" : Malaita Geological Map, Sheet ML12, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- HUGHES, G.W. 1977: The geology and foraminiferal micropaleontology of the Lungga and Itina areas, western Guadalcanal, Solomon Islands. Unpubl. Ph.D. thesis, University College of Wales, Aberystwyth.
- HUGHES, G.W. 1977: Recent Foraminifera from the Honiara Bay area, Solomon Islands. *J. foram. Res.* 7(1) : 45-57.
- HUGHES, G.W. 1978: General progress in biostratigraphy of the Solomon Islands. *U.N. ESCAP Stratigr. Newsl.* 3 : 3.
- HUGHES, G.W. 1978: The relationship between volcanic island genesis and the Indo-Australian Pacific plate margins in the Eastern Outer Islands, Solomon Islands, Southwest Pacific. *J. phys. Earth 26, Suppl.* : S123-38.
- HUGHES, G.W. 1978: Planktonic foraminiferal biostratigraphic datum planes for Plio-Pleistocene sedimentary rocks from the Solomon Islands. (Abstr.) In Ikebe, N. et al. "Correlation of Tropical through High Latitude Marine Neogene Deposits of the Pacific Basin". I.G.C.P. Proj. 114 (Biostratigraphic Datum-Planes of the Pacific Neogene). *Abstr. Prog. 3rd Wking Group Mtg, I.G.C.P. Proj. 114* : 19-20.
- HUGHES, G.W. 1978: Planktonic foraminiferal biostratigraphic datum planes for Plio-Pleistocene sedimentary rocks from the Solomon Islands. *Stanford Univ. Publs geol. Sci.* 14 : 19-20.
- HUGHES, G.W. 1979: Aspects of the southwestern margin of the Pacific plate in the Solomon Islands. (Abstr.) In Uyeda, S.; Murphy, R.W.; Kobayashi, K. (eds) "Geodynamics of the Western Pacific - Indonesian Region, March 1978, Tokyo. *Adv. Earth Planet. Sci.* 6 : 58.
- HUGHES, G.W. 1979: The relationship between volcanic island genesis and the Indo-Australian and Pacific plate margins in the Eastern Outer Islands, Solomon Islands, Southwest Pacific. In Uyeda, S.; Murphy, R.W.; Kobayashi, K. (eds) "Geodynamics of the Western Pacific". Proceedings of the International Conference on Geodynamics of the Western Pacific - Indonesian Region, March 1978: Tokyo. *Adv. Earth Planet. Sci.* 6 : 123-38.
- HUGHES, G.W. 1978: Reef Islands : Reef Islands Geological Map, Sheet E.O.I. 3, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- HUGHES, G.W. 1979: Ririo : Choiseul Geological Map, Sheet CH.4, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- HUGHES, G.W. 1979: Panggoe : Choiseul Geological Map, Sheet CH.7, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- HUGHES, G.W. 1980: Oaka and Siruka Bay : Choiseul Geological Map, Sheet CH.10, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- HUGHES, G.W. 1980: Sedimentary basins of the Solomon Islands region - their extent, biostratigraphic correlation and revised Pliocene zonation. *Solomon Isl. geol. Surv. internal Rep.* 80/5.
- HUGHES, G.W. 1981: The Duff Islands. In Hughes, G.W.; Craig, P.M.; Dennis, R.A. "Geology of the Eastern Outer Islands". *Bull. Solomon Isl. geol. Surv.* 4 : 1-16.
- HUGHES, G.W. 1981: The Reef Islands. In Hughes, G.W.; Craig, P.M.; Dennis, R.A. "Geology of the Eastern Outer Islands". *Bull. Solomon Isl. geol. Surv.* 4 : 17-24.
- HUGHES, G.W. 1981: Tinakula volcano. In Hughes, G.W.; Craig, P.M.; Dennis, R.A. "Geology of the Eastern Outer Islands". *Bull. Solomon Isl. geol. Surv.* 4 : 25-33.

- HUGHES, G.W. 1981: Tikopia. In Hughes, G.W.; Craig, P.M.; Dennis, R.A. "Geology of the Eastern Outer Islands". *Bull. Solomon Isl. geol. Surv.* 4 : 75-82.
- HUGHES, G.W. 1981: Anuta and Fatutaka. In Hughes, G.W.; Craig, P.M.; Dennis, R.A. "Geology of the Eastern Outer Islands". *Bull. Solomon Isl. geol. Surv.* 4 : 17-24.
- HUGHES, G.W. 1981: Petrochemistry of the igneous rocks. In Hughes, G.W.; Craig, P.M.; Dennis, R.A. "Geology of the Eastern Outer Islands". *Bull. Solomon Isl. geol. Surv.* 4 : 91-108.
- HUGHES, G.W. 1981: The geology of the Panggoe area, Choiseul. British Technical Co-operation. *Western Solomons Mapping Proj. Rep. No. 7* : 50 p.
- HUGHES, G.W. 1981: Catalogue of age determinations of Solomon Island rocks. *Solomon Isl. geol. Surv. internal Rep.* 81/3.
- HUGHES, G.W.; CRAIG, P.M.; DENNIS, R.A. 1981: Geology of the Eastern Outer Islands. *Bull. Solomon Isl. geol. Surv.* 4 : 108 p.
- HUGHES, G.W.; RIDGWAY, J. 1980: New evidence bearing on the tectonic evolution of the Solomon Islands. (Abstr.) In "Second International Workshop on Geology, Mineral Resources and Geophysics of the South Pacific", New Caledonia, October 1980. CCOP/SOPAC-IOC/WESTPAC.
- HUGHES, G.W.; TURNER, C.C. 1976: Geology of Southern Malaita. *Bull. Solomon Isl. geol. Surv.* 2 : 80 p + 3 maps.
- HUGHES, G.W.; TURNER, C.C. 1977: Upraised Pacific Ocean floor, southern Malaita, Solomon Islands. *Bull. geol. Soc. Am.* 88(3) : 412-24.
- HUSSONG, D.M.; WIPPERMAN, L.K.; KROENKE, L.W. 1979: The crustal structure of the Ontong Java and Manihiki oceanic plateaus. *J. geophys. Res.* 84(B11) : 6003-10.
- IIDA, K.; COX, D.C.; PARARAS-CARYANNIS, G. 1967: Catalogue of tsunamis occurring in the Pacific Ocean. *Hawaii Inst. Geophys. Data Rep.* 5 : 256 p. (H.I.G. Tech. Rep. HIG-67-10.)
- IIDA, K.; COX, D.C.; PARARAS-CARYANNIS, G. 1967: Bibliography to the preliminary catalog of tsunamis occurring in the Pacific Ocean. *Hawaii Inst. Geophys. Data Rep.* 6 : 27 p. (H.I.G. Tech. Rep. HIG-67-25.)
- IKEBE, N.; CHIJI, M. 1978: Evaluation of some important datum-planes of the Pacific Neogene. (Abstr.) In Ikebe, N. *et al.* "Correlation of Tropical through High Latitude Marine Neogene Deposits of the Pacific Basin". I.G.C.P. Proj. 114 (Biostratigraphic Datum-Planes of the Pacific Neogene). *Abstr. Progr. 3rd Wking Group Mtg, I.G.C.P. Proj. 114* : 21.
- INTERNATIONAL SEISMOLOGICAL CENTRE, Edinburgh: "Regional Catalogue of Earthquakes" -
- |                          |                |        |
|--------------------------|----------------|--------|
| 1967 Vol.1. No.1 : 1964  | January-June.  | 219 p. |
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1980 Vol.14. No.2 : 1977 July-December.	261 p.
1980 Vol.15. No.1 : 1978 January-June	244 p.
1981 Vol.15. No.2 : 1978 July-December.	240 p.
1981 Vol.16. No.1 : 1979 January-June	247 p.

- INTERNATIONAL SEISMOLOGICAL CENTRE, 1979: "Felt and Damaging Earthquakes". No. 1, 1976. I.S.C., Edinburgh. 49 p.
- INTERNATIONAL SEISMOLOGICAL CENTRE, 1980: "Felt and Damaging Earthquakes". 1977. I.S.C., Edinburgh. 43 p.
- INTERNATIONAL SEISMOLOGICAL CENTRE, 1981: "Felt and Damaging Earthquakes". 1978. I.S.C., Edinburgh. 55 p.
- IONIN, A.S.; MEDVEDEV, V.S. 1980: [Characteristics of the formation and development of reef-type structures in the western group of Melanesia.] In Ponomareva, L.A. "Biological and Geological Research on the Island Regions of the Western Part of the Pacific Ocean". *Trudy Inst. Okeanol.* 90 : 77-116.
- ISACKS, B.; MOLNAR, P. 1971: Distribution of stresses in the descending lithosphere from a global survey of focal-mechanism solutions of mantle earthquakes. *Rev. Geophys. Space Phys.* 9(1) : 103-74.
- JAKES, P.; GILL, J.P. 1970: Rare earth elements and the island arc tholeiitic series. *Earth Planet. Sci. Lett.* 9 : 17-28.
- JAKES, P.; WHITE, A.J.R. 1970: K/Rb ratios of rocks from island arcs. *Geochem. cosmochim. Acta* 34 : 849-56.
- JAKES, P.; WHITE, A.J.R. 1972: Hornblendes from calc-alkaline volcanic rocks of volcanic arcs and continental margins. *Am. Miner.* 57 : 887-902.
- JAKES, P.; WHITE, A.J.R. 1972: Major and trace element abundances in volcanic rocks of orogenic areas. *Bull. geol. Soc. Am.* 83(1) : 29-40.
- JEFFREY, D.H. (comp.) 1975: Arosi : San Cristobal Geological Map, Sheet SC1, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of National Resources, Honiara.
- JEFFREY, D.H. (comp.) 1975: Arosi-West Bauro : San Cristobal Geological Map, Sheet SC2, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- JEZEK, P.; BRYAN, W.B. 1972: The geology and petrography of Mitre Island, North Fiji Plateau. (Abstr.) *EOS Trans. Am. geophys. Un.* 53(4) : 546.
- JEZEK, P.A.; BRYAN, W.B.; HAGGERTY, S.E.; JOHNSON, H.P. 1977: Petrography, petrology and tectonic implications of Mitre Island, northern Fiji Plateau. *Mar. Geol.* 24 : 123-48.
- JOHNSON, C.E.; RICHTER, F.M. 1979: Stereoviews of seismicity associated with subduction zone. *J. Geol.* 87 : 467-74.
- JOHNSON, G.L.; EGLOFF, J.; HEMLER, G. 1974: Geophysical observations between Hawaii and Australia. *Pacif. Sci.* 28(2) : 191-205.
- JOHNSON, T.; MOLNAR, P. 1971: Focal mechanisms and tectonics of New Guinea-New Hebrides region (Abstr.) *EOS Trans. Am. geophys. Un.* 52(4) : 279.
- JOHNSON, T.; MOLNAR, P. 1972: Focal mechanisms and tectonics of the Southwest Pacific. *J. geophys. Res.* 77(26) : 500-32.
- JOHNSON, T.C.; HAMILTON, E.L.; BERGER, W.H. 1977: Physical properties of calcareous ooze : Controlled by dissolution at depth. *Mar. Geol.* 24(4) : 259-77.
- JOHNSON, T.C.; HAMILTON, BACHMAN, R.T.; BERGER, W.H. 1978: Sound velocities in calcareous oozes and chalks from sonobuoy data : Ontong Java Plateau, western equatorial Pacific. *J. geophys. Res.* 83(1) : 283-88.

- JONES, O.A. 1977: Some notes on the coral reefs of the Solomon Islands together with reference to New Guinea. Pp 201-3 in Jones, O.A.; Eudean, R. (eds) "Biology and Geology of Coral Reefs. Volume 4 : Geology 2". Academic Press, New York.
- KAILA, K.L.; KRISHNA, V.G. 1978: Upper mantle velocity structure in the New Hebrides island arc region. *J. Phys. Earth 26, Suppl.* : 5139-53.
- KAILA, K.L.; KRISHNA, V.G. 1979: Upper mantle velocity structure in the New Hebrides island arc region. In Uyeda, S.; Murphy, R.W.; Kobayashi, K. (eds) "Geodynamics of the Western Pacific". Proceedings of the International Conference on Geodynamics of the Western Pacific-Indonesian Region, March 1978, Tokyo. *Adv. Earth Planet. Sci.* 6 : 139-53.
- KALUGIN, A.S. 1973: [New data on origin of karst geosynclinal-type bauxites.] *Dokl. Akad. Nauk SSSR 211(6)* : 1440-43.
- KALUGIN, A.S. 1974: New data on the origin of bauxite of the karst geosynclinal type. *Dokl. Acad. Sci. USSR, Earth Sci. Sect.* 211(1-6) : 205-8.
- KARIG, D.E. 1971: Remnant arcs and the over thrusting of oceanic crust. (Abstr.) *EOS Trans. Am. geophys. Un.* 52(4) : 262.
- KARIG, D.E. 1971: Comparison between arc systems of the Northwest and Southwest Pacific (Abstr.) *Proc. 12th Pacif. Sci. Congr., Canberra* : 386.
- KARIG, D.E. 1971: Comparison of marginal basins of the Northwest and Southwest Pacific. (Abstr.) *Proc. 12th Pacif. Sci. Congr., Canberra* : 392.
- KARIG, D.E. 1972: Remnant arcs. *Bull. geol. Soc. Am.* 83(4) : 1057-67.
- KARIG, D.E. 1973: Comparison of island arc-marginal basin complexes in the Northwest and Southwest Pacific. Pp 355-66 in Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- KARIG, D.E. 1974: Remnant arcs : Reply. *Bull. geol. Soc. Am.* 85(9) : 1493-97.
- KARIG, D.E.; MAMMERICKX, J. 1972: Tectonic framework of the New Hebrides island arc. *Mar. Geol.* 12 : 187-205.
- KATZ, H.R. 1979: The assessment of petroleum potential in the offshore areas of the Solomon Islands. *CCOP/SOPAC Tech. Rep. No. 7*.
- KATZ, H.R. 1980: Basin development in the Solomon Islands and their petroleum potential. In "Symposium on Petroleum Potential in Island Arcs, Small Ocean Basins, Submerged Margins and Related Areas", Suva, Fiji, September 1979. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 3 : 59-75.
- KATZ, H.R. 1982: Mineral resources and maps of New Zealand, the New Hebrides, and the Solomons. *Progm. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 32.  
also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 972.
- KATZ, H.R. 1982: Southwest Pacific island arcs; sedimentary basins and petroleum prospects in New Hebrides and Solomons. *Progm. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 32.  
also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 972.
- KHAN, M.A.; WOOLLARD, G.C. 1968: Methods of analysis and comparison of geophysical data on a plane, with special application to the Solomon Islands area. *Hawaii Inst. Geophys. Tech. Rep. H.I.G.-68-17* : 79 p.
- KLEIN, G.deV. 1975: Resedimented pelagic carbonate and volcanoclastic sediments and sedimentary structures in Leg 30 DSDP cores from the western Equatorial Pacific. *Geology* 3 : 39-42.
- KLEIN, G.deV. 1977: Subaqueous gravity flow sedimentation in the marginal basins of the western Pacific. (Abstr.) *Abstr. Progm. geol. Soc. Am.* 9(7) : 1052.
- KNIGHT, C.L.; FRASER, R.B.; BAUMER, A. 1973: Geology of the Bougainville copper orebody, New Guinea. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 114 : 123-33.
- KRASNYA, L.I. 1975: The system of blocks generated by crustal disintegration in eastern Asia and the Western Pacific. *Dokl. Acad. Sci. USSR, Earth Sci. Sect.* 214(1-6) : 64-66.
- KRAUSE, D.C. 1972: Triple-junction analyses and model studies of crustal plates in the Bismarck and Solomon Seas. (Abstr.) *EOS Trans. Am. geophys. Un.* 53(4) : 412.

- KRAUSE, D.C. 1973: Crustal plates of the Bismarck and Solomon Seas. Pp 271-80 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- KRAUSS, N.L.H. 1969: Bibliography of the Santa Cruz Islands, western Pacific. Krauss, 2437 Parker Place, Honolulu. 8 p.
- KREBS, W. 1975: Formation of Southwest Pacific island arc-trench and mountain systems : Plate or global-vertical tectonics. *Bull. Am. Ass. Petrol. Geol.* 59(9) : 1639-66.
- KROENKE, L.W. 1972: A possible occurrence of extensive flood basalts within the ocean basins. *Abstr. Progr. geol. Soc. Am.* 4(3) : 185-86.
- KROENKE, L.W. 1980: Tectonic development of oceanic plateaus. (Abstr.) In "Second International Workshop on Geology, Mineral Resources and Geophysics of the South Pacific", New Caledonia, October 1980. CCOP/SOPAC-IOC/WESTPAC.
- KROENKE, L.W. 1982: Report of the third leg of the joint CCOP/SOPAC-Australia, New Zealand, U.S. cruise of the R/V *S.P. Lee*, Solomon Islands. *CCOP/SOPAC Rep.* : 8 p.
- KROPOTKIN, P.N.; SHAKHVARSTOVA, K.A. 1965: [Geology of the Pacific Ocean mobile belt.] *Trudy geol. Inst., Moskva* 134 : 1-366.
- KUNO, H. 1967: Report of the Standing Committee on Geology and Geophysics. *Proc. 11th Pacif. Sci. Congr., Tokyo* 14 : 351-53.
- KYNE, R.F. 1974: Bougainville copper : Development of a major open pit complex. *J. Mines Metals Fuels* 22(10) : 285-97.
- LANDMESSER, C.W. 1974: Submarine geology of the eastern Coral Sea basin. Unpubl. M.Sc. thesis, University of Hawaii, Honolulu. 64 p.
- LANDMESSER, C.W. 1977: Evaluation of potential hydrocarbon occurrence in the Solomon Islands. *S. Pacif. mar. geol. Notes* 1(5) : 47-53.
- LANDMESSER, C.W.; ANDREWS, J.E.; PACKHAM, G.H. 1975: Aspects of the geology of the eastern Coral Sea and the western New Hebrides Basin. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 647-62.
- LANDS AND SURVEY DEPARTMENT, New Zealand 1978: Papua New Guinea. Pp 1-2, pl.1, In "Atlas of the South Pacific". Government Printer, Wellington.
- LARUE, B.M.; DANIEL, J.; JOUANNIC, C.; RECY, J. 1977: The South Rennell Trough : Evidence for a fossil spreading zone. Pp 51-61 in International Symposium on "Geodynamics of the Southwest Pacific". New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- LARUE, B.; DANIEL, J.; RECY, J.; DUBOIS, J. 1975: De l'existence d'une zone d'expansion fossil dans l'Est de la mer de Corail (Sud-Ouest Pacifique). [On the existence of a fossil extension zone in the eastern Coral Sea (Southwest Pacific).] *C. r. hebd. Seanc. Acad. Sci., Paris, ser. D* 281 : 1455-58.
- LATTER, J.H. 1968: Active volcanoes and fumarole field of the world on punched cards (with their eruptions since January 1963). *Bull. volcan.* 33 : 299-300.
- LATTER, J.H. 1971: The interdependence of seismic and volcanic phenomena : Some space-time relationships in seismicity and volcanism. *Bull. volcan.* 35 : 127-42.
- LAUDON, T.S. 1966: Land gravity survey of the Solomon Islands. (Abstr.) *Proc. 11th Pacif. Sci. Congr., Tokyo* 3 : III/5.
- LAWRENCE, L.J.; SAVAGE, E.N. 1975: Mineralogy of the titaniferous porphyry copper deposits of Melanesia. *Proc. Australas. Inst. Min. Metall.* 256 : 1-4.
- LAY, T.; KANAMORI, H. 1978: Earthquake doublets in the Solomon Islands. (Abstr.) *EOS Trans. Am. geophys. Un.* 59(12) : 1125.
- LAY, T.; KANAMORI, H. 1980: Earthquake doublets in the Solomon Islands. *Phys. Earth Planet. Interiors* 21 : 283-304.
- LEE, A.I.N. (ed.) 1980: "Fertilizer Mineral Occurrences in the Asia-Pacific Region". East-West Resources Systems Institute, East West Center, Hawaii. 156 p.
- LEE, W.H.K. 1970: On the global variations of terrestrial heat flow. *Phys. Earth Planet. Interiors* 2 : 332-41.
- LEE, W.H.K.; MACDONALD, G.J.K. 1963: The global variation of terrestrial heat flow. *J. geophys. Res.* 68(26) : 6481-92.



- LEE, W.H.K.; UYEDA, S. 1965: Review of heat flow data. In Lee, W.H.K. (ed.) "Terrestrial Heat Flow". *Geophys. Monogr.* 8 : 87-190.
- LEE, W.H.K.; UYEDA, S.; TAYLOR, P.T. 1966: Geothermal studies of continental margins and island arcs. In Poole, W.H. (ed.) Report of Symposium "Continental Margins and Island Arcs". *Geol. Surv. Pap. Can.* 66(15) : 398-417.
- LEVIN, L.E. 1983: The mechanism of intraplate movements and evolution of marginal seas. (Abstr.) *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 145.
- LOMNITZ, C. 1974: "Global Tectonics and Earthquake Risk". (Development in Geotectonics - 5) Elsevier, Amsterdam. 320 p.
- LOUAT, R. 1977: Relative seismic energy released in South Pacific area. Pp 29-36 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- LUYENDYK, B.P.; BRYAN, W.B.; JEZEK, P.A. 1974: Shallow structure of the New Hebrides Island Arc. *Bull. geol. Soc. Am.* 85(8) : 1287-1300.
- LUYENDYK, B.P.; MACDONALD, K.C.; BRYAN, W.B. 1973: Rifting history of the Woodlark Basin in the Southwest Pacific. *Bull. geol. Soc. Am.* 84(4) : 1125-34.
- MCCANN, W.R. 1980: Seismic potential and seismic regimes of the Southwest Pacific. (Abstr.) *EOS Tran. Am. geophys. Un.* 61(17) : 292.
- MCCRACKEN, H.M. 1979: Plate tectonics. In "Earth Science Atlas of Australia". Bureau of Mineral Resources, Canberra. (Loose-sheet folio)
- MACDONALD, K.C.; LUYENDYK, B.P.; BRYAN, W.B. 1972: Heat flow and plate boundaries in Melanesia. (Abstr.) *EOS Trans. Am. geophys. Un.* 53(4) : 518.  
also in : *J. geophys. Res.* 78(14) : 2537-46 (1973).
- MCTAVISH, R.A. 1966: Planktonic Foraminifera from the Malaita Group, British Solomon Islands. *Micropalaeontology* 12 (1) : 1-36.
- MALAHOFF, A. 1970: Some possible mechanisms for gravity and thrust under oceanic trenches. *J. geophys. Res.* 75(11) : 1992-2001.
- MALAHOFF, A. 1979: Aeromagnetic surveys of the Southwest Pacific marginal basins. (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys.* : paper 5/14.
- MASON, D.R. 1972: Geochemistry of rock suites and related copper mineralisation in the Papua New Guinea-Solomon Islands region. Unpubl. Ph.D. thesis, Australian National University.
- MASON, D.R. 1976: Geochemical relationships between calc-alkaline intrusive rocks suites and associated porphyry-type copper mineralisation in the Papua New Guinea-Solomon Islands region of the Southwest Pacific. (Abstr.) *Proc. 25th Int. Geol. Congr., Sydney 1* : 58.
- MASON, D.R.; FEISS, P.G. 1979: On the relationship between whole-rock chemistry and porphyry copper mineralisation. *Econ. Geol.* 74(6) : 1506-10.
- MASON, D.R.; McDONALD, J.A. 1978: Intrusive rock and porphyry copper occurrences of the Papua New Guinea-Solomon Islands region : A reconnaissance study. *Econ. Geol.* 73(5) : 857-77.
- MATSUNAGA, T.; AKIYAMA, S.; FUJIE, T. 1978: Rennell Island bauxite : Exploration and mining assessment. *Proc. 11th Comm. Min. Metall. Congr., Hong Kong, Pap.* 17 : 5 p.
- MAUK, F.J.; JOHNSON, M.J.S. 1973: On the triggering of volcanic eruptions by earth tides. *J. geophys. Res.* 78 : 3356-62.
- MAYNARD, G.L.; SUTTON, G.H.; HUSSONG, D.M. 1969: Seismic observations in the Solomon Islands and Darwin Rise regions using repetitive sources. (Abstr.) *EOS Trans. Am. geophys. Un.* 50(4) : 206.
- MAYNARD, G.L.; SUTTON, G.H.; HUSSONG, D.M.; KROENKE, L.W. 1973: Seismic wide-angle reflection and refraction investigation of the sediments on the Ontong Java Plateau. (Abstr.) *EOS Trans. Am. geophys. Un.* 54(4) : 378.
- MAYNARD, G.L.; SUTTON, G.H.; HUSSONG, D.M.; KROENKE, L.W. 1974: The seismic wide-angle reflection method in the study of ocean sediment velocity structure. Pp 89-117 in Hampton, L. (ed.) "Physics of Sound in Marine Sediments". Plenum Publishing Corp., New York.

- MEREU, R.F. 1975: A study of the effect of Q on the observation of upper mantle travel time branches using adaptive processing techniques. *NATO Adv. Study Inst., Ser. E, Appl. Sci.* 11 : 471-88.
- MEREU, R.F.; SIMPSON, D.W.; KING, D.W. 1974: Q and its effect on the observation of upper mantle travel-time branches. *Earth Planet. Sci. Lett.* 21 : 439-47.
- MERIC, E. 1979: A different view on the origin of some conical forms of *Miogypsinoides dehaarti* (van der Vlerk). *Revta esp. Micropaleont.* 11(3) : 505-8.
- MICHAEL, M. 1969: Volcanic pulses in the New Guinea-Solomons region. *Trans. Papua New Guinea Sci. Soc.* 10 : 8-13.
- MICHAEL, M. 1970: Relationship between large magnitude tectonic earthquakes and volcanic eruptions in the New Guinea-Solomon Islands region, 1904-1962. (Abstr.) *Proc. 42nd ANZAAS Congr., Port Moresby, Sect. 3.*
- MICHAEL, M.O. 1973: Fluctuations in Circum-Pacific volcanic activity and in the seismicity of South America. *Hawaii Inst. Geophys. Tech. Rep. HIG-73-11* : 96 p.
- MICHAEL, M. 1976: Fluctuations in Circum-Pacific volcanic activity. *J. geol. Soc. Aust.* 23(3) : 211-22.
- MILSON, J.S. 1970: Woodlark Basin, a minor centre of seafloor spreading in Melanesia. *J. geophys. Res.* 73(12) : 5925-41.
- MINDOBATU, C. 1981: Bauxite occurrences in the New Georgia Group and Vahena Island. *Solomon Isl. geol. Surv. internal Rep. No. 81/6.*
- MINO, K.; ONOGUCHI, T.; MIKUMO, T. 1968: Focal mechanisms of earthquakes on island arcs in the Southwest Pacific. *Bull. Diasast. Prev. Res. Inst., Kyoto Univ.* 18(2) : 78-96.
- MINO, K.; ONOGUCHI, T.; MIKUMO, T. 1969: Focal mechanisms of earthquakes on island arcs in the Southwest Pacific region. (Abstr.) *Bull. Diasast. Prev. Res. Inst., Kyoto Univ.* 18(2) : 26.
- MITCHELL, A.H.; BELL, J.D. 1973: Island arc evolution and related mineral deposits. *J. Geol.* 81 : 381-405.
- MITCHELL, A.H.; BELL, J.D. 1976: Island arc evolution and related mineral deposits. Pp 71-95 in Walker, W. (ed.) "Metallogeny and Global Tectonics" (Benchmark Papers in Geology No. 29). Dowden, Hutchinson & Ross, Stroudsburg, Pennsylvania.
- MIYAMURA, S. 1968: Seismicity of island arcs and other arc tectonic regions of the Circum-Pacific zone. In Knopoff, L.; Drake, C.L.; Hart, P.J. (eds) "The Crust and Upper Mantle of the Pacific Area". *Geophys. Monogr.* 12 : 60-69.
- MOBERLY, R. 1971: Youthful oceanic lithosphere of marginal seas, western Pacific. (Abstr.) *Proc. 12th Pacif. Sci. Congr., Canberra* : 393.
- MOBERLY, R. 1973: Origin of lithosphere behind island arcs, with reference to the western Pacific. *Contr. Hawaii Inst. Geophys.* 1972 : 145-65.
- MOLNAR, P.; OLIVER, J. 1969: Lateral variation of attenuation in the upper mantle and discontinuities in the lithosphere. *J. geophys. Res.* 74 : 2648-82.
- MORTON, J. 1974: The coral reefs of the British Solomon Islands : A comparative study of their composition and ecology. In Cameron, A.M. et al. (eds) "Proceedings of the 2nd International Symposium on Coral Reefs", Brisbane. Great Barrier Reef Committee, Volume 2 : 31-53.
- MURAUCHI, S.; LUDWIG, W.J.; DEN, N.; HOTTA, H.; ASANUMA, T.; YOSHII, T.; KUBOTERA, A.; HAGIWARA, K. 1973: Seismic refraction measurements on the Ontong Java Plateau northeast of New Ireland. *J. geophys. Res.* 78 : 8653-63.
- NEEF, G. 1978: A convergent subduction model for the Solomon Islands. *Bull. Aust. Soc. explor. Geophys.* 9(3) : 99-103.
- NEEF, G. 1979: Cenozoic stratigraphy of Small Nggela Island, Solomon Islands - early Miocene deposition in a forearc basin followed by Pliocene patch reef deposition. *N.Z. Jl Geol. Geophys.* 22(1) : 53-70.
- NEEF, G.; MCDougall, I. 1976: Potassium-ages on rocks from Small Nggela Island, British Solomon Islands, S.W. Pacific. *Pacif. Geol.* 11 : 81-86.
- NEEF, G.; PLIMER, I.R. 1979: Ophiolite complexes on Small Nggela Island, Solomon Islands : Summary. *Bull. geol. Soc. Am., Pt 1* 90(2) : 136-38; *Pt 2* 90(2) : 313-48.

- NIXON, P.H. 1980: Kimberlites in the South-west Pacific. *Nature, Lond.* 287(5784) : 718-20.
- NIXON, P.H. 1981: The prospect of diamonds in the S.W. Pacific. *Science in New Guinea* 8(2) : 141-51.  
also in : *Indiaqua* 28(1) : 11-16.
- NIXON, P.H.; BOYD, F.R. 1977: Garnet-bearing lherzolites and discrete nodule suites from the Malaita alnoite, Solomon Islands, S.W. Pacific, and their bearing on oceanic mantle composition and geotherm. In Boyd, F.R.; Meyer, H.O.A. (eds) "The Mantle Sample : Inclusions in Kimberlites and Other Volcanics". *Proc. 2nd Int. Kimberlite Conf., Santa Fe* 2 : 400-23.
- NIXON, P.H.; COLEMAN, P.J. 1978: Garnet-bearing lherzolites and discrete nodule suites from the Malaita alnoite, Solomon Islands, and their bearing on the nature and origin of the Ontong Java Plateau. *Bull. Aust. Soc. explor. Geophys.* 9(3) : 103-7.
- NIXON, P.H.; MITCHELL, G.H. ROGERS, N.W. 1980: Petrogenesis of alnoitic rocks from Malaita, Solomon Islands, Melanesia. *Mineralog. Mag.* 43 : 587-96.
- NOMURA, M. 1979: Marine geomagnetic anomalies with intermediate wavelengths in the western Pacific region. *Bull. Ocean Res. Inst., Univ. Tokyo* 11 : 1-11.
- NUR, A.; BEN-AVRAHAM, Z. 1978: Speculations on mountain building and the lost Pacifica continent. *J. Phys. Earth, 26, Suppl.* : 251-537.
- NUR, A.; BEN-AVRAHAM, Z. 1979: Speculations on mountain building and the lost Pacifica content. In Uyeda, S.; Murphy, R.W.; Kobayashi, K. (eds) "Geodynamics of the Western Pacific". Proceedings of the International Conference on Geodynamics of the Western Pacific-Indonesian Region, March 1978, Tokyo. *Adv. Earth Planet. Sci.* 6 : 21-37.
- NUR, A.; BEN-AVRAHAM, Z. 1980: Oceanic plateaus in the tectonic evolution of the Pacific. (Abstr.) *Proc. 26th Int. Geol. Congr., Paris* 1 : 369.
- OKRUGIN, V.M.; OKRUGINA, A.M. 1981: Ore minerals in eruptive products of island arc volcanoes. (Abstr.) PP 274-75 in "IAVCEI Symposium - Arc Volcanism", August-September 1981, Tokyo and Hakone.
- PACKHAM, G.H. 1973: A speculative Phanerozoic history of the South-west Pacific. Pp 369-88 in Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Basins, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- PACKHAM, G.H.; FALVEY, D.A. 1971: An hypothesis for the formation of marginal seas in the Western Pacific. *Tectonophysics* 11(2) : 79-109.
- PACKHAM, G.H.; FALVEY, D.A. 1980: Tectonic evolution and kinematics of the Southwest Pacific. (Abstr.) In "Second International Workshop on Geology, Mineral Resources and Geophysics of the South Pacific", New Caledonia, October 1980. CCOP/SOPAC-IOC/WESTPAC.
- PAGE, R.W. 1971: Ages of emplacement and mineralisation of economic mineral deposits in the New Guinea-Solomon Islands region. (Abstr.) *Proc. 12th Pacif. Sci. Congr., Canberra* : 418.  
also in : *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 141 : 215-17 (1973)
- PAGE, R.W.; MCDUGALL, I. 1972: Geochronology of the Panguna Porphyry Copper Deposit, Bougainville Island, New Guinea. *Econ. Geol.* 67 : 1065-74.
- PARKINSON, W.D. 1959: Isogonic map of Australia and New Guinea showing predicted values for the epoch 1960.5. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 42 : 3 p + map.
- PARROT, J.F.; DUGAS, F. 1980: Southwest Pacific geodynamic model based on the ophiolites related metamorphic rocks. (Abstr.) *Proc. 26th Int. Geol. Congr., Paris* 1 : 374.
- PARROT, J.F.; DUGAS, F. 1980: The disrupted ophiolitic belt of the Southwest Pacific : Evidence of an Eocene subduction zone. *Tectonophysics* 66(4) : 349-72.
- PASCAL, G. 1976: Sismicite et tectonique de la region Nouvelle Guinee, Papouasie et Iles Salomon. [Seismicity and tectonics in the New Guinea, Papua and Solomon Islands region.] (Abstr.) *Reun. a. Sci. Terre (Progr. Resumes)* 4 : 321.

- PASCAL, G. 1979: Seismotectonics of the Papua New Guinea-Solomon Islands region. *Tectonophysics* 57 : 7-34.
- PASCAL, G.; ISACKS, B.L.; BARAZANGI, M.; DUBOIS, J. 1978: Precise relocations of earthquakes, and seismotectonics of the New Hebrides Island arc. *J. geophys. Res.* 83 (B10) : 4957-73.
- PEIVE, A.V.; MARKOV, M.S. 1971: Basaltic layer of the earth's crust in the western part of the Pacific. (Abstr.) *Proc. 12th Pacif. Sci. Congr., Canberra* : 382.
- PERSON, W.J. 1977: Earthquakes, October, November 1976. *Earthq. Inf. Bull.* 9(2) : 34-36
- PHILIP, P.R. 1980: Mt Sambe : Choiseul Geological Map, Sheet GH9, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- PHILLIPS, K.M. 1974: Distribution of prophyry copper deposits, and their regional environment in the Southwest Pacific. Pp 19-29 in Taylor, G.F. "Porphyry Copper Deposits in the Southwest Pacific". (Specialist Group in the Genesis of Ore Bodies.) Geological Society of Australia, Sydney.
- PROCTOR, W.D.; TURNER, C.C. 1975: The geology of Savo Island. *Bull. Solomon Isl. geol. Surv.* 6 : 44 p.
- PLIMER, I.R.; NEEF, G. 1980: Early Miocene extrusives and shallow intrusives from Small Nggela Island, Solomon Islands. *Geol. Mag.* 117(6) : 565-78.
- PUSHCHAROVSKIY, Y.M. 1967: The Pacific tectonic segment of the Earth's crust. *Geotectonics* 5 : 311-16.
- RAMSAY, W.R.H. 1978: Field, mineralogical, and structural observations on some basement rocks, South-East Choiseul. Solomon Islands. *Bull. Aust. Soc. explor. Geophys.* 9(3) : 107-10.
- RAMSAY, W.R.H. 1979: Crustal strain phenomena in the Solomon Islands, constraints from field evidence, and relationship to the Indian-Pacific Plate boundary. (Abstr.) *Proc. 49th ANZAAS Congr., Auckland 1* : 129.
- RAMSAY, W.R.H. 1980: Santa Isabel ophiolite : Basement crust to an ensimatic arc, Solomon Islands. (Abstr.) *Proc. 26th Int. Geol. Congr., Paris 1* : 81.
- RAMSAY, W.R.H. 1979: Crustal strain phenomena in the Solomon Islands, constraints from field evidence, and relationship to the India-Pacific Plate boundary. *Tectonophysics* 87 : 109-26.
- RAMSAY, W.R.H. 1983: A preliminary mineralogical and chemical study of the basement ophiolite lavas of the Solomon Islands. (Abstr.) *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 193.
- RAVENNE, C.; PASCAL, G.; DUBOIS, J.; DUGAS, F.; MONTADERT, L. 1977: Model of a young intra-oceanic arc : the New Hebrides island arc. Pp 63-78 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- RECY, J.; DANIEL, J.; LARUE, B.; HAWKINS, L.V. 1975: De l'existence d'une zone de subduction fossile dans la region de Rennell (Sud-Ouest Pacifique). [On the existence of a fossil subduction zone near Rennell, S.W. Pacific.] *C. r. hebd. Seanc. Acad. Sci., Paris, ser. D 281* : 489-92.
- REGAN, A.D.; CAIN, J.C.; DAVIS, W.M. 1975: A global magnetic anomaly map. *J. geophys. Res.* 80(5) : 794-802.
- RESIG, J.; BUYANNANONTH, V.; ROY, K.J. 1976: Foraminiferal stratigraphy and depositional history in the area of the Ontong Java Plateau. *Deep-Sea Res.* 23(5) : 441-56.
- RIPPER, I.D. 1970: New Guinea-Solomon Islands seismicity interpreted in terms of regional tectonics. (Abstr.) *Proc. 42nd ANZAAS Congr., Port Moresby, Sect 3*.
- RIPPER, I.D. 1970: Global tectonics and the New Guinea, Solomon Islands region. *Search* 1(5) : 226-32.
- RIPPER, I.D. 1970: Tectonics of the New Guinea-Solomon Islands region. (Abstr.) In "Recent Crustal Movements and Associated Seismicity". *Bull. R. Soc. N.Z.* 9 : 30-31.
- RIPPER, I.D. 1975: Seismicity and earthquake focal mechanisms in the New Guinea-Solomon Islands region. (Extended Abstr.) *Bull. Aust. Soc. explor. Geophys.* 6(2/3) : 80-81.

- RIPPER, I.D. 1975: Some earthquake focal mechanisms in the New Guinea/Solomon Islands region, 1963–1968. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 178 : 120 p.
- RIPPER, I.D. 1977: Some earthquake focal mechanisms in the New Guinea/Solomon Islands region, 1969–1971. *Rep. Bur. Miner. Resour. Geol. Geophys. Aust.* 192 (BMR Microfilm MF11.)
- RIPPER, I.D. 1979: Australia/Solomon Sea plate boundary. (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys.* : paper 5/3.
- ROSE, J.C.; MALAHOFF, A. 1967: Marine gravity and magnetic studies in the Solomon Islands. (Abstr.) *EOS Trans. Am. geophys. Un.* 12 : 379–410.
- ROSE, J.C.; TRACY, R.W. 1971: Gravity results in the Solomon Islands region, aboard H.M.S. *Dampier*, 1965. *Hawaii Inst. Geophys. Tech. Rep. HIG-71-22.* (HIG Data Rep. 17.) : 2 p.
- ROTHER, J.P.; 1969: "The Seismicity of the Earth, 1953–1965". UNESCO, Geneva. 336 p.
- SAKUYAMA, M. 1981: Phenocryst assemblages and H<sub>2</sub>O contents in Circum-Pacific arc magmas. (Abstr. + map). Pp 316–17 in "IAVCEI Symposium - Arc Volcanism". Tokyo and Hakone, August-September 1981.
- SANCETTA, C.A. 1978: Neogene planktonic provinces : A synthesis of DSDP material. (Abstr.) In Ikebe, N. *et al.* "Correlation of Tropical through High Latitude Marine Neogene Deposits of the Pacific Basin". I.G.C.P. Proj. 114 (Biostratigraphic Datum-Planes of the Pacific Neogene.) *Abstr. Progr. 3rd Working Group Mtg, I.G.C.P. Proj. 114* : 47–48.
- SANTO, T. 1970: Regional study on the characteristic seismicity of the world. Part IV : New Britain Island region. *Earthq. Inf. Bull.* 48 : 127–43.
- SCHOLL, D.W.; MARLOW, M.S. 1974: Sedimentary sequence in modern Pacific trenches and the deformed Circum-Pacific Eugeosyncline. In "Modern and Ancient Geosynclinal Sedimentation : Deposits in magma arc and trench systems". *SEPM Spec. Publ.* 19 : 193–211.
- SCLATER, J.G.; RITTER, W.G.; DIXON, F.S. 1972: Heat flow in the southern Pacific. *J. geophys. Res.* 77(29) : 5697–5704.
- SCHEINMANN, Y.M. 1968: Tectonics of the upper parts of the mantle under geosynclines and island arcs. In Knopoff, L.; Drake, C.L.; Hart, P.J. (eds) "The Crust and Upper Mantle of the Pacific Area". *Geophys. Monogr.* 12 : 466–72.
- SHIMIZU, A.; TOYA, S.; HORI, T. 1970: Ore reserve estimations of Bougainville copper mine. *Min. Geol.* 20(100) : 79–91.
- SHOR, G.G.; KIRK, H.R.; MENARD, H.W. 1971: Crustal structure of the Melanesian area. *J. geophys. Res.* 76(11) : 2562–86.
- SHREIDER, A.A. 1975: Geological and geophysical investigations of the Pocklington Reef carried out on board R/V *Fedor Litke*. (Abstr.) *Proc. 13th Pacif. Sci. Congr., Vancouver 1* : 413.
- SHUTO, K.; KAGAMI, H.; IIZUMI, S.; GORAI, N. 1977: Strontium isotopic features of the Cenozoic volcanic rocks – Pacific regions. *Pacif. Geol.* 12 : 47–70.
- SILLITOE, R.H. 1972: A plate tectonic model for the origin of porphyry copper deposits. *Econ. Geol.* 67 : 184–97.
- SIMKIN, T.; SIEBERT, L.; MCCLELLAND, L.; BRIDGE, D.; NEWHALL, C.; LATTER, J.H. 1981: "Volcanoes of the World". A regional directory gazetteer and chronology of volcanism during the last 10,000 years. Hutchinson Ross Publishing Co., Stroudsburg, Pennsylvania. 232 p.
- SKORNYAKOVA, N.S.; ANDRUSHCHENKO, P.F. 1970: Iron-manganese nodules in the Pacific Ocean. Pp 203–68 in Bezrukov, P.L. (ed.) "Sedimentation in the Pacific Ocean". Nauka, Moscow. Translation in : *Int. Geol. Rev.* 16 : 863–919 (1974).
- SMITH, A. 1980: Nuatambu : Choiseul Geological Map, Sheet CH8, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.

- SNELLING, N.J.; INGRAM, I.H.; CHAN, K.P. 1970: K:Ar age determinations on samples from the British Solomon Islands Protectorate. *Rep. Inst. Geol. Sci., Geochem. Div. No. 70.14* : 3 p.
- SOLOMON, S.; BIEHLER, S. 1969: Crustal structure from gravity anomalies in the Southwest Pacific. (Abstr.) *EOS Trans. Am. geophys. Un.* 50(4) : 205.
- SOLOVIEV, S.L. 1970: Recurrence of tsunamis in the Pacific. Pp 149–63 in Adams, W.M. (ed.) "Tsunamis in the Pacific Ocean". Proceedings of the International Symposium on Tsunamis and Tsunami Research, Honolulu, 1969. East-West Center Press, Hawaii.
- SOLOVYEVA, I.A. 1976: Deep structure of the Pacific crust. *Geotectonics* 10(3) : 157–68.
- STANTON, R.L. 1967: A numerical approach to the andesite problem. *Proc. K. ned. Akad. Wet., Ser. B* 70(2) : 176–216.
- STANTON, R.L. 1978: Mineralisation in island arcs with particular reference to the Southwest Pacific region. *Proc. Australas. Inst. Min. Metall.* 268 : 9–19.
- STANTON, R.L.; RAMSAY, W.R.H. 1975: Ophiolite basement complex in a fractured island chain. Santa Isabel, British Solomon Islands. *Bull. Aust. Soc. explor. Geophys.* 6(2/3) : 61–64
- STANTON, R.L.; RAMSAY, W.R.H. 1980: Exhalative ores, volcanic loss and the problems of the island arc calc-alkaline series : A review and a hypothesis. *Norg. geol. Unders.* 360 : 9–57.
- STANTON, R.L.; BELL, J.D. 1969: Volcanic and associated rocks of the New Georgia group, British Solomon Islands Protectorate. *Overseas Geol. Miner. Resour.* 10(2) : 113–45.
- STEARNS, H.T. 1945: Eustatic shorelines in the Pacific. *Bull. geol. Soc. Am.* 56(11) : 1071–78.
- STEPANOV, G.I. 1974: Remnant arcs : discussion. *Bull. geol. Soc. Am.* 85(9) : 1493–97.
- STODDART, D.A. 1969: Geomorphology of the Solomon Islands coral reefs. A discussion of the results of the Royal Society Expedition to the British Solomon Islands Protectorate, 1965. *Phil. Trans. R. Soc. B255* : 355–82.
- STODDART, D.A. 1969: Geomorphology of the Marova elevated barrier reef, New Georgia. A discussion of the results of the Royal Society Expedition to the British Solomon Islands Protectorate, 1965. *Phil. Trans. R. Soc. B255* : 385–402.
- STODDART, D.A. 1969: Sand cays of eastern Guadalcanal. A discussion of the results of the Royal Society Expedition to the British Solomon Islands Protectorate, 1965. *Phil. Trans. R. Soc. B255* : 403–32.
- STRANGE, P.J. 1969: Choiseul Bay : Choiseul Geological Map, Sheet CH.1, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- STRANGE, P.J. 1977: Chorovanga (Sirovanga) : Choiseul Geological Map, Sheet CH.2 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- STRANGE, P.J. 1979: Katurasele : Choiseul Geological Map, Sheet CH.6, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- STRANGE, P.J.; DANITOFEA, S. 1979: Voza : Choiseul Geological Map, Sheet CH.3, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- STRANGE, P.J.; HUGHES, G.W. 1979: Komboro and Rob Roy : Choiseul Geological Map, Sheet CH.11, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- STRANGE, P.J.; MAYNARD, G.L.; HUSSONG, D.M. 1971: Wide-spread occurrence of a high-velocity basal layer in the Pacific crust found with repetitive sources and sonobuoys. In Heacock, J.G. (ed.) "The Structure and Physical Properties of the Earth's Crust". *Geophys. Monogr.* 14 : 193–209.
- TAKEDA, T. 1978: Mineral occurrences of the Solomon Islands : Regional guide to further exploration. *Western Miner.* 51(6) : 9–20.
- TAMRAZIAN, G.P. 1970: Some characteristic features of seismic energy release (in time) on the southwestern margin of the Pacific Ocean. *N.Z. J. Geol. Geophys.* 13(2) : 400–17.

- TARR, A.C. 1972: Seismotectonics of the Solomon Sea junction. (Abstr.) *Abstr. Progr. geol. Soc. Am.* 4(3) : 246.
- TAYLOR, B. 1982: Subduction of Woodlark spreading system at Solomon Island arc. *Progr. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 46. also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 985.
- TAYLOR, B.; EXON, N.F.; Shipboard party (ANZUS-SOPAC Cruise KK820316-4) 1982: Forearc volcanism and subduction without a trench : peculiarities of ridge subduction in the Woodlark-Solomons region. (Abstr.) *Progr. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 233.
- TAYLOR, B.A. 1956: Australia. In Healy, J. "Report of the Standing Committee on Volcanology". *Proc. 8th Pacif. Sci. Congr., Philippines* 2 : 30-32.
- TAYLOR, G.A. 1956: Review of volcanic activity in the Territory of Papua New Guinea, the Solomon and New Hebrides Islands, 1951-53 : Australian National Committee on Geology and Geophysics - Report on Subcommittee on Volcanology, 1953. *Bull. volcan.* 18, Ser. II : 35-37.
- TAYLOR, G.F. 1974: "Porphyry Copper Deposits of the Southwest Pacific". (Specialist Group in the Genesis of Ore Bodies.) Geological Society of Australia, Sydney. 88 p.
- TAYLOR, G.R. 1973: "Preliminary observations on the structural history of Rennell Island, South Solomon Sea. *Bull. geol. Soc. Am.* 84(8) : 2795-2806.
- TAYLOR, G.R. 1974: Volcanogenic mineralisation in the islands of the Florida Group, B.S.I.P. *Trans. Inst. Min. Metall., Sect. B*, 83(816) : B120-B130.
- TAYLOR, G.R. 1975: Volcanogenic mineralisation in the islands of the Florida Group, B.S.I.P. *Trans. Inst. Min. Metall., Sect. B*, 84 : B66-67.
- TAYLOR, G.R. 1975: The Paraso thermal area, Vella Lavella : Preliminary report. *Bull. Solomon Isl. geol. Surv.* 1 : 12 p + 3 maps.
- TAYLOR, G.R. 1976: Residual volcanic emanations from the British Solomon Islands. Pp 343-54 in Johnson, R.W. (ed.) "Volcanism in Australasia". Elsevier, Amsterdam.
- TAYLOR, G.R. 1976: Styles of mineralisation in the Solomon Islands - a review. In Glasby, G.P.; Katz, H.R. (eds) "Marine Geological Investigations in the Southwest Pacific and Adjacent Areas". Papers presented at the I.D.O.E. Workshop, Suva, Fiji, September 1975. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 2 : 83-91.
- TAYLOR, G.R. 1977: West Florida Islands : Florida Islands Geological Map, Sheet FL.1, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- TAYLOR, G.R. 1977: Investigation of shallow submerged plateaus in the Manning Straits and southwest of Choiseul Island : Results of the February 1976 expedition. *S. Pacif. mar. geol. Notes* 1(4) : 41-45.
- TAYLOR, G.R.; HUGHES, G.W. 1975: Biogenesis of the Rennell bauxite. *Econ. Geol.* 70(3) : 542-46.
- TAZIEFF, H. 1963: II Volcano Tinakula (Pacífico occidentale). [Tinakula volcano (western Pacific).] *Memorie Soc. tosc. Sci. nat., Ser. A* 70 : 443-51.
- TEDDER, I.J. 1974: The geology of Simbo Island and relationship of sediments iron and manganese mineralisation with volcanism. Unpubl. B.Sc. Hons thesis, University of New England, Australia.
- THOMPSON, R.B. 1966: Serpentinisation accompanied by volume changes. (Abstr.) *Proc. 11th Pacif. Sci. Congr., Tokyo* 4 : VII/54.
- THOMPSON, R.B. 1967: Ultrabasic rocks of the Solomons. (Abstr.) *N.Z. Jl Geol. Geophys.* 10(5) : 1191-93.  
also in : "Proceedings and Abstracts, Southwest Pacific Geological Survey Conference, Fiji, 1966". *Fiji geol. Surv. Occ. Pap.* 2.
- THOMPSON, R.B. 1967: Primitive drilling methods used offshore in British Solomon Islands. (Abstr.) *N.Z. Jl Geol. Geophys.* 10(5) : 1193.  
also in : "Proceedings and Abstracts, Southwest Pacific Geological Conference, Fiji, 1966". *Fiji geol. Surv. Occ. Pap.* 2.
- THOMPSON, R.B. 1971: Surface expression of mineralisation in the Solomon Islands. (Abstr.) *Proc. 12th Pacif. Sci. Congr., Canberra* : 420.

- THOMPSON, R.B. 1973: Surface expression of mineralisation in the Solomon Islands. In Fisher, N.H. (ed.) "Metallogenic Provinces and Mineral Deposits in the Southwestern Pacific". *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 141 : 107-14.
- THOMPSON, R.B. 1978: Kovachi. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1976, with Supplements". *Bull. volc. Eruptions* 16 : 22.
- THOMPSON, R.B. 1979: Kovachi. In Katsui, Y.; Aramaki, S. (eds) "Annual Report of the World Volcanic Eruptions in 1977, with Supplements". *Bull. volc. Eruptions* 17 : 25.
- THOMPSON, R.B.; PROCTOR, W.B. 1971: Kovachi submarine volcanic eruption, Solomon Islands, South Pacific, October 1969-April 1970. *Rep. Rev. Events Smithsonian Instn Cent. short-lived Phenom.* 1970 : 116-19.
- TIFFIN, D.L.; VEDDER, J.G. 1982: Multichannel seismic and geophysical survey of the Slot and adjacent areas in the Solomon Islands. *CCOP/SOPAC Cruise Rep. No.* 71.
- TITLEY, S.R. 1972: Geological environment and characteristics of some porphyry copper deposits of the southwestern Pacific. (Abstr.) *Econ. Geol.* 68 : 141.
- TITLEY, S.R. 1975: Geological characteristics and environment of some porphyry copper occurrences in the Southwestern Pacific. *Econ. Geol.* 70(3) : 499-514.
- TITLEY, S.R. 1978: Copper, molybdenum and gold content of some porphyry copper systems of the Southwestern and Western Pacific. *Econ. Geol.* 73(5) : 977-81.
- TITLEY, S.R.; HEIDRICK, T.L. 1978: Intrusion and fracture styles of some mineralised porphyry systems of the southwestern Pacific and their relationship to plate interactions. *Econ. Geol.* 73(5) : 891-903.
- TOMODA, Y. 1974: "Reference Book for Gravity, Magnetic and Bathymetric Data of the Pacific Ocean and Adjacent Seas". University of Tokyo Press, Tokyo. 158 p.
- TURNER, C.C. 1975: The geology of Mborokua. *Bull. Solomon Isl. geol. Surv.* 7 : 15p.
- TURNER, C.C. 1976: South Small Malaita : Malaita Geological Map, Sheet ML17, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- TURNER, C.C. 1977: Central Malaita : Malaita Geological Map, Sheet ML16, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- TURNER, C.C. 1978: Shortland Islands : Shortland Islands Geological Map, Sheet SH.1A, 1:10,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- TURNER, C.C. (comp.) 1979: South "Are" Are : Malaita Geological Map, Sheet ML15, 1:50,000 (1st Edition) with brief explanation of the geology. Geological Survey, Division of Ministry of Natural Resources, Honiara.
- TURNER, C.C. 1981: The geology of the Shortland Islands, Solomon Islands. *Rep. Solomon Isl. geol. Surv. Div. No.* 17.
- TURNER, C.C.; EADE, J.V.; DANITOFEA, S.; OLDNALL, R. 1977: Gold-bearing sediments on the continental shelf, Northern Guadalcanal, Solomon Islands. *S. Pacif. mar. geol. Notes* 1(6) : 55-69.
- TURNER, C.C.; RIDGWAY, J. 1982: Tholeiitic, calc-alkaline and (?) alkaline igneous rocks of the Shortland Islands, Solomon Islands. *Tectonophysics* 87 : 335-54.
- UNITED NATIONS SECRETARIAT, 1980: Summaries of country activities in the appraisal, development and management of mineral resources, 1976-1978; Solomon Islands. In "Proceedings of the Sixth Session of the Committee on Natural Resources; incorporating the triennial review of mineral development activities in the ESCAP region, 1976-1978. *U.N. ECAFE, Miner. Resour. Dev. Ser., No.* 47 : 152-62.
- VALENCIA, M.J. 1972: Tertiary and Quaternary sediments of the Ontong Java Plateau. Unpubl. Ph.D. thesis, University of Hawaii, Honolulu. 196 p.
- VALENCIA, M.J. 1972: Tertiary and Quaternary sediments of the Ontong Java Plateau area : Unpublished results and data. *Hawaii Inst. Geophys. Tech. Rep. HIG-72-17 (Data Rep. 21)* : 52 p.
- VALENCIA, M.J. 1973: Calcium carbonate and gross-size analysis of surface sediments, western Equatorial Pacific. *Pacif. Sci.* 27(3) : 290-303.



- VALENCIA, M.J. 1977: Pleistocene stratigraphy of the western Equatorial Pacific. *Bull. geol. Soc. Am.* 88(1) : 143-50.
- VALENCIA, M.J. 1977: Pacific Pleistocene paleoclimatic stratigraphies : A comparative analysis of results. *Quat. Res.* 8 : 337-54.
- VAN DEVENTER, J.; POSTUMA, J.A. 1973: Early Cenomanian to Pliocene deep-marine sediments from North Malaita, Solomon Islands. *J. geol. Soc. Aust.* 20(2) : 145-51.
- VAN DER LINGEN, G.J.; PACKHAM, G.H. 1975: Relationships between diagenesis and physical properties of biogenic sediments at the Ontong-Java Plateau (sites 288 and 289, Deep Sea Drilling Project). In "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 443-82.
- VEDDER, J.G.; TIFFIN, D.L.; COULSON, F.I.E.; and Scientific Party, 1982: Preliminary results of Leg 3 *Lee* Cruise - Basin development and resource potential of central Solomons Trough. *Prog. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 46.
- VON HERZEN, R.P.; LEE, W.H.K. 1969: Heat flow in oceanic regions. In Hart, P.J. (ed.) "The Earth's Crust and Upper Mantle". *Geophys. Monogr.* 13 : 88-95.
- WALKER, D.A. 1977: High-frequency Pn and Sn phases recorded in the western Pacific. *J. geophys. Res.* 82(B23) : 3350-60.
- WALL, J.R.D.; HANSELL, J.R.F. 1974: "The British Solomon Islands Protectorate : Volume 3 - Malaita and Ulawa". Land Resources Division of the Ministry of Overseas Development, Surbiton, Surrey. Pt 1, 125 p; Pt 2, 8 maps.
- WALL, J.R.D.; HANSELL, J.R.F. 1975: "Land Resources of the Solomon Islands : Volume 4 - New Georgia Group and the Russell Islands". Land Resources Division of the Ministry of Overseas Development, Surbiton, Surrey. Pt 1, 219 p; Pt 2, 8 maps.
- WALL, J.R.D.; HANSELL, J.R.F. 1976: "Land Resources of the Solomon Islands : Volume 6 - Choiseul and the Shortland Islands". Land Resources Division of the Ministry of Overseas Development, Surbiton, Surrey. Pt 1, 206 p; Pt 2, 8 maps.
- WALL, J.R.D.; HANSELL, J.R.F. 1976: "Land Resources of the Solomon Islands : Volume 8 - Outer Islands". Land Resources Division of the Ministry of Overseas Development, Surbiton, Surrey. Pt 1, 158 p; Pt 2, 7 maps.
- WALSHAW, R.D. 1974: A geochemical investigation of gold-bearing altered volcanic rudites at gold ridge, Guadalcanal. Geological Survey Department, Honiara. 48 p + maps. (Mimeographed)
- WARD, G.K.; SMITH, I.E. 1974: Characterisation of chert sources as an aid to the identification of patterns of trade, southeast Solomon Islands : A preliminary investigation. *Mankind* 9 : 281-85.
- WARIN, O.N. 1964: Introduction. In White, W.C.; Warin, O.N. "A Survey of Phosphate Deposits in the Southwest Pacific and Australian Waters". *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 69 : 11-12.
- WARIN, O.N. 1964: Economic significance of the phosphate deposits. In White, W.C.; Warin, O.N. "A Survey of Phosphate Deposits in the Southwest Pacific and Australian Waters". *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 69 : 148-55.
- WATANABE, T.; LANGSTRETH, M.G.; ANDERSON, R.N. 1977: Heat flow in back-arc basins of the Western Pacific. Pp 137-61 in Talwani, M.; Pitman, W.C. (eds) "Island Arcs, Deep Sea Trenches, and Back-arc Basins". Maurice Ewing Series 1. American Geophysical Union, Washington. 470 p.
- WATTS, W.W.; NEWTON, E.T. 1896: Notes on some rocks from the Solomon Islands. *Geol. Mag.* 4(3) : 358-65.
- WEBBER, R.H. 1978: Guadalcanal earthquake. *Tropical Doctor* 1978 No. 8 (July) : 160-62.
- WEBER, J.N. 1973: Generic diversity of scleractinian reef corals in the central Solomon Islands. *Pacif. Sci.* 27(4) : 391-98.
- WEISSEL, J.K. 1981: Magnetic lineations in marginal basins of the western Pacific. *Phil. Trans. R. Soc. A300* : 223-47.
- WEISSEL, J.K. 1981: Magnetic lineations in marginal basins of the western Pacific. Pp 5-27 in Vine, F.J.; Smith, A.G. (eds) "Extension Tectonics Associated with Convergent Plate Boundaries". The Royal Society, London.

- WEISSEL, J.K.; TAYLOR, B.; KARNER, G.D. 1979: Opening of the Woodlark Basin and subduction of the Woodlark spreading centre. (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys., Canberra* : Paper 5/4.
- WEISSEL, J.K.; TAYLOR, B.; KARNER, G.D. 1980: Geological/geophysical consequences of subducting the Woodlark spreading system at the Solomon Trench. (Abstr.) In "Second International Workshop on Geology, Mineral Resources and Geophysics of the South Pacific", New Caledonia, October 1980. CCOP/SOPAC-IOC/WESTPAC.
- WELLMAN, H.W. 1971: The Eulerian pole for the Melanesian Suture. (Abstr.) *Proc. 12th Pacif. Sci. Congr., Canberra* : 384.
- WHATLEY, R.C.; TITTERTON, R. 1981: Some new Recent podocopic Ostracoda from the Solomon Islands, Southwest Pacific. *Revta esp. Micropaleont.* 13(2) : 157-70.
- WHITE, W.C. 1964: Other islands in the Solomons group. In White, W.C.; Warin, O.N. "A Survey of Phosphate Deposits in the Southwest Pacific and Australian Waters". *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 69 : 156-65.
- WHITE, W.C.; WARIN, O.N. 1964: A survey of phosphate deposits in the Southwest Pacific and Australian waters. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 69 : 173 p.
- WHITE, W.C.; WARIN, O.N. 1964: Bellona Islands, B.S.I.P. In White, W.C.; Warin, O.N. "A Survey of Phosphate Deposits in the Southwest Pacific and Australian Waters". *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 69 : 22-38, pls 2-3.
- WIEBENGA, W.A.; BARLOW, B.G.; FURUMOTO, A.S.; WEBB, J. 1973: Crustal structure and boundary conditions between the Ontong Djawa Plateau, Bismarck Sea and Solomon Sea. (Abstr.) P. 346 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- WIEBENGA, W.A.; FINLAYSON, D.; CULL, J.; WEBB, J.; FURUMOTO, A.S. 1971: The Bismarck Archipelago, a structure formed by tensile stress. (Abstr.) *Proc. 12th Pacif. Sci. Congr., Canberra*.
- WINTERER, E.L. 1976: Anomalies in the tectonic evolution of the Pacific. In Sutton, G.H. et al. (eds) "The Geophysics of the Pacific Ocean Basin and its Margin". A volume in honour of George P. Woollard. *Geophys. Monogr.* 19 : 269-78.
- WINTERER, E.L. et al. 1971: Site 64. In "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 473-606.
- WINTERER, E.L. et al. 1971: "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 841 p.
- WINTERER, E.L. et al. 1969: Deep Sea Drilling Project : Leg 7. *Geotimes* 14(10) : 12-14.
- WOOLLARD, G.P. 1963: The Woods Hole-University of Wisconsin International Network of gravimeter bases : Appendix - Part 2. Descriptions and values of gravimeter base. Pp 35-124 in Woollard, G.P.; Rose, J.C. "International Gravity Measurements". Geophysical and Polar Research Center, University of Wisconsin, Madison.
- WOOLLARD, G.P. 1966: Crust and mantle relations on the southeast and central Pacific area as deduced from gravity data. (Abstr.) *Proc. 11th Pacif. Sci. Congr., Tokyo* 3 : III/8.
- WOOLLARD, G.P. 1976: Regional changes in gravity and their relation to crustal parameters. Pp 237-58 in Aoki, H.; Susumu, I. (eds) "Volcanoes and Tectonosphere". Tokai University Press, Tokyo.
- WOOLLARD, G.P.; STRANGE, W.E. 1962: Gravity anomalies in the Crust of the Earth in the Pacific Basin. In Macdonald, G.A.; Kuno, H. (eds) "The Crust of the Pacific Basin". *Geophys. Monogr.* 6 : 60-80.
- WYCHE, C. 1978: Other South Pacific islands (British Solomon Islands, ...) (mineral industry, 1975). *Miner. Yb* 1975(3) : 1283-92.
- WYCHE, C. 1980: The mineral industry of other South Pacific islands (Fiji, ... Solomon Islands, Tonga Island). *Yb. U.S. Bur. Mines Miner.* 1978-79 : 10 p.

**BIBLIOGRAPHY OF  
GEOLOGY AND GEOPHYICS  
FOR TOKELAU**

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- CULLEN, D.J. 1981: Seamount phosphorite project – Tokelau-Cook phosphorite cruise No. 1113. NZOI Cruise Rep. R.V. *Tangaroa* 1113. (Unpubl.)
- CULLEN, D.J.; BURNETT, W.C. 1983: Seamount phosphate deposits in the South Pacific Ocean. (Abstr.) *Progm. Abstr. 15th Pacif. Sci. Congr. Dunedin* 52–53.
- FOUHY, E.; THOMPSON, R.M.C. 1980: Selected list of bibliographies of South Pacific Islands. *Misc. Pubs N.Z. oceanogr. Inst.* 91 : 30 p.
- KRAMMER, D. 1981: The hydrogeology of Tokelau. *S. Pacif. tech. Inventory* 2 : 91.
- KRAUSS, N.L.H. 1969: Bibliography of the Tokelau or Union Islands, central Pacific. Krauss, 2437 Parker Place, Honolulu. 11 p.
- KROENKE, L.W.; JOUANNIC, C.; WOODWARD, P. (comps) 1983: Bathymetry of the Southwest Pacific. Chart 1 of the Geophysical Atlas of the Southwest Pacific. Scale 1:6,442,192 at 0°. Mercator Projection. 2 Sheets. CCOP/SOPAC.
- LANDS AND SURVEY, New Zealand, 1978: Tokelau. Pp 25–26, pl. 13 in “Atlas of the South Pacific”. Government Printer, Wellington.
- MAMMERICKX, J.; CHASE, T.E.; SMITH, S.M.; TAYLOR, I.L. 1974: Bathymetry of the South Pacific, Chart 12 (revised). Scripps Institution of Oceanography, La Jolla.
- MAMMERICKX, J.; SMITH, S.M.; TAYLOR, I.L.; CHASE, T.E. 1973: Bathymetry of the South Pacific, Chart 13. Scripps Institution of Oceanography, La Jolla.
- MEINICKE, C.E. 1868: Die Penrhyn-Tokelau- und Lagunen-Inseln. *Ges. Erdk. Berlin* 3 : 112–31.
- MONAHAN, D.; FALCONER, R.H.K.; THARP, M. (scient. co-ord) 1982: General Bathymetric Chart of the Oceans (GEBCO), 5th Edition. Sheet 5.10. Scale 1:10,000,000 at 0°. Mercator Projection. IHO/IOC.
- ROBERTSON, E.I.; KIBBLEWHITE, A.C. 1966: Bathymetry around isolated volcanic islands and atolls in the South Pacific Ocean. *N.Z. JI Geol. Geophys.* 9(1 & 2) : 111–21.

**BIBLIOGRAPHY OF  
GEOLOGY AND GEOPHYSICS  
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This bibliography complements that published in *CCOP/SOPAC Tech. Bull. 1* (compiled up to November 1974) and should be used in conjunction with it. Where possible, references up to February 1983 and including those papers presented at the 15th Pacific Science Congress held in Dunedin, New Zealand, have been included.

This compilation was prepared using the information supplied by K. Anscombe in February 1982. It was further extended by a search of relevant journals in the library at N.Z. Oceanographic Institute. Computer searches made by librarians at U.S. Geological Survey, Menlo Park, and at N.Z.O.I. were of immense assistance. Because some references were taken from the computer searches and lists of abstracting journals rather than from the journal itself, they have not been seen or verified.

Some entries in this section will also appear under "New Zealand" as this compilation includes the main articles related to the Tonga-Kermadec subduction zone as a whole, and to the South Fiji Basin.

## TONGA

- AGAPOVA, G.V.; ZENKEVICH, N.L.; UDINTSEV, G.P. 1975: Morphology of trenches of the southwestern Pacific Ocean. *Geomorfologiya* 1 : 43-50.
- AGGARWAL, Y.P.; BAZARANGI, M.; ISACKS, B. 1972: P and S travel times in the Tonga-Fiji region : A zone of low velocity in the uppermost mantle behind the Tonga Island arc. (Abstr.) *EOS Trans. Am. geophys. Un.* 53(4) : 519.  
also in : *J. geophys. Res.* 77(32) : 6427-34.
- ALLING, H.L. 1932: Geology of Eua, Tonga (Petrography). *Bull. Bernice P. Bishop Mus.* 96 : 38-47.
- ALTMAN, L.W. 1978: Distribution of stress in the oceanic lithosphere beneath the Lau-Havre Basin. Unpubl. M.Sc. thesis, Texas A & M University, College Station, Texas.
- AMBERG, R. 1968: Marine seismic and magnetic survey project, Tonga Islands. Australian Aquitaine Petroleum Pty Ltd, Brisbane, Rep. No. D6660. [Available on Open File, Tonga Govt, Nuku'alofa.]
- ANDERSON, A.J. *et al.* 1978: Lau-Tonga 1977. Reports from the Expedition of June-July 1977 sponsored by the Royal Society of New Zealand. *Bull. R. Soc. N.Z.* 17 : 228 p.
- ANDREWS, J.E. 1973: Correlation of seismic reflectors. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 459-79.
- ANDREWS, J.E.; BURNS, R.E. *et al.* 1973: Deep Sea Drilling Project : Leg 21, Tasman Sea-Coral Sea. (Preliminary Results). Pp 185-99 in Fraser, R. (Comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- ANDREWS, J.E.; PACKHAM, G.H. *et al.* 1975: "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 753 p.
- ANDREWS, J.E.; PACKHAM, G.H. *et al.* 1975: Site 285. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 27-67.
- ANISHCHENKO, I.A.; KOGAN, S.Y.; PISARENKO, V.F. 1980: [The periodicity of the number of deep-focus earthquakes in the regions of Fiji, Tonga, and the Okhotsk Sea.] *Vulk. Seismol.* 6 : 68-81.
- ANON. 1958: Bibliography (Geology of Tonga). In "Geological Survey : Annual Report for the year 1957". *Coun. Pap. Fiji 1958(21)* : 14-16.
- ANON. 1959: Bibliography (Geology of Tonga). In "Geological Survey Department Annual Report for the year 1958". *Coun. Pap. Fiji 1959(17)* : 17.
- ANON. 1960: Bibliography (Geology of Tonga). In "Geological Survey Department Annual Report for the year 1959". *Coun. Pap. Fiji 1960(6)* : 19.
- ANON. 1973: July 19, 1973. Curacoa Reef submarine volcanic activity. *Rep. Rev. Events Smithsonian. Instn Cent. short-lived Phenom. 1973.*
- ANON. 1977: Webb Resources Inc. (to drill wildcats on Tonga). *Oil Gas J.* 75(34) : 54.
- ANON. 1979: Tonga Is region (M 6.6) 13 November (earthquakes, Nov. 1979). *SEAN Bull.* 4(11) : 21-22.
- ANON. 1979: Tonga islands eruptions and pumice rafts, South Pacific Ocean. (Abstr.) *EOS Trans. Am. geophys. Un.* 60(38) : 669.
- ANON. 1979: Volcanic events : Eruptions and pumice rafts (South Pacific Ocean); several Tonga arc volcanoes reported active; pumice continues westward drift. *SEAN Bull.* 4(6) : 2-4.
- ANON. 1979: Volcanic events : Pumice rafts (South Pacific Ocean); large areas of pumice sighted between the Tonga Is and Fiji Is. *SEAN Bull.* 4(5) : 2-3.
- ANON. 1980: The results of a reconnaissance survey into the energy potential and development prospects of wave energy reaching the blowholes areas along the south coast of Tongatapu, Kingdom of Tonga. Internal report to CCOP/SOPAC by Development Services, Crown Agents for Overseas Government and Administration, London.

- ANON. 1981: World energy developments, 1980. *Bull. Am. Ass. Petrol. Geol.* 65(10) : 2254-60.
- AUSTRALIAN GULF OIL CO. and AMPOL EXPLORATION LTD, 1969: Data pertaining to the geology of Tonga – Oil seepages. Rep. No. EP 41310. [Available on Open File, Tonga Govt, Nuku'alofa.]
- AVDEYKO, G.P.; BEZRUKOV, P.L.; MURDMAA, I.D.; PROKOPTSEV, N.G. 1972: [New data on the composition of volcanic rocks in the basement of the Tonga Island arc.] *Dokl. Akad. Nauk SSSR* 204(5) : 1232-35.
- AVDEYKO, G.P.; BEZRUKOV, P.L.; MURDMAA, I.D.; PROKOPTSEV, N.G. 1973: New data on the composition of volcanic basement rocks of the Tonga Island Arc. *Dokl. Acad. Sci. SSSR, Earth Sci. Sect.* 204(1-6) : 242-44.
- BACON, M.P.; EDMOND, J.M. 1972: Barium at Geosecs III in the Southwest Pacific. *Earth Planet. Sci. Lett.* 16(1) : 66-74.
- BAKER, P.E.; HARRIS, P.G.; REAY, A. 1970: Geology of Tofua Island, Tonga. (Abstr.) *Proc. geol. Soc. Lond.* 1663 : 164-65.
- BALAKINA, L.M.; KOGAN, S.Y.; POLIKARPOVA, L.A. 1980: [Seismic movement of deep-focus earthquakes at Fiji-Tonga region.] *Fiz. Zemli* 4 : 23-38.
- BALAKINA, L.M.; KOGAN, S.Y.; POLIKARPOVA, L.A. 1980: Seismic moments of the foci of the deep-focus earthquakes of the Fiji-Tonga region. *Phys. Solid Earth* 16(4) : 238-48.
- BALLANCE, P.F. 1975: Evolution of the India Pacific plate boundary in North Island, New Zealand. *Bull. Aust. Soc. explor. Geophys.* 6(2-3) : 58-59.
- BALLANCE, P.F.; PETTINGA, J.R.; WEBB, C. 1982: A model of the Cenozoic evolution of northern New Zealand and adjacent areas of the Southwest Pacific. In Packham, G.H. (ed.) "The Evolution of the India-Pacific Plate Boundaries". Third Southwest Pacific Earthscience Symposium, I.G.C.P. Project 110, Sydney, December 1979. *Tectonophysics* 87(1-4) : 37-48.
- BARAZANGI, M. 1971: Three studies of the structure and dynamics of the upper mantle adjacent to a descending lithospheric slab (Tonga Island Arc, Southwest Pacific and Great Basin, western U.S.). Unpubl. Ph.D. thesis, Columbia University, New York.
- BARAZANGI, M.; ISACKS, B. 1970: Lateral variations of seismic wave attenuation in the upper mantle above the inclined earthquake zone of the Tonga Island arc. (Abstr.) *EOS Trans. Am. geophys. Un.* 51(11) : 780.  
also in : *Gen. Assembly 15th Int. Un. Geod. Geophys.* 15 : 18 (1971).
- BARAZANGI, M.; ISACKS, B.; DUBOIS, J.; PASCAL, G. 1974: Seismic wave attenuation in the upper mantle beneath the southwest Pacific. *Tectonophysics* 24 : 1-12.
- BARAZANGI, M.; ISACKS, B.; OLIVER, J. 1970: Propagation of seismic waves through and beneath the lithosphere that descends under the Tonga Island Arc. (Abstr.) *Earthq. Notes* 41(4) : 15.  
also in : *Abstr. Prog. geol. Soc. Am.* 2(7) : 488-89.
- BARSDLEY, E. 1975: Preliminary bibliography of the geology and geophysics of Tonga. In Kroenke, L.W.; Barsdley, E. (eds) "Bibliography of Geology and Geophysics of the South Pacific". *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 1 : 82-91.
- BEAGLEY, J.W. 1953: Activities of New Zealand observatories at Christchurch, Apia and Campbell Island. *Proc. 7th Pacif. Sci. Congr.* 2 : 714-18.
- BECK, R.H. *et al.* 1975: New geophysical data on key problems of global tectonics. *Proc. Wld Petrol. Congr.* 9(2) : 3-17.
- BERTINE, K.K. 1974: Origin of the Lau Basin Rise sediment. *Geochim. cosmochim. Acta* 38(4) : 629-40.
- BERTINE, K.K.; KEENE, J.B. 1975: Submarine barite-opal rocks of hydrothermal origin. *Science, N.Y.* 188(4184) : 150-52.
- BEZRUKOV, P.L. 1973: On the sedimentation in the northern part of the South Pacific. Pp 217-19 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- BIBBY, H.M. 1981: Geodetically determined strain across the southern end of the Tonga-Kermadec-Hikurangi subduction zone. *Geophys. J. R. astr. Soc.* 66(3) : 513-33.



- BILLINGTON, S. 1980: The morphology and tectonics of the subducted lithosphere in the Tonga-Fiji-Kermadec region from seismicity and focal mechanism solutions. Unpubl. Ph.D. thesis, Cornell University, Ithaca, New York. 128 p.
- BILLINGTON, S.; ISACKS, B.L. 1974: Detailed structure of the deep earthquake zone in the Tonga island arc. (Abstr.) *EOS Trans. Am. geophys. Un.* 55(4) : 349.
- BILLINGTON, S.; ISACKS, B.L. 1976: Structural characteristics of subducted lithosphere in the Tonga arc. (Abstr.) *EOS Trans. Am. geophys. Un.* 57(4) : 283.
- BILLINGTON, S.; ISACKS, B.L. 1978: Configuration of the subducted slab in the Tonga-Fiji-Kermadec region and its tectonic implications. (Abstr.) *EOS Trans. Am. geophys. Un.* 59(4) : 381.
- BIRD, P. 1978: Stress and temperature in subduction shear zones : Tonga and Mariana. *Geophys. J. R. astr. Soc.* 55(2) : 411-34.
- BLOOM, A.L. 1974: Holocene sea level and tectonics in the Southwest Pacific. (Abstr.) *Abstr. Progm. geol. Soc. Am.* 6(7) : 658.
- BLOOM, A.L. 1980: Late Quaternary sea level change on South Pacific coasts : A study in tectonic diversity. Pp 505-16 in Moerner, N.A. (ed.) "Earth Rheology, Isostasy and Eustasy". Conference on Earth Rheology and Late Cenozoic Isostatic Movements, Stockholm, July-August 1977. John Wiley & Sons, U.K.
- BOCK, G. 1981: The effect of the descending lithosphere beneath the Tonga Island arc on P-wave travel-time residuals at the Warramunga seismic array. *Phys. Earth Planet. Interiors* 25(4) : 360-71.
- BOCK, G. 1983: Structure of the descending lithosphere beneath the Tonga Island arc. (Abstr.) *Progm. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 22.
- BOURROUILH, F.; HOANG, C.T. 1976: Uranium-thorium age of some corals from Tonga-tapu, Tonga Islands, SW Pacific. (Abstr.) P. 5 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- BROTHERS, R.N.; HEMING, R.F.; HAWKE, M.M.; DAVEY, F.J. 1980: Tholeiitic basalt from the Monowai Seamount, Tonga-Kermadec Ridge. *N.Z. J. Geol. Geophys.* 23(4) : 537-39.
- BRYAN, W.B. 1970: A new occurrence of Coral Sea drift pumice from Eua Island, Tonga. (Abstr.) *EOS Trans. Am. geophys. Un.* 51(4).
- BRYAN, W.B. 1971: Coral Sea drift pumice from Eua Island, Tonga. *Yb. Carnegie Instn Wash.* 69 : 258-59.
- BRYAN, W.B. 1979: Low K<sub>2</sub>O dacite from the Tonga-Kermadec Island Arc; petrography, chemistry, and petrogenesis. Pp 581-600 in Barker, P. "Trondhjemites, Dacites, and Related Rocks". Elsevier Scientific Publishing Co., The Netherlands.
- BRYAN, W.B.; STICE, G.D.; EWART, A. 1972: Geology, petrography, and geochemistry of the volcanic islands of Tonga. (Abstr.) *EOS Trans. Am. geophys. Un.* 51(4) : 443. also in : *J. geophys. Res.* 77(8) : 1566-85.
- BUCKINGHAM, E.M. 1929: Volcanic activity near Tonga. *Volc. Lett. Hawaii Volc. Res. Ass.* 210 : 1-4.
- BUKRY, D. 1973: Coccolith and silicoflagellate stratigraphy, Tasman Sea and Southwestern Pacific Ocean, DSDP, Leg 21. In Burns, R.E.; Andrews, J.E. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 885-93.
- BURNS, R.E.; ANDREWS, J.E. et al. 1973: "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 931 p.
- BURNS, R.E.; ANDREWS, J.E. et al. 1973: Site 203. In Burns, R.E.; Andrews, J.E. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 17-32.
- BURNS, R.E.; ANDREWS, J.E. et al. 1973: Site 204. In Burns, R.E.; Andrews, J.E. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 33-56.
- BURNS, R.E.; ANDREWS, J.E. et al. 1973: Site 205. In Burns, R.E.; Andrews, J.E. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 57-67.

- BURNS, R.E.; ANDREWS, J.E. 1973: Regional aspects of the Deep Sea Drilling in the Southwest Pacific. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 885-93.
- CAMPBELL, M.D.; MCKAY, G.R.; WILLIAMS, R.L. 1977: The Tonga earthquake of 23 June 1977 : some initial observations. *Bull. N.Z. Soc. Earthq. Engng* 10(4) : 208-18.
- CARTER, J.A. 1978: Pacific stress patterns and possible stress transmission. Unpubl. M.Sc. thesis, University of Hawaii, Honolulu.
- CARTER, J.A.; BERG, E. 1981: Relative stress variations as determined by b-values from earthquakes in Circum-Pacific subduction zones. *Tectonophysics* 76(3-4) : 257-71.
- CCOP/SOPAC TECHNICAL SECRETARIAT, 1981: The results of a reconnaissance survey into the energy potential and development prospects of wave energy reaching the blow-holes area along the south coast of Tongatapu, Kingdom of Tonga. *CCOP/SOPAC Tech. Rep. 11 and Proc. 9th Sess. CCOP/SOPAC* : 77.
- CHASE, C.G. 1971: Tectonic history of the Fiji Plateau. *Bull. geol. Soc. Am.* 82 : 3087-110.
- CHASE, T.E.; SEEKINS, B.A. 1983: Physiography of the Tonga region. Scale 4"/degree longitude. USGS-CCOP/SOPAC South Pacific Project.
- CHASE, T.E.; SEEKINS, B.A. 1983: Physiography of the Tonga region. Scale 16"/degree longitude. USGS-CCOP/SOPAC South Pacific Project.
- CHASE, T.E.; SEEKINS, B.A.; VATH, S.C.; CLOUD, M.A. 1982: Topography of the Tonga region. Scale 4"/degree longitude. Mercator Projection. USGS-CCOP/SOPAC South Pacific Project.
- CHASE, T.E.; SEEKINS, B.A.; VATH, S.C.; CLOUD, M.A. 1982: Topography of the Tonga region. Scale 16"/degree longitude. 3 sheets. Mercator Projection. USGS-CCOP/SOPAC South Pacific Project.
- CHEN, T.C.; FORSYTH, D.W. 1977: Elastic thickness of the oceanic lithosphere : A new constraint. (Abstr.) *EOS Trans. Am. geophys. Un.* 58(6) : 495.
- CHEN, T.C.; FORSYTH, D.W. 1978: A detailed study of two earthquakes seaward of the Tonga Trench : Implications for mechanical behaviour of the oceanic lithosphere. *J. geophys. Res.* 83(B10) : 4995-5003.
- CHEKIS, N.Z. 1980: Aeromagnetic investigations and sea floor spreading history in the Lau Basin and northern Fiji Plateau. In Symposium on "Petroleum Potential in Island Arcs, Small Ocean Basins, Submerged Margins and Related Areas", Suva, Fiji, September 1979. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 3 : 37-46.
- CHUNG, W.; KANAMORI, H. 1980: Variation of seismic source parameters and stress drops within a descending slab and its implications in plate mechanisms. *Phys. Earth Planet. Interiors* 23 : 134-59.
- CHURKIN, M.; PACKHAM, G.H. 1973: Volcanic rocks and volcanic constituents in sediments, Leg 21, Deep Sea Drilling Project. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 481-93.
- CLARIDGE, G.C.C. 1981: Economic potential of clay deposits in selected South Pacific countries. *CCOP/SOPAC Tech. Rep. 9 and Proc. 9th Sess. CCOP/SOPAC* : 78-86.
- CLARIDGE, G.C.C. 1983: Clay mineral trends in the South Pacific. (Abstr.) *Progr. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 44.
- CLARIDGE, G.C.C.; PERCIVAL, H.J. 1980: Clay for brick-making : A study of the suitability of the soils of the Pacific islands. *N.Z. Jl Sci.* 23(4) : 334-42.
- COLE, J.W.; LEWIS, K.B. 1981: Evolution of Taupo-Hikurangi subduction zone. *Tectonophysics* 72(1-2) : 1-21.
- COLEMAN, P.J.; PACKHAM, G.H. 1976: The Melanesian Borderlands and India-Pacific plates' boundary. *Earth Sci. Rev.* 12 : 197-233.
- COOPER, G.A.; FITCH, J.E. 1971: Eocene brachiopods from Eua, Tonga. *Prof. Pap. U.S. geol. Surv.* 640-F : 9 p.
- COWIE, J.D. 1980: Soils from andesitic tephra and their variability, Tongatapu, Kingdom of Tonga. *Aust. J. Soil Res.* 18(3) : 273-84.

- CRESSWELL, M.M. (ed.) 1978: Lau-Tonga : Reports from the Expedition of June-July 1977, sponsored by the Royal Society of New Zealand. *Bull. R. Soc. N.Z.* 17: 191-228.
- CRONAN, D.S. 1978: Regional geochemical reconnaissance survey for submarine metal-liferous sediments in the Southwestern Pacific Ocean - A preliminary note. *Trans. Instn Min. Metall.* 87: 1387-89.
- CRONAN, D.S. 1981: Metalliferous sediments in the CCOP/SOPAC region of the SW Pacific, with particular reference to geochemical exploration for the deposits. *CCOP/SOPAC Tech. Rep.* 17.
- CRONAN, D.S. 1981: Report on a visit to Tonga in regard to possible future offshore metalliferous sediments and regional marine geochemical work in the Tonga region. *CCOP/SOPAC Tech. Rep.* 20.
- CRONAN, D.S. 1983: Metalliferous sediments in the CCOP/SOPAC region of the SW Pacific, with particular reference to geochemical exploration for the deposits. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 4: 55 p.
- CRONAN, D.S.; GLASBY, G.P.; MOORBY, S.A.; THOMSON, J.; KNEDLER, K.E.; MCDOUGALL, J.C. 1982: A submarine hydrothermal manganese deposit from the South-west Pacific island arc. *Nature, Lond.* 298(5873): 456-58.
- CULLEN, D.J. 1967: Island arc development in the Southwest Pacific. *Tectonophysics* 4(2): 163-72.
- DANA, J.D. 1890: "Coral and Coral Islands". 3rd edition. Dodd, Mead & Co., New York. (Pp 341, 384).
- DANA, J.D. 1892: Geology of the Tonga or Friendly Islands. *Am. J. Sci.* 43(253-58): 243.
- DANDY, A.J.; MORRISON, R.J. 1980: Phosphate sorption isotherms of South Pacific soils. *N.Z. Jl Sci.* 23(4): 399-400.
- DAVEY, F.J. 1979: Volcanic activity of the Monowai Seamount during 1977-79. *N.Z. volc. Rec.* 9: 53-54.
- DAVEY, F.J. 1980: The Monowai Seamount : An active submarine volcanic centre on the Tonga-Kermadec Ridge. *N.Z. Jl Geol. Geophys.* 23(4): 533-56.
- DAVEY, F.J. 1982: The structure of the South Fiji Basin. In Packham, G.H. (ed.) "The Evolution of the India Pacific Plate Boundaries". Third Southwest Pacific Earthscience Symposium, I.G.C.P. Project 110, Sydney, December 1979. *Tectonophysics* 87(1-4): 185-241.
- DAVIS, W.M. 1928: The coral reef problem. *Spec. Publs Am. geogr. Soc.* 9: 1-596.
- DE CAEN, R.F.B. 1969: The geology of 'Eua and Tongatapu Islands. B.P. Oil Exploration Company, New Zealand, BP Rep. OC6395. (Unpubl. Rep.) Open File, Tonga Govt. Petrol. Rep. 6.
- DECOURT, H.; JAMET, F.; RECY, J. 1977: [Sea floor samplings east of Tonga Trench, EVA III cruise, April/May 1977.] Prelim. Rep. CNEXO-ORSTOM, Noumea. (Unpubl.)
- DICKINSON, W.R. 1973: Widths of modern arc-trench gaps proportional to past duration of igneous activity in associated magmatic arcs. *J. geophys. Res.* 78(17): 3376-89.
- DUBOIS, J.P.; DUPONT, J.; LAPOUILLE, A.; RECY, J. 1976: Lithospheric bulge and thickening of the lithosphere with age. Examples in the SW Pacific. Pp 371-80 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- DUBOIS, J.; LAUNAY, J.; RECY, J. 1975: Lithospheric bulges close to island arcs. (Abstr.) *Proc. 15th Pacif. Sci. Congr., Vancouver* 13(1): 399.
- DUBOIS, J.; LAUNAY, J.; RECY, J. 1975: Some new evidence on lithospheric bulges close to island arcs. *Tectonophysics* 26(3-4): 189-96.
- DUMITRICA, P. 1973: Phaeodarian Radiolaria in Southwest Pacific sediments cored during Leg 21 of the Deep Sea Drilling Project. In Burns, R.E.; Andrews, J.E. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office): 751-85.
- DUMITRICA, P. 1973: Paleocene, Late Oligocene and Post-Oligocene silicoflagellates in Southwestern Pacific sediments cored on DSDP Leg 21. In Burns, R.E.; Andrews, J.E. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office): 837-83.

- DUPONT, J. 1979: Le système d'arc insulaire de Tonga et Kermadec : deux morphologies différentes, une seule zone de subduction. [The Tonga and Kermadec island arc system : Two different morphologies, one single subduction zone.] *C. r. hebdomadaire des Séances de l'Académie des Sciences Paris, Série D* 289(3) : 245-48.
- DUPONT, J. 1982: Le cadre général et les traits essentiels de l'arc insulaire des Tonga-Kermadec. [General background and main features of the Tonga-Kermadec island arc.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 249-62.
- DUPONT, J. 1982: Morphologie et structures superficielles de l'arc insulaire des Tonga-Kermadec. [Morphology and superficial structures of the Tonga-Kermadec island arc.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 263-82.
- DUPONT, J.; LOUAT, R. *et al.* 1980: Structure de l'arc Tonga. [Structure of the Tonga arc.] (Abstr.) *Proc. 26th Int. Geol. Congr., Paris 26(2)* : 719.
- DUPONT, J.; LOUAT, R.; PONTOISE, B.; MISSEGUE, F.; LATHAM, G.V.; MALAHOFF, A. 1982: Aperçu morphologique, structural et sismologique de l'arc insulaire des Tonga-Kermadec. [Morphological, structural and seismological survey of the Tonga-Kermadec island arc.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 319-24.
- EADE, J.V. 1971: Oceanographic observations undertaken on board HMNZS *Endeavour* 28 August to 8 October 1969. *Bull. R. Soc. N.Z.* 8 : 121-24.
- EADE, J.V. 1973: Geographical distribution of living planktonic Foraminifera in the Southwest Pacific. Pp 749-57 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- EADE, J.V. 1974: Distribution of planktonic Foraminifera in the SW Pacific and factors controlling their distribution in sediments. (Abstr.) In Third Planktonic Conference "Marine Plankton and Sediments", ICSU, UNESCO, Paris.
- EADE, J.V. 1977: Cruise report : Tonga offshore survey, 17 September-2 October 1977. *CCOP/SOPAC Proj. Rep. 12*.
- EADE, J.V. 1980: Cruise report TG-78-2 : Tonga offshore survey. *CCOP/SOPAC Proj. Rep. 17 and Proc. 8th Sess. CCOP/SOPAC* : 92, 96-97.
- EADE, J.V.; KITIKEAHO, F.; SOAKAI, S. 1979: Sand survey of the beaches of Tongatapu. *Proc. 7th Sess. CCOP/SOPAC* : 67.
- EADE, J.V.; TONGILAVA, S.; LEWIS, K.B. 1979: Near-shore surveys off Tongatapu, Tonga, for precious corals and sand, 7-17 June 1978. *CCOP/SOPAC Proj. Rep. 15 and Proc. 7th Sess. CCOP/SOPAC* : 67.
- EDWARDS, A.R. 1973: Calcareous nannofossils from the Southwest Pacific, DSDP, Leg 21. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 641-91.
- EDWARDS, P.B. 1972: Some temporal and spatial aspects of the seismicity of the Fiji-Tonga-Kermadec region. (Abstr.) *Abstr. Progr. geol. Soc. Am.* 4(3) : 153.
- EISSLER, H.K.; KANAMORI, H. 1979: A large normal-fault earthquake at the junction of Louisville Ridge and the Tonga Trench and its geophysical implications. (Abstr.) *EOS Trans. Am. geophys. Un.* 60(46) : 878.
- EWART, A. 1976: A petrological study of the younger Tongan andesites and dacites, and the olivine tholeiites at Niua Fo'ou Island, S.W. Pacific. *Contr. Miner. Petrol.* 58(1) : 1-21.
- EWART, A.; BROTHERS, R.N.; MANTEEN, A. 1977: An outline of the geology and geochemistry, and the possible petrogenetic evolution of the volcanic rocks of the Tonga-Kermadec-New Zealand island arc. *J. Volc. geotherm. Res.* 2(3) : 205-50.
- EWART, A.; BRYAN, W.B. 1971: Geology, petrography and geochemistry of the volcanic islands of Tonga. (Abstr.) *Proc. 12th Pacif. Sci. Congr., Canberra 12(1)* : 454.
- EWART, A.; BRYAN, W.B. 1973: The petrology and geochemistry of the Tongan islands. Pp 503-22 in Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.

- EWART, A.; MANTEEN, A.; BROTHERS, R.N. 1976: Mineralogical and chemical evolution of the Tonga-Kermadec-New Zealand island arc. (Abstr.) *Proc. 25th Int. Geol. Congr., Sydney 25, 1(2)* : 50-51.
- EWING, M.; HOUTZ, R.; EWING, J. 1969: South Pacific sediment distribution. *J. geophys. Res.* 74(10) : 2477-93.
- FEIN, C.D. 1971: Some trace elements in lavas from the Lau Islands, Tofua, Tonga, and Tutuila, American Samoa. Unpubl. Ph.D. thesis, University of Hawaii, Honolulu. 47 p.
- FEIN, C.D. 1971: Geochemical variations across an island arc. (Abstr.) *Abstr. Progm. geol. Soc. Am.* 3(7) : 563.
- FITCH, T.J. 1975: Compressional velocity in source regions of deep earthquakes : An application of the master earthquake technique. *Earth Planet. Sci. Lett.* 26 : 156-66.
- FITCH, T.J. 1977: In situ P-wave velocities in deep earthquake zones of the SW Pacific : Evidence for a phase boundary between the upper and lower mantle. Pp 123-36 in Talwani, M.; Pitman, W.C. (eds) "Island Arcs, Deep Sea Trenches, and Back-arc Basins". Maurice Ewing Series 1. American Geophysical Union, Washington. 470 p.
- FLEMING, H.; FEDEN, R.; VOGT, P.; MALAHOFF, A. 1976: Aeromagnetic surveys over the Tonga-Kermadec subduction zone, Lau-Havre inter-arc basins and Louisville Ridge. In International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris 413 p.
- FOUHY, E.; THOMPSON, R.M.C. 1980: Selected list of bibliographies of South Pacific Islands. *Misc. Publs N.Z. oceanogr. Inst.* 91 : 30 p.
- FROHLICH, C.A. 1976: I. Upper mantle structure beneath the Fiji Plateau : Seismic observations of second P-arrivals from the olivine spinel phase transition zone. II. Strainmeter and tiltmeter measurements from the Tonga island arc. III. The case for four-component strainmeters. Unpubl. Ph.D. thesis, Cornell University, Ithaca, New York. 186 p.
- FROHLICH, C.; BARAZANGI, M. 1977: Velocity anomalies in the upper mantle; residuals from short-period P, S, and core reflection phases of Tongan deep earthquakes. (Abstr.) *EOS Trans. Am. geophys. Un.* 58(12) : -186.
- FROHLICH, C.; MAJOR, M.W. 1974: Four-component strainmeter measurements from the Tonga island arc. (Abstr.) *EOS Trans. Am. geophys. Un.* 55(4) : 427.
- FROHLICH, C.; MAJOR, M.W.; ISACKS, B.L. 1975: Strainmeter and tiltmeter measurements from the Tongan island arc. *Bull. seism. Soc. Am.* 65(3) : 563-79.
- GAUSS, G.A. 1980: Report of Tongatapu sand inventory, 22-28 November 1979. *CCOP/SOPAC Proj. Rep. 30 and Proc. 9th Sess. CCOP/SOPAC* : 75.
- GAUSS, G.A. 1981: Cruise report : Tonga offshore survey, TG-79(1), 1-17 November 1979. *CCOP/SOPAC Proj. Rep. 35 and Proc. 9th Sess. CCOP/SOPAC* : 76.
- GAUSS, G.A. 1981: Cruise report : Nuku'alofa lagoon survey, Tongatapu, Kingdom of Tonga, TG-80(2). *CCOP/SOPAC Proj. Rep. 33 and Proc. 9th Sess. CCOP/SOPAC* : 76.
- GAUSS, G.A.; CARTER, R. 1982: Cruise report : Tongatapu sand inventory - Investigation of intertidal and shallow water areas, north coast Tongatapu, 11-23 September 1982. *CCOP/SOPAC Cruise Rep.* 68.
- GAUSS, G.A.; EADE, J.V.; LEWIS, K.B. 1983: Geophysical and sea bed sampling surveys for constructional sand in Nuku'alofa lagoon, Tongatapu, Kingdom of Tonga. *S. Pacif. mar. geol. Notes* 2(10) : 155-84.
- GELLER, R.J.; OKAL, E.A. 1977: Body wave synthetics for the 1967 Tonga and 1970 Colombian earthquakes using normal modes. (Abstr.) *EOS Trans. Am. geophys. Un.* 58(6) : 440.
- GIBBS, H.S. 1971: Soils of Tonga. (Abstr.) *Proc. 12th Pacif. Sci. Congr., Canberra 12(1)* : 8.
- GIBBS, H.S. 1976: Soils of Tongatapu, Tonga. *N.Z. Soil Surv. Rep.* 35.
- GIBOWICZ, S.J.; LATTER, J.H.; SUTTON, C.K. 1974: Earthquake swarm associated with volcanic eruptions, Curacoa Reef area, northern Tonga, July 1973. *Ann. Geofis.* 27(3-4) : 443-75.

- GILL, J.B. 1974: Inter-arc basin and remnant arc volcanism. (Abstr.) *EOS Trans. Am. geophys. Un.* 55(4) : 475.
- GILL, J.B. 1975: Remnant arc and inter-arc basin volcanism; Lau Ridge and Basin, S.W. Pacific. *Proc. 13th Pacif. Sci. Congr., Vancouver 13(1)* : 401.
- GILL, J.B. 1976: Composition and age of Lau Basin and ridge volcanic rocks; Implications for evolution of an inter-arc basin and remnant arc. *Bull. geol. Soc. Am.* 87(10) : 1384-95.
- GILL, J.B. 1978: Composition and age of Lau Basin and Ridge volcanic rocks : Implications for evolution of an inter-arc basin and remnant arc : Discussion and reply - Reply. *Bull. geol. Soc. Am.* 89(7) : 1119-20.
- GILL, J.; GORTON, M. 1973: A proposed geological and geochemical history of eastern Melanesia. Pp 543-66 in Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- GILMOUR, A.E. 1973: Temperature observations in the Tonga-Kermadec Trench. Pp 24-34 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- GNIBIDENKO, H.S.; ANOSOV, G.I.; ARGENTOV, V.V. 1983: Tectonics of the triple junction zone between the Tonga and Kermadec trenches and the Ozburn Seamount chain. (Abstr.) *Progm. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 83.
- GREEN, D.; CULLEN, D.J. 1973: A tectonic evolution of the Fiji region. Pp 127-46 in Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- GROVER, J.C. 1968: Excerpts from a published report on the occurrence of crude oil in the Kingdom of Tonga. (Unpubl. Rep.) Open File, Tonga Govt. Petrol. Rep. 2.
- HALUNEN, A.J. 1978: Mineral resources in the Southwest Pacific. *Bull. Am. Ass. Petrol. Geol.* 62(7) : 1219.
- HALUNEN, A.J. 1981: Cruise report : Tonga offshore survey TG-80(1), 14 January-4 February 1980. *CCOP/SOPAC Proj. Rep. 32* and *Proc. 9th Sess. CCOP/SOPAC* : 76.
- HANUS, V.; VANEK, J. 1978: Tonga-Lau system : Deep collision of subducted lithospheric plates. *J. Geophys.* 44(5) : 473-80.
- HANUS, V.; VANEK, J. 1978: Structure of the Wadati-Benioff Zone in the Tonga region. *Cas. Miner. Geol.* 23(1) : 5-23.
- HANUS, V.; VANEK, J. 1979: Time sequence of volcanism and subduction in the Tonga island arc. *Cas. Miner. Geol.* 24(2) : 155-64.
- HANUS, V.; VANEK, J. 1979: Morphology and volcanism of the Wadati-Benioff Zone in the Tonga-Kermadec system of recent subduction. *N.Z. Jl Geol. Geophys.* 22(6) : 659-71.
- HANUS, V.; VANEK, J. 1979: Northern part of the Tonga region; a complicated subduction closure. *J. Geophys.* 46(4) : 385-95.
- HANUS, V.; VANEK, J. 1979: Plate tectonic interpretation of deep earthquakes between the Tonga-Lau and New Hebrides subduction zones. *Tectonophysics* 75(3-4) : 19-28.
- HARKER, A. 1891: Rocks from the Tonga islands. *Geol. Mag.* 8 : 250-58.
- HARKER, A. 1891: Uralitised gabbro from Eua, Tonga islands. *Geol. Mag.* 8 : 172-250.
- HARRINGTON, H.J. 1976: Tectonics of the Pacific Basin and the Circum-Pacific Rim : An annotated bibliography for the interval 1967-1975. The University of New England, Armidale. 202 p.
- HART, P.B.S.; WIDDOWSON, J.P.; FA'ANUNU, H.O. 1981: Fertility evaluation of some soils in Vavolu, Tonga. *N.Z. Soil Bur. scient. Rep.* 47 : 30 p.
- HATHERTON, T. 1971: Shallow earthquake and rock composition. *Nature Phys. Sci.* 229(4) : 119-20.
- HAWKINS, J.W. 1974: Geology of the Lau Basin : A marginal sea behind the Tonga arc. Pp 505-20 in Burk, C.A.; Drake, C.L. (eds) "The Geology of Continental Margins". Springer-Verlag, New York.
- HAWKINS, J.W. 1974: Petrology of a differentiated alkalic rock series from a seamount near the Tonga Trench. (Abstr.) *Abstr. Progm. geol. Soc. Am.* 6(3) : 189.

- HAWKINS, J.W. 1976: Petrology of Lau Basin basalts : Oceanic crusts of a marginal basin. (Abstr.) *EOS Trans. Am. geophys. Un.* 57(5) : 410.
- HAWKINS, J.W. 1976: Petrology and geochemistry of basaltic rocks of the Lau Basin. *Earth Planet. Sci. Lett.* 28(3) : 283-97.
- HAWKINS, J.W. 1976: Tectonic setting and petrology of Samoa-Tonga-Fiji region. In Glasby, G.P.; Katz, H.R. (eds) "Marine Geological Investigations in the Southwest Pacific and Adjacent Areas". Papers presented at the I.D.O.E. Workshop, Suva, Fiji, September 1975. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 2 : 141-52.
- HAWKINS, J.W. 1977: Petrologic and geochemical characteristics of marginal basin basalts. Pp 355-65 in Talwani, M.; Pitman, W.C. (eds) "Island Arcs, Deep Sea Trenches, and Back-arc Basins". Maurice Ewing Series 1. American Geophysical Union, Washington. 470 p.
- HAWKINS, J.W. 1980: Petrology of back-arc basins and island arcs. Their possible role in the origin of ophiolites. Pp 244-54 in "Ophiolites". Proceedings of the International Ophiolite Symposium, Cyprus 1979. Geological Survey Department, Cyprus.
- HAWKINS, J.M.; NATLAND, J.H. 1975: Nephelinites and basanites of the Samoan linear volcanic chain - their possible tectonic significance. *Earth Planet. Sci. Lett.* 24 : 427-39.
- HAZEL, J.E.; HOLDEN, J.C. 1971: Ostracoda of Late Eocene age from Eua, Tonga. *Prof. Pap. U.S. geol. Surv.* 640-D : 11 p.
- HILDE, T.; FISHER, R.L. 1979: Graben structure and axial zone tectonics of Tonga Trench, Southwest Pacific. (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys., Canberra* 17(5) : 18.
- HILL, P.J.; KITIKI' AHO, F.; SOAKAI, S. 1979: Black coral in Tongan waters. *CCOP/SOPAC Proj. Rep. 16 and Proc. 7th Sess. CCOP/SOPAC* : 68.
- HOCHSTEIN, M.P.; SCHOFIELD, J.C.; SHOR, G.G. 1974: Tonga-Kermadec-Lau. In "Mesozoic-Cenozoic Orogenic Belts : Data for orogenic studies; Circum-Pacific and Caribbean Orogens". *Spec. Publs geol. Soc. Lond.* 4 : 417-23.
- HUNT, B. 1979: An analysis of the groundwater resources of Tongatapu Island, Kingdom of Tonga. *J. Hydrol.* 40(1-2) : 185-96.
- HUPPERT, L.N. 1980: The P-velocity near the Tonga Benioff Zone determined from traced rays and observations. Unpubl. M.Sc. thesis, State University of New York, Binghamton, New York.
- HUPPERT, L.; FRÖHLICH, C. 1979: Effect of the subducting lithosphere on short period P arrivals travelling along the strike of the Tonga island arc. (Abstr.) *EOS Trans. Am. geophys. Un.* 60(18) : 318.
- HUPPERT, L.N.; FRÖHLICH, C. 1981: The P velocity within the Tonga Benioff Zone determined from traced rays and observations. *J. geophys. Res.* 86(B5) : 3771-82.
- IONIN, A.S.; MEDVEDEV, J.S. 1980: [Characteristics of the formation and development of reef-type structures in the western group of Melanesia.] *Trudy Inst. Okeanol.* 90 : 77-116.
- ISACKS, B.L. 1968: Unusual phases from nearby earthquakes recorded by a new station in Tonga. (Abstr.) *Spec. Pap. geol. Soc. Am.* 101 : 315.
- ISACKS, B.L.; BARAZANGI, M. 1977: Geometry of Benioff Zones : Lateral segmentation and downwards bending of the subducted lithosphere. Pp 99-114 in Talwani, M.; Pitman, W.C. (eds) "Island Arcs, Deep Sea Trenches, and Back-arc Basins". Maurice Ewing Series 1. American Geophysical Union, Washington. 470 p.
- ISACKS, B.L.; BILLINGTON, S. 1975: Fault planes associated with deep earthquakes in the Tonga-Fiji region. (Abstr.) *EOS Trans. Am. geophys. Un.* 56(6) : 393.
- ISACKS, B.L.; MOLNAR, P. 1971: Distribution of stresses in descending lithosphere from a global survey of focal mechanism solution on mantle earthquakes. *Rev. Geophys. Space Phys.* 9(1) : 103-73.
- ISACKS, B.L.; OLIVER, J.; SYKES, L.R. 1968: Seismology and the new global tectonics. *J. geophys. Res.* 73(18) : 5855-99.
- ISACKS, B.L.; SYKES, L.R.; OLIVER, J. 1968: Distribution in time of small deep and shallow earthquakes in the Fiji-Tonga region. (Abstr.) *Spec. Pap. geol. Soc. Am.* 101 : 315.

- JAGGER, T.A. 1928: New Zealand-Tonga volcanoes. *Volc. Lett. Hawaii Volc. Res. Ass.* 158.
- JOHNSON, T.; MOLNAR, P. 1972: Focal mechanisms and plate tectonics of the Southwest Pacific. *J. geophys. Res.* 77(26) : 5000-32.
- JOHNSTONE, R.D. 1978: Ata, the most southerly volcanic island in Tonga. *Bull. R. Soc. N.Z.* 17 : 153-64.
- JONES, G.M.; HILDE, T.W.C.; SHARMAN, G.F.; AGNEW, D.C. 1978: Fault patterns in outer trench walls and their tectonic significance. *J. Phys. Earth, Suppl.* 26 : 85-101.
- JULIAN, B.R. 1970: Seismic investigation of descending lithospheric slabs. (Abstr.) *EOS Trans. Am. geophys. Un.* 51(11) : 780.
- KADYSHEVICH, Y.A.; LYUBOVTSOVA, Y.S.; PAVLOV, V.M. 1974: Hydro-optical studies in the Tonga Trench. *Atmos. Oceanic Phys.* 10(1) : 19-22.
- KADYSHEVICH, Y.A.; PAVLOV, V.M.; LYUBOVTSOVA, Y.S. 1974: Hydro-optical studies in the Tonga deep-water gutter. *Izv. Akad. Nauk SSSR, Fiz. Atmos.* 10(1) : 36-43.
- KAILA, K.L.; KRISHNA, V.G. 1979: Upper mantle velocity structure in the Tonga-Kermadec island arc region. In Uyeda, S.; Murphy, R.W.; Kobayashi, K. (eds) "Geodynamics of the Western Pacific". Proceedings of the International Conference on Geodynamics of the Western Pacific - Indonesian Region, March 1978, Tokyo. *Adv. Earth Planet. Sci.* 6 : 155-80.
- KARIG, D.E.; SHARMAN, G. 1975: Subduction and accretion in trenches. *Bull. geol. Soc. Am.* 86 : 377-89.
- KATZ, H.R. 1974: Margins of the Southwest Pacific. Pp 549-65 in Burk, C.A.; Drake, C.L. (eds) "The Geology of Continental Margins". Springer-Verlag, New York.
- KATZ, H.R. 1976: Sediments and tectonic history of the Tonga Ridge and the problem of the Lau Basin. In Glasby, G.P.; Katz, H.R. (eds) "Marine Geological Investigations in the Southwest Pacific and Adjacent Areas". Papers presented at the I.D.O.E. Workshop, Suva, Fiji, September 1975. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 2 : 153-65.
- KATZ, H.R. 1977: The Lau Basin : A collapse structure between rising island arcs. Pp 165-66 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- KATZ, H.R. 1979: Developments in New Zealand and Southwest Pacific island region in 1978. *Bull. Am. Ass. Petrol. Geol.* 63(10) : 1680-88.
- KATZ, H.R. 1979: Petroleum exploration in Tonga. (Abstr.) *Proc. 7th Sess. CCOP/SOPAC* : 63.
- KATZ, H.R. 1980: Developments in New Zealand and Southwest Pacific island region in 1979. *Bull. Am. Ass. Petrol. Geol.* 64(11) : 1776-84.
- KATZ, H.R.; GILL, J.B. 1978: Composition and age of Lau Basin and Ridge volcanic rocks; implications for evolution of an inter-arc basin and remnant arc. Discussion and reply. *Bull. geol. Soc. Am.* 89(7)j : 1118-20.
- KENNEDY, T.F. 1957: "Geography of Tonga". Government Printer, Nuku'alofa.
- KENNETT, J.P. 1973: Middle and Late Cenozoic planktonic foraminiferal biostratigraphy of the Southwest Pacific - DSDP Leg 21. In Burns, R.E.; Andrews, J.E. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 575-639.
- KENNETT, J.P. 1980: Surface ultrastructural variation in *Neogloboquadrina pachyderma* (Ehrenberg); phenotypic variation and phylogeny in the late Cenozoic. *Cushman Fdn Spec. Publ.* 19 : 134-62.
- KLEINPELL, R.M. 1954: Neogene smaller Foraminifera from Lau, Fiji. *Bull. Bernice P. Bishop Mus.* 211 : 95 p.
- KLEINSMIEDE, W.F.J. 1968: Petroleum prospects of the Tongan platform. Shell Development (Australia) Pty Ltd Rep. 92. (Unpubl. Rep.) Open File, Tonga Govt. Petrol. Rep. 1.
- KOGAN, S.Y.; POLIKARPOVA, L.A. 1977: A study of the spectra of P waves from deep-focus Fiji-Tonga earthquakes. *Phys. Solid Earth* 12(6) : 407-14.  
also in : *Fiz. Zemli* 6 : 88-98.



- KREBS, W. 1975: Formation of SW Pacific island arc trench and mountain systems : Plate or global vertical tectonics. *Bull. Am. Ass. Petrol. Geol.* 59 : 1639–66.
- KROENKE, L.W.; TONGILAVA, S.L. 1975: A structural interpretation of two reflection profiles across the Tonga arc. *S. Pacif. mar. geol. Notes* 1(2) : 9–15.
- KROENKE, L.W.; JOUANNIC, C.; WOODWARD, P. (comps) 1983: Bathymetry of the Southwest Pacific. Chart 1 of the Geophysical Atlas of the Southwest Pacific. Scale 1:6,442,192 at 0°. 2 sheets. Mercator Projection. CCOP/SOPAC.
- LACROIX, A. 1927: La constitution lithologique des volcans du Pacifique central austral. *C. r. hebd. Séanc. Acad. Sci., Paris* 185 : 425–28.
- LANDMESSER, C.W.; KROENKE, L.W. 1976: Cruise report : Tonga offshore survey, 22 April–12 May 1976. *CCOP/SOPAC Proj. Rep.* 3.
- LANDS AND SURVEY, New Zealand 1978: Tonga. Pp 23–24, pl. 12 in “Atlas of the South Pacific”. Government Printer, Wellington.
- LARUE, B.M.; PONTOISE, B.; MALAHOFF, A.; LAPOUILLE, A.; LATHAM, G.V. 1982: Bassins marginaux actifs du Sud-Ouest Pacifique : Plateau Nord-Fidjien, bassin de Lau. [Active marginal basins of the Southwest Pacific : North Fiji Basin, Lau Basin.] In Equipe Géologie-Géophysique ORSTOM Nouméa “Contribution à l'étude géodynamique du Sud-Ouest Pacifique”. *Trav. Doc. ORSTOM* 147 : 363–406.
- LATTER, J.H. 1976: Variations in stress release preceding and accompanying a submarine eruption in northern Tonga. Pp 355–73 in Johnston, R.W. (ed.) “Volcanism in Australasia”. Elsevier, Amsterdam.
- LATTER, J.H. 1978: Submarine eruption south of Tonga. *N.Z. volc. Rec.* 7 : 61 p.
- LAWVER, L.W.; HAWKINS, J.W. 1978: Diffuse magnetic anomalies in marginal basins, their possible tectonics and petrologic significance. *Tectonophysics* 45(4) : 323–39.
- LAWVER, L.A.; HAWKINS, J.A.; SCLATER, J.G. 1976: Magnetic anomalies and crustal dilation in the Lau Basin. *Earth Planet. Sci. Lett.* 33 : 27–35.
- LEE, R.; WIDDOWSON, J.P. 1977: The potassium status of some representative soils from the Kingdom of Tonga. *Trop. Agric.* 54(3) : 251–63.
- LE GAY BRERETON, J. 1969: Photogeological study of the Tongan archipelago. Shell Development Australia Rep. 97. (Unpubl. Rep.) Open File, Tongan Govt. Petrol. Rep. 4.
- LE PICHON, X.; FRANCHETEAU, J.; BONNIN, J. 1973: “Plate Tectonics”. Elsevier, Amsterdam. 300 p.
- LOUAT, R.; DUPONT, J. 1982: Sismicite de l'arc des Tonga-Kermadec. [Seismicity of the Tonga-Kermadec island arc.] In Equipe Géologie-Géophysique ORSTOM Nouméa “Contribution à l'étude géodynamique du Sud-Ouest Pacifique”. *Trav. Doc. ORSTOM* 147 : 299– 318.
- MCIVER, R.D. 1973: Low residual gas contents of four Leg 21 canned sediment samples. In Burns, R.E.; Andrews, J.E. *et al.* “Initial Reports of the Deep Sea Drilling Project, Volume 21”. Washington. (U.S. Government Printing Office) : 723–50.
- MCKENZIE, D. 1976: The orientation of the stress axes within sinking slabs. *Earth Planet. Sci. Lett.* 31(2) : 305–7.
- MCKENZIE, K. 1981: Studies of ostracods and other fauna in the Southwest Pacific. *CCOP/SOPAC Tech. Rep.* 16.
- MCKERROW, W.C. 1929: Archaeology of Tonga. *Bull. Bernice P. Bishop Mus.* 60.
- MALAHOFF, A.; FEDEN, R.H.; FLEMING, H.F. 1977: Crustal extension processes in the Havre Trough, South Fiji and New Caledonia Basins. (Abstr.) *EOS Trans. Am. geophys. Un.* 58(6) : 379.
- MALAHOFF, A.; FEDEN, R.H.; FLEMING, H.S. 1982: Magentic anomalies and tectonic fabric or marginal basins north of New Zealand. *J. geophys. Res.* 87(B5) : 4109–25.
- MAMMERICKX, J.; CHASE, T.E.; SMITH, S.M.; TAYLOR, I.L. 1974: Bathymetry of the South Pacific. Chart 12 (revised). Scripps Institution of Oceanography, La Jolla.
- MANSFIELD, W.C. 1926: Fossils from quarries near Suva, Viti Levu, Fiji Islands, and from Vavao, Tonga Islands, with annotated bibliography of the geology of the Fiji Islands. *Publs Carnegie Instn* 344 : 85–104.

- MASTERS, G.; GILBERT, P. 1981: Structure of the inner core inferred from observations of its spheroidal shear modes. *Geophys. Res. Lett.* 8(6) : 569-71.
- MATTI, J.C.; ZEMMELS, I.; COOK, H.E. 1973: Mineralogy and mineralogic trends in sediments from the Tasman and Coral Seas, Leg 21, Deep Sea Drilling Project. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 723-50.
- MAUNG, T.U. 1981: Assessment of petroleum potential in the southern and northern parts of the Tonga platform. *CCOP/SOPAC Tech. Rep.* 18.
- MAUNG, T.U.; ANSCOMBE, K.; TONGILAVA, L. 1982: Petroleum potential of southern part of Tonga platform. (Abstr.) *Prog. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 46.  
also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 986.
- MAUNG, T.U.; SCHOLL, D.W. 1982: CCOP/SOPAC Tripartite cruise report : R/V S.P. Lee Leg 1 — Multichannel seismic survey, sonobuoy refraction survey and dredging of the southern part of the Tonga Platform. *CCOP/SOPAC Cruise Rep.* 72.
- MEDVEDEV, U.S.; IONIN, A.S. 1980: [Lithological-geomorphological research on the islands of Tonga.] In "Biological and Geological Research on the Island Regions of the Western Part of the Pacific Ocean". *Trudy Inst. Okeanol.* 90 : 176-97.
- MELSON, W.G. 1976: Geological expedition to the volcanic islands of Tonga. *Res. Pap. Natn geogr. Soc.* 9 : 237-45.
- MEYLAN, M.A.; GLASBY, G.P.; KRUMBALIK, S.C. 1982: Lithology, colour, mineralogy and geochemistry of marine sediments from the Southwestern Pacific and Samoan Basins. *N.Z. Jl Geol. Geophys.* 25 : 437-58.
- MILLER, A.K. 1941: An *Aturia* from the Tongan islands. *J. Paleont.* 15(9) : 929-31.
- MILSON, J.S. 1970: The evolution of the Lau Ridge, Fiji Islands. *Earth Planet. Sci. Lett.* 8 : 258-60.
- MISSEUGE, F.; MALAHOFF, A. 1982: Etude gravimetrique de l'arc des Tonga. [Gravimetric study of the Tonga island arc.] In Equipe Geologie-Geophysique ORSTOM Noumea "Contribution a l'etude geodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM* 147 : 293-98.
- MITRONOVAS, W. 1969: Seismic velocity anomalies in the upper mantle beneath the Tonga-Kermadec island arc. Unpubl. Ph.D. thesis, Columbia University, New York.
- MITRONOVAS, W. 1971: Seismicity, seismic-wave propagation and volcanism in the Tonga island arc. (Abstr.) In Symposium on "Volcanism and Upper Mantle Earthquakes". *Gen. Assembly 15th int. Un. Geod. Geophys.* 15 : 24.
- MITRONOVAS, W.; ISACKS, B. 1969: Seismic velocity anomaly in the upper mantle beneath the Tonga-Kermadec arc. (Abstr.) *EOS Trans. Am. geophys. Un.* 50(4) : 246.
- MOLNAR, P. 1971: Movement, magnitudes, source dimensions, and stresses of shallow-focus earthquakes in the Tonga-Kermadec arc. (Abstr.) In Symposium on "Distribution of Stresses within the Earth, Slow Deformation, Mechanism of Earthquakes. *Gen. Assembly 15th int. Un. Geod. Geophys.* 15 : 42.
- MOLNAR, P.; WYSS, M. 1972: Moments, source dimensions and stress drops of shallow-focus earthquakes in the Tonga-Kermadec arc. *Phys. Earth Planet. Interior* 6(4) : 263-78.
- MONAHAN, D.; FALCONER, R.H.K.; THARP, M. (scient. co-ord.) 1982: General Bathymetric Chart of the Oceans (GEBCO). 5th Edition, Sheet 5.10. Scale 1:10,000,000 at 0°. Mercator Projection. IHO/IOC.
- MULDER, C.J.; NIOUWENHUIZEN, C.V.D. 1971: Appraisal of the Tonga concession and recommendations for future work. Bataafse Internationale Petroleum Maatschappij N.V. Rep. EP-42347. (Unpubl. Rep.) Open File, Tonga Govt. Petrol. Rep. 15. [includes paleontological data sheets, offshore seismic sections.]
- MURAV'YEV, V.I. 1974: Formation of clays in oceanic sediments of the southwestern part of the Pacific Ocean. *Lithol. Polez. Iskop.* 4 : 24-38.
- NATHAN, S. 1977: Observations in the Kermadecs on the effects of large earthquakes in Tonga. In Beatus, S.N. (ed.) "Volcano and Geothermal Observations, 1976". *N.Z. volc. Rec.* 6 : 43-44.

- NATLAND, J.H. 1974: Geology and tectonics of the Fagaloa Shield volcano, island or Upolu, Western Samoa; plate bending, faulting, and possible shear melting north of the Tonga Trench. (Abstr.) *Abstr. Progr. geol. Soc. Am.* 6(3) : 226.
- NATLAND, J.H. 1980: The progression of volcanism in the Samoan linear volcanic chain. *Am. J. Sci.* 280-A : 709-35.
- NINKOVICH, D. 1968: Pleistocene volcanic eruptions in New Zealand recorded in deep-sea sediments. *Earth Planet. Sci. Lett.* 4 : 89-102.
- OLIVER, J.; ISACKS, B.; BARAZANGI, M.; MITRONOVAS, W. 1973: Dynamics of the downgoing lithosphere. *Tectonophysics* 19 : 133-47.
- ORBELL, G.E. 1971: Parent material and age sequences in soils derived from Recent and late Pleistocene volcanic ash, scoria and larva in New Zealand and Tongan islands. (Abstr.) *Proc. 12th Pacif. Sci. Congr., Canberra* 12(1) : 7.
- OVERSBY, V.M.; EWART, A. 1972: Lead isotopic compositions of Tonga-Kermadec volcanics and their petrogenetic significance. *Contr. Miner. Petrol.* 37(3) : 181-210.
- PACKHAM, G.H. 1973: A speculative Phanerozoic history of the SW Pacific. Pp 369-88 in Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- PACKHAM, G.H. 1975: Aspects of the geological history of the New Hebrides and South Fiji Basins. *Bull. Aust. Soc. explor. Geophys.* 6(2-3) : 50-51.
- PACKHAM, G.H. 1975: Review of the Southwest Pacific. Pp 8-9 in Veevers, J.J. (ed.) "Deep Sea Drilling in Australasian Waters". Macquarie University, Australia.
- PACKHAM, G.H. 1978: Evolution of a simple island arc : The Lau-Tonga Ridge. In Coleman, P.J. (ed.) Second Southwest Pacific Earthscience Symposium, I.G.C.P. Project 110, Sydney, December 1977. *Bull. Aust. Soc. explor. Geophys.* 9(3) : 133-40.
- PACKHAM, G.H.; ANDREWS, J.E. 1975: Results of Leg 30 and the geologic history of the Southwest Pacific arc and marginal sea complex. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 691-705.
- PACKHAM, G.H.; TERRILL, A. 1975: Submarine geology of the South Fiji Basin. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 617-45.
- PACKHAM, G.H.; VAN DER LINGEN, G.J. 1973: Progressive carbonate diagenesis at Deep Sea Drilling sites 206, 207, 208, and 210 in the Southwest Pacific and its relationship to sediment physical properties and seismic reflectors. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 495-522.
- PFELFER, D.; STACH, L.W. 1972: Hydrogeology of the island of Tongatapu, Kingdom of Tonga, South Pacific. *Geol. Jb. Reihe C*, 4 : 13 p.
- PINEAU, F.; JAVOY, M.; HAWKINS, J.W.; CRAIG, H. 1976: Oxygen isotope variations in marginal basin and ocean ridge basalts. *Earth Planet. Sci. Lett.* 28(3) : 299-307.
- PONOMAREVA, L.A. 1978: Biogeologic studies of the island regions of New Guinea and Tonga (18th cruise of R/V *Dmitriy Mendeleev*). *Oceanology* 18(1) : 106-8.
- PONTOISE, B.; LATHAM, G.V. 1982: Etude par refraction de la structure interne de l'arc des Tonga. [Study by refraction of the internal structure of the Tonga island arc.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM* 147 : 283-92.
- PONTOISE, B.; LATHAM, G.V.; DANIEL, J.; DUPONT, J.; IBRAHIM, A.B. 1980: Seismic refraction studies in the New Hebrides and Tonga area. In Symposium on "Petroleum Potential in Island Arcs, Small Ocean Basins, Submerged Margins and Related Areas", Suva, Fiji, September 1979. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 3 : 47-58.
- RAPP, R.H. 1980: A comparison of altimeter and gravimetric geoids in the Tonga Trench and Indian Ocean areas. *Bull. geod.* 54(2) : 149-63.
- REAY, A.; ROOKE, J.M.; WALLACE, R.C.; WHELAN, P. 1974: Lavas from Niuafu'ou Island, Tonga, resemble ocean-floor basalts. *Geology* 2(12) : 605-6.
- REID, J.L.; ARTHUR, R.S. 1975: Interpretation of maps of geopotential anomaly for the deep Pacific Ocean. *J. mar. Res.* 33 : 37-52.

- RICHTER, F.M. 1979: Focal mechanisms and seismic energy release of deep and intermediate earthquakes in the Tonga-Kermadec region and their bearings on the depth extent of mantle flow. *J. geophys. Res.* 84(B12) : 6783-95.
- SAGER, G. 1967: Surveys of deep-sea troughs. *Petermanns Geogr. Mitt.* 3(3) : 215-16.
- SANDSTROM, M.W.; PHILIP, R.P. (in press): Biological marker analysis and stable carbon isotopic composition of oil seeps from Tonga. *Chem. Geol.*
- SCHOLL, D.W.; MAUNG, T.U.; VALLIER, T.V. and Scientific Party Cruise CCOP/SOPAC, R/V S.P. Lee 1982: Preliminary results of geophysical and geological studies to assess resource potential and geologic evolution of central Tonga Ridge and summit platform (21-24°S). (Abstr.) *Prog. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 43.  
also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 983.
- SCLATER, J.G.; HAWKINS, J.W.; MAMMERICKX, J.; CHASE, C.G. 1972: Crustal extension between the Tonga and Lau Ridges; petrologic and geophysical evidence. (Abstr.) *EOS Trans. Am. Geophys. Un.* 52(4) : 194.
- SIMKIN, T.; ONYEAGOGCHA, A.C. 1976: Pumice drifts and 1973 submarine eruption, north Tonga islands. *Smithson. Contr. Earth Sci.*
- SINHA, A.K.; HART, S.R. 1971: Geochemical relationship of sediments and volcanic rocks from the Tonga area. (Abstr.) *Abstr. Prog. geol. Soc. Am.* 3(7) : 707-8.
- SINHA, A.K.; HART, S.R. 1972: A geochemical test of the subduction hypothesis for generation of island arc magmas. *Yb. Carnegie Instn Wash.* 71 : 309-12.
- SMALE, G. 1968: Preliminary study, magnetic analysis of Tongatapu Area. Shell Development Australia Rep. EP-41322. (Unpubl. Rep.) Open File, Tonga Govt. Petrol. Rep. 2.
- SMITH, R.; ADRIANSE, J. 1971: An assessment of the gravity and magnetic data from the Tonga offshore area. Shell Development Australia Rep. EP-4237 II. (Unpubl. Rep.) Open File, Tonga Govt. Petrol. Rep. 17.
- SNOW, P.A. 1969: A bibliography of Fiji, Tonga and Rotuma : Preliminary working edition. Australian National University Press, Canberra. 418 p.
- SOLOMON, S.; BIEHLER, S. 1969: Crustal structure from gravity anomalies in the Southwest Pacific. *J. geophys. Res.* 74(27) : 6696-701.
- SOLOMON, S.C.; KYAW THA PAW, U. 1975: Elevation of the olivine-spinel transition in subducted lithosphere : Seismic evidence. *Phys. Earth Planet. Interiors* 11 : 97-108.
- SOLOV'YEVA, I.A. 1976: Deep structure of the Pacific crust. *Geotectonics* 10(3) : 157-68.
- SONDERGELD, C.; ISACKS, B.L.; BARAZANGI, M. 1974: Velocities of P and S waves at depths of 450 to 650 km inside the lithospheric slab descending beneath the Tonga island arc. (Abstr.) *EOS Trans. Am. geophys. Un.* 55(4) : 349.
- SONDERGELD, C.; ISACKS, B.L.; BARAZANGI, M.; BILLINGTON, S. 1977: A search for velocity anomalies near the deep portions of the inclined seismic zone of Tonga island arc. *Bull. seism. Soc. Am.* 67(2) : 537-41.
- SPEDEEN, I.G. 1973: Site 204. In Burns, R.E.; Andrews, J.E. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 33-56.
- STODDART, D.R. 1975: Sand cays of Tongatapu. *Atoll Res. Bull.* 181 : 1-8.
- STOESER, D.B. 1975: Igneous rocks from Leg 30 of the DSDP. In Andrews, J.E.; Packham, G.H. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 401-14.
- STRAATMASN, W. 1954: Reclamations of tidal mudflats in Tonga. *S. Pacif. Commn Tech. Bull.* 53.
- SYKES, L.R. 1966: Seismicity and deep structure of the Tonga-Fiji region. (Abstr.) *Spec. Pap. geol. Soc. Am.* 87 : 172.
- SYKES, L.R.; ISACKS, B.L.; OLIVER, J. 1968: Spatial distribution of deep and shallow earthquakes of small magnitude in the Fiji-Tonga region, Southwest Pacific. (Abstr.) *Spec. Pap. geol. Soc. Am.* 101 : 338-39.

- SUZYUMOV, A.E.; VERZHBITSKIY, Y.V. 1974: The anomalous magnetic field of the Lau Basin (Tonga island arc.) *Phys. Solid Earth* 8 : 531-34.  
also in : *Fiz. Zemli* 8 : 76-80.
- TALANDIER, J.; OKAL, E.A. 1979: Human perception of T waves; the June 22, 1977 Tonga earthquake felt on Tahiti, *Bull. seism. Soc. Am.* 69(5) : 1475-86.
- TALANDIER, J.; OKAL, E.A. 1979: Giant T waves felt on Tahiti following the June 22, 1977 Tonga earthquake. (Abstr.) *EOS Trans. Am. geophys. Un.* 60(18) : 322.
- TAYLOR, F.W. 1975: Pleistocene tectonics and sea-level fluctuations in Tonga and Fiji. (Abstr.) *Abstr. Prog. geol. Soc. Am.* 7(7) : 1292.
- TAYLOR, F.W. 1978: Quaternary tectonic and sea-level history, Tonga and Fiji, Southwest Pacific. Unpubl. Ph.D. thesis, Cornell University, Ithaca, New York. 366 p.
- TAYLOR, F.W.; BLOOM, A.L. 1977: Coral reefs on tectonic blocks, Tonga island arc. *Proc. 3rd Int. Coral Reef Symp., Miami* 3(2) : 276-81.
- TAYLOR, F.W.; BLOOM, A.L.; JOUANNIC, C. 1980: Vertical tectonism in the Tonga and New Hebrides island arcs. (Abstr.) *Abstr. Prog. geol. Soc. Am.* 12(7) : 533-34.
- THOMSON, J.A.; BAKER, W.S.A. 1886: Description of the new volcano in the Friendly Islands. *Trans. N.Z. Inst.* 18 : 41-46.
- TIFFIN, D.L. 1981: Kolovai Ridge sand survey, Kingdom of Tonga, 19-26 November 1981. *CCOP/SOPAC Cruise Rep.* 62.
- TIFFIN, D.L. 1982: Kolovai Ridge sand survey, Kingdom of Tonga, 11-22 February 1982. *CCOP/SOPAC Cruise Rep.* 64.
- TOKSOZ, M.N.; MINEAR, J.W.; JULIAN, B.R. 1971: Temperature field and geophysical effects of a downgoing slab. *J. geophys. Res.* 76(5) : 1113-37.
- TONGA SHELL, N.V. & S.I.P.M. 1972: Résume of exploration wells Kumifonua I and 2 - Tonga. (Unpubl. Rep.) Open File, Tonga Govt. Petrol. Rep. 25.
- TONGILAVA, S.L. 1975: Status of petroleum search in the Kingdom of Tonga. *Proc. 3rd Sess. CCOP/SOPAC* : 69.
- TONGILAVA, S.L. 1980: Petroleum developments in Tonga. *Proc. 8th Sess. CCOP/SOPAC* : 82.
- TONGILAVA, S.L. 1981: Oil exploration in the Kingdom of Tonga 1980-1981. *Proc. 9th Sess. CCOP/SOPAC* : 77.
- TONGILAVA, S.L.; KROENKE, L.W. 1975: Oil prospecting in Tonga 1968-1974. *S. Pacif. mar. geol. Notes* 1(1) : 1-8.
- UDINTSEV, G.B.; AGAPOVA, G.V.; BERESNEV, A.P.; SUZYUMOV, A.Y. 1977: Northern Melanesian trench structure and its role in the structure of transitional zones of the western parts of the Pacific Ocean. *Trudy Inst. sib. Otd. Akad. nauk SSSR* 41(3-4) : 20-29.
- UDINTSEV, G.B.; DIMITRIEV, L.V.; SHARAS'KIN, A.Y. 1971: 49th leg of the *Vityaz* (Samoa-Tonga). *Priroda* 12 : 86-87.
- VAN DER LINGEN, G.J. 1973: Ichnofossils in deep-sea cores from the Southwest Pacific. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 692-700.
- VAN DER MOLEN, W.H. 1979: An analysis of the groundwater resources of Tongatapu Island, Kingdom of Tonga : discussion. *J. Hydrol.* 40(1-2) : 197-99.
- VON HERZEN, R.P. 1973: Geothermal measurements, Leg 21. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 443-57.
- WATERHOUSE, B.C. 1981: Hydrogeology of the southern Cook Islands, Niue, and Tonga. *S. Pacif. tech. Inventory* 2 : 57-74.
- WATTS, A.B. 1974: Gravity anomalies landward of island arcs and the solution of inter-arc basins. (Abstr.) *EOS Trans. Am. geophys. Un.* 55(4) : 301.
- WATTS, A.B.; KOGAN, M.G.; MUTTER, J.; KARNER, G.; DAVEY, F.J. 1981: Gravity field of the Southwest Pacific Ocean. Geological Society of America Map, Chart Series, MC-42.
- WATTS, A.B.; WEISSEL, J.K.; DAVEY, F.J. 1976: Mid-Cenozoic evolution of the South Fiji marginal basin. (Abstr.) *EOS Trans. Am. geophys. Un.* 57(4) : 333.

- WATTS, A.B.; WEISSEL, J.K.; DAVEY, F.J. 1977: Tectonic evolution of the South Fiji marginal basin. Pp 419–27 in Talwani, M.; Pitman, W.C. (eds) "Island Arcs, Deep Sea Trenches, and Back-arc Basins". Maurice Ewing Series 1. American Geophysical Union, Washington. 470 p.
- WATTS, A.B.; WEISSEL, J.K.; LARSON, R.L. 1977: Sea floor spreading in marginal basins of the Western Pacific. *Tectonophysics* 37(1-3) : 167–81.
- WEISSEL, J.K. 1977: Evolution of the Lau Basin by the growth of small plates. Pp 429–56 in Talwani, M.; Pitman, W.C. (eds) "Island Arcs, Deep Sea Trenches, and Back-arc Basins". Maurice Ewing Series 1. American Geophysical Union, Washington. 470 p.
- WATTS, A.B.; WEISSEL, J.K.; LARSON, R.L. 1977: Sea floor spreading in marginal basins of the Western Pacific. *Tectonophysics* 37(1-3) : 167–81.
- WEISSEL, J.K. 1977: Evolution of the Lau Basin by the growth of small plates. Pp 429–56 in Talwani, M.; Pitman, W.C. (eds) "Island Arcs, Deep Sea Trenches, and Back-arc Basins". Maurice Ewing Series 1. American Geophysical Union, Washington. 470 p.
- WEISSEL, J.K.; WATTS, A.B. 1975: Tectonic complexities in the South Fiji marginal basin. *Earth Planet. Sci. Lett.* 28 : 121–26.
- WELLS, J.W. 1976: Eocene corals from Eua, Tonga. *Prof. Pap. U.S. geol. Surv.* 640-G : 18 p.
- WOOD, A.H. 1941: "A History of the Geography of Tonga". Wilson & Horton Ltd, Auckland, New Zealand.
- WOODHALL, D. 1979: Cruise of the R.V. *Bulikula* to investigate recent volcanic activity in Tonga, July 11–18, 1979. (Unpubl. Rep.) Ministry of Lands and Mineral Resources Division, Rep. 14.
- WORZEL, J.L. 1976: Gravity investigations of the subduction zone. Pp 1–15 in "The Geophysics of the Pacific Ocean Basin and its Margin". *Geophys. Monogr.* 19 : 480 p.
- WYSS, M. 1971: Source parameters of intermediate and deep focus earthquakes in the Tonga arc. (Abstr.) In "Symposium on Distribution of Stresses within the Earth, Slow Deformation Mechanism of Earthquakes". *Gen. Assembly 15th Int. Un. Geod. Geophys.* 15 : 49.
- WYSS, M.; MOLNAR, P. 1972: Source parameters of intermediate and deep focus earthquakes in the Tonga arc. *Phys. Earth Planet. Interiors* 6(4) : 279–92.
- ZAMANI, A.; MURRELL, S.A.F. 1978: Body-wave spectral structure of 14 earthquakes with mb 'greater or equal to' 6.0 determined from WWSSN long period records for 1964–1974. *Geophys. J. R. astr. Soc.* 53(1) : 173–74.
- ZDOROVENIN, V.V.; SUZYUMOV, A.E. 1973. [Characteristics of the distribution and structure of the sedimentary layer in the Tonga-Kermadec arc.] *Sov. Geol.* 4 : 132–37.

**BIBLIOGRAPHY OF  
GEOLOGY AND GEOPHYSICS  
OF TUVALU**

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- ANON. 1973: Gilbert and Ellice Islands Colony report for the year 1971. *Colon. Rep. Gilbert Ellice Isl. Colon. (Lond.) 1973* : 114.
- BAINES, G.B.K.; BEVERIDGE, P.J.; MARAGOS, J.E. 1974: Storm and island building at Funafuti Atoll, Ellice Islands. Pp 485-96 in Cameron, A.M. et al. "Recent History, Sea Level Changes and Geomorphology of Reefs". *Proc. 2nd Int. Coral Reef Symp.*, 2 : 485-96.
- BAINES, G.B.K.; MCLEAN, R.F. 1976: Re-surveys of 1972 hurricane Rampart of Funafuti Atoll, Ellice Islands. *Search 7(1-2)* : 36-37.
- BROCHER, T.M.; HOLMES, R. 1982: Tectonic framework of Melanesian Borderland. (Abstr.) *Progr. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 19-20.  
also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 960.
- BROCHER, T.M.; HOLMES, R. 1982: Paleoboundary between the Pacific and Austral-Indian plates on the northern Melanesian Borderland. (Abstr.) *EOS Trans. Am. geophys. Un.* 63(45) : 1120.
- COOK, P.J. 1975: Prospects for finding offshore phosphate deposits in the Southwest Pacific (Project CCSP-1/REG.11). *Proc. 3rd Sess. CCOP/SOPAC* : 75-83.
- FOUHY, E.; THOMPSON, R.M.C. 1980: Selected list of bibliographies of South Pacific Islands. *Misc. Publs N.Z. oceanogr. Inst.* 91 : 30 p.
- GRIMSDALE, T.F. 1952: *Cycloclypeus* (Foraminifera) in the Funafuti boring, and its geological significance. *Occ. Pap. Challenger Soc.* 2 : 1-11.
- HEDLEY, C. 1900: The atoll of Funafuti, Ellice Group : Its zoology, botany, ethnology, and general structure. *Mem. Aust. Mus.* 3 : 5.
- KRAUSS, N.L.H. 1969: Bibliography of the Ellice Islands, western Pacific. Krauss, 2437 Parker Place, Honolulu, Hawaii. 13 p.
- KROENKE, L.W.; JOUANNIC, C.; WOODWARD, P. (comps) 1983: Bathymetry of the South Pacific. Chart 1 of the Geophysical Atlas of the Southwest Pacific. Scale 1:6,442,192 at 0°. 2 Sheets. Mercator Projection. CCOP/SOPAC.
- LADD, H.S. 1968: Fossil land snail from Funafuti, Ellice Islands. *J. Paleont.* 42(3) : 357.
- LANDS AND SURVEY, New Zealand, 1978: Tuvalu. Pp 17-18, pl. 9 in "Atlas of the South Pacific". Government Printer, Wellington.
- MAMMERICKX, J.; CHASE, T.E.; SMITH, S.M.; TAYLOR, I.L. 1974: Bathymetry of the South Pacific, Chart 12 (revised). Scripps Institution of Oceanography, La Jolla.
- MARAGOS, J.E.; BAINES, G.B.K.; BEVERIDGE, P.J. 1973: Tropical Cyclone Bebe creates a new land formation on Funafuti Atoll. *Science (AAAS)* 191(4105) : 1161-64.
- MERGNER, H. 1983: Initial recolonization of Funafuti Atoll coral reefs devastated by hurricane "Bebe". *Progr. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 164.
- MONOHAN, D.; FALCONER, R.H.K.; THARP, M. (scient. co-ords) 1982: General Bathymetric Chart of the Oceans (GEBCO). 5th Edition. Sheet 5.10. Scale 1:10,000,000. Mercator Projection. IHO/IOC.
- ROYAL SOCIETY OF LONDON, 1904: The atoll of Funafuti - borings into a coral reef and the results. Report of the Coral Reef Committee of the Royal Society, London. 428 p.
- SCHMALZ, R.F. 1956: The mineralogy of the Funafuti drill cores and its bearing upon the physico-chemistry of dolomite. *J. Paleont.* 30 : 1004-5.
- SCHMALZ, R.F. 1962: A re-examination and physico-chemical interpretation of the mineralogy of Funafuti Atoll. *Contr. Min. Ind. Exper. Stn Penn. State Univ.* 62-26 : 24 p.
- SCHOFIELD, J.C. 1977: Late Holocene sea level, Gilbert and Ellice Islands, west central Pacific Ocean. *N.Z. Jl Geol. Geophys.* 20(3) : 503-29; 531-36.
- TURPIA, R. 1961: Land tenure problems, Gilbert and Ellice Islands. *Atoll Res. Bull.* 84 : 9-10.
- WINTERER, E.L. 1976: Drilling into coral atolls. *Geotimes* 21(6) : 20.



**BIBLIOGRAPHY OF  
GEOLOGY AND GEOPHYSICS  
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This bibliography includes all onshore and offshore geological/geophysical articles, open-file reports, and maps/charts up to February 1983 relevant to Vanuatu, its Exclusive Economic Zone, at the exclusion of those articles published by F. Dugas in 1975 in the first edition, under the rubric New Hebrides. It also includes the main articles related to the Santa Cruz Islands to the north, the Hunter and Matthew Islands area to the south, and the North Fiji Basin (also mentioned as North Fiji Plateau in the literature) to the east, because of evident geological relationship with the New Hebrides island arc, of which Vanuatu constitutes, by far, the largest part.

This bibliographic compilation was obtained by merging a manual search of relevant journals, special issues, and files available in the libraries of ORSTOM, Noumea, and CCOP/SOPAC in Suva, with computer searches provided by N.Z. Oceanographic Institute, and U.S. Geological Survey at Menlo Park. A contribution from Mr A. Macfarlane, Director, Department of Geology, Mines and Rural Water Supplies, Port Vila, has also been incorporated.

Because many references were taken from reference lists of previously published papers rather than the journals themselves, they have not all been seen by the authors, and consequently have not been verified.

## VANUATU

- ACHARYA, H.K. 1971: Variation of stress in upper mantle. (Abstr.) *EOS Trans. Am. geophys. Un.* 52(4) : 279.
- AGAPOVA, G.V.; ZENKEVICH, N.L.; UDINTSEV, G.B. 1975: [Morphology of trenches of the Southwestern Pacific Ocean.] *Geomorphologiya* 1 : 43-50.
- ALPHA, T.R.; AUSTIN, W.A.; MORLEY, J.M. 1982: Oblique map of the Republic of Vanuatu, Southwest Pacific. *U.S. geol. Surv. Open File Rep.* 82-0578.
- ANDREWS, J.E.; PACKHAM, G.H. 1973: Southwest Pacific structures, Leg 30 : Deep Sea Drilling Project. *Geotimes* 18(9) : 18-21.
- ANDREWS, J.E.; PACKHAM, G.H. *et al.* 1975: "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 753 p.
- ANDREWS, J.E.; PACKHAM, G.H. *et al.* 1975: Site 286. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 69-131.
- ASH, R.P.; CARNEY, J.N.; MACFARLANE, A. 1978: Geology of Efate and offshore islands. *New Hebrides geol. Surv. Reg. Rep.* : 49 p.
- ASH, R.P.; CARNEY, J.N.; MACFARLANE, A. 1980: Geology of the northern Banks Islands. *New Hebrides geol. Surv. Reg. Rep.* : 52 p.
- ASH, R.P.; CARNEY, J.N.; MACFARLANE, A.; MALLICK, D.I.J. 1978: Geology of the Banks Islands, 1:1,000,000. *New Hebrides geol. Surv., Map Ser. Sheet 2.*
- ASH, R.P.; RADFORD, M.W.; GREENBAUM, D.; MALLICK, D.I.J. 1974: Geology of Efate and offshore islands, 1:1,000,000. *New Hebrides geol. Surv., Map Ser. Sheet 9.*
- BARAZANGI, M.; ISACKS, B.L.; DUBOIS, J.; PASCAL, G. 1974: Seismic wave attenuation in the upper mantle beneath the Southwest Pacific. *Tectonophysics* 24(1-2) : 1-12.
- BARAZANGI, M.; OLIVER, J.; ISACKS, B.L. 1977: Relative excitation of the seismic shear waves S.n. and L.g. as a function of source depth and their propagation from Melanesia and Banda arcs to Australia. *Ann. Geofis.* 30(3-4) : 385-407.
- BARAZANGI, M.; PENNINGTON, W.; ISACKS, B.L. 1975: Global study of seismic wave attenuation in the upper mantle behind island arc using pP waves. *J. geophys. Res.* 80 : 1079-92.
- BARSDSELL, M. 1975: Geology in the New Hebrides. *Newsl. geol. Soc. N.Z.* 39 : 43-44.
- BARSDSELL, M. 1976: Eastern Cumberland Peninsula, North Santo. *A. Rep. geol. Surv. New Hebrides 1974* : 2-8.
- BARSDSELL, M. 1980: Petrological variation in the Banks Islands, New Hebrides. Unpublished Ph.D. thesis, U.K.
- BARSDSELL, M.; RADFORD, M.W. 1976: Geothermal activity, Vanua Lava. *A. Rep. geol. Surv. New Hebrides 1974* : 19-20.
- BATH, A.H.; CARNEY, J.N.; COOK, J.M. 1982: Efate Geothermal Project, Phase 1. Hydrochemistry of rivers, cold springs and thermal springs in the project area. *Rep. Geophys. Hydrogeol. Div., IGS, U.K. WD/OS/82/7.*
- BEVIS, M.; ISACKS, B.L. 1981: Levelling arrays as multicomponents tilt-meters : Slow deformation in the New Hebrides island arc. *J. geophys. Res.* 86(B9) : 7808-24.
- BEVIS, M.; ISACKS, B.L.; HADE, G.; CAMPILLO, R.; RECY, J. 1979: Monitoring tilt in the New Hebrides island arc. (Abstr.) *EOS Trans. Am. geophys. Un.* 60(18) : 316.
- BLOOM, A.L. 1980: The sea-level record of the structure of an ice age. (Abstr.) *Abstr. Prog. Am. Quat. Ass.* 6 : 29-30.
- BLOOM, A.L. 1980: Late Quaternary sea level change on South Pacific coasts : A study in tectonic diversity. Pp 505-16 in Moerner, N. (ed.) "Earth Rheology, Isostasy and Eustasy". Earth Rheology and Late Cenozoic Isostatic Movements Conference, Stockholm, July-August 1977. John Wiley & Sons, U.K.
- BLOOM, A.L.; JOUANNIC, C.; TAYLOR, F.W. 1978: Preliminary radiometric ages from the uplifted Quaternary coral reefs of Efate. In Ash, R.P.; Carney, J.N.; Macfarlane, A. "Geology of Efate and Offshore Islands". *New Hebrides geol. Surv. Reg. Rep.* : 47-49.
- BLOOM, A.L.; TAYLOR, F.W.; JOUANNIC, C. 1977: Emerging Pleistocene islands in the New Hebrides island arc. (Abstr.) *Abstr. Prog. geol. Soc. Am.* 9(7) : 902.

- BLOOM, A.L.; TAYLOR, F.W.; JOUANNIC, C. 1980: Emerged reef coast of South Santo, New Hebrides. (Abstr.) *Proc. 26th Int. Geol. Congr., Paris 26(2)* : 637.
- BLOT, C. 1967: Sismicité des Nouvelles Hébrides. [Seismicity of the New Hebrides.] (Abstr.) *Gen. Assembly 14th Int. Un. Geod. Geophys. 14(2)* : 88.
- BLOT, C. 1971: Séismes du manteau supérieur précurseurs des séismes superficiels violents. [Earthquakes of the upper mantle precursor of violent shallow earthquakes.] In Symposium on "Forerunners of Strong Earthquakes". *Gen. Assembly 15th Int. Un. Geod. Geophys., Moscow 8* : 29.
- BLOT, C. 1971: Volcanisme et séismes du manteau supérieur dans l'archipel des Nouvelles Hébrides : Structure, migration des séismes, corrélations avec l'activité volcanique. [Volcanism and seismicity of the upper mantle in the New Hebrides archipelago : Structure, earthquake migration, correlation with volcanic activity.] (Abstr.) In Symposium on "Volcanism and Upper Mantle Earthquakes". *Gen. Assembly 15th Int. Un. Geod. Geophys., Moscow 35* : 19.
- BLOT, C. 1973: Volcanisme et séismes du manteau supérieur dans l'archipel des Nouvelles Hébrides. [Volcanism and earthquakes of the upper mantle in the New Hebrides archipelago.] *Bull. volcan. 36(3)* : 446-61.
- BLOT, C. 1976: Volcanisme et sismicité dans les arcs insulaires. Prédiction de ces phénomènes. [Volcanism and seismicity in island arcs : Prediction of these phenomena.] *Cah. ORSTOM, Sér. Géophys. 13* : 206 p.
- BLOT, C. 1979: Corrélations séismes profonds - activité volcanique. [Deep earthquake correlations with volcanic activity.] In de Beauregard, J. (ed.) "Rapport national sur les travaux français exécutés de 1975 à 1978 établi à l'occasion de la 17<sup>e</sup> Assemblée Générale à Conberra de L'U.G.G.I.". *Comm. Nat. Fr. Géodes. et Géophys.* : 125.
- BLOT, C. 1981: Deep root of andesitic volcanoes : New evidence of magma generation at depth in the Benioff zone. In Ewart, A.; Gupta, M.L. (eds) "Heat Production and Generation of Magmas". *J. volcan. geotherm. Res. 10(4)* : 339-64.
- BLOT, C.; GROVER, J.C. 1967: Recent predictions of volcanic eruptions in the Southwest Pacific [with discussion]. *Proc. geol. Soc. Lond. 1637* : 59-60.
- BONNEMAISON, J. 1979: Volcano, coconut trees and bocage : the Yasua volcano region on Tanna (White-Sands, New Hebrides). *Photointerpretation 79(3)* : 35-42.
- BOURKE, R.M. 1976: Caves of New Caledonia and the New Hebrides. *Niugini Caver 4(4)* : 165-70.
- BRIQUEU, L. 1980: Effets de l'altération par l'eau de mer sur les compositions isotopiques du strontium de la mésostase et des phases minérales d'une tholéiite océanique. [Effects of sea-water alteration on strontium isotope composition of mesostasis and mineral phases of an oceanic tholeiite.] *Bull. Soc. Géol. Fr. 22(3)* : 405-11.
- BRIQUEU, L.; LANCELOT, J.R. 1979: La composition isotopique du strontium dans les laves des Nouvelles Hébrides et le rôle de l'eau de mer dans la genèse des magmas. [The isotopic composition of strontium from the lavas of the New Hebrides and the role of sea-water in the genesis of magmas.] (Abstr.) *7th Réun. a. Sci. Terre, Paris (Prog. Résumés)* : 88.
- BUKRY, D. 1975: Phytoplankton stratigraphy, Southwest Pacific, Deep Sea Drilling Project, Leg 30. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 539-47.
- BURNE, R.V.; TIFFIN, D. 1982: The EVA 10 (GEOVAN II) geophysical survey in Vanuatu waters : Cruise VA-82(1), 8 October-6 November 1982. *CCOP/SOPAC Cruise Rep. 74*.
- BUSKIRK, R.E.; TAYLOR, F.W.; O'BRIEN, W.P.; MAILLET, P.; GILPIN, L. 1981: Seasonal growth patterns and mortality of corals in the New Hebrides. (Abstr.) *Abstr. 4th Int. Coral Reef Symp., Manila* : 10.
- CALDWELL, J.G. 1978: The mechanical behaviour of the oceanic lithosphere near subduction zones. Unpubl. Ph.D. thesis, Cornell University, Ithaca, New York. 151 p.
- CARDWELL, R.K.; ISACKS, B.L.; CHATELAIN, J.L. 1980: A detailed study of a sequence of magnitude 6 earthquakes in the central New Hebrides Islands (Abstr.) *EOS Trans. Am. geophys. Un. 61(17)* : 370.

- CARDWELL, R.K.; ISACKS, B.L.; LOUAT, R.; LATHAM, G.V.; CHEN, A. 1979: First results from a new seismograph network in the central New Hebrides island arc. (Abstr.) *EOS Trans. Am. geophys. Un.* 60(18) : 322.
- CARNEY, J.N. 1976: Marine sediment samples off eastern Epi. *A. Rep. geol. Surv. New Hebrides 1974* : 10-11.
- CARNEY, J.N. 1977: Aniwa (7-8). Offshore dredging, south Santo (13-18). Trace element distribution in marine sediments from the Epi-Tongoa area (22-24). *A. Rep. geol. Surv. New Hebrides 1975* : 40 p.
- CARNEY, J.N. 1982: Efate Geothermal Project, Phase 1. Geology and reconnaissance hydrology of the project area. *Rep. O'seas Div. IGS, U.K. 82/11*.
- CARNEY, J.N. (in press): Geology of Maewo. *New Hebrides geol. Surv. Reg. Rep.*
- CARNEY, J.N.; MACFARLANE, A. 1977: Volcano-tectonic events and pre-Pliocene crustal extension in the New Hebrides. In International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- CARNEY, J.N.; MACFARLANE, A. 1977: Tanna (2-4). Submarine geology, Epi-Tongoa (11-13). *A. Rep. geol. Surv. New Hebrides 1975* : 40 p.
- CARNEY, J.N.; MACFARLANE, A. 1978: Lower to Middle Miocene sediments on Maewo, New Hebrides, and their relevance to the development of the Outer Melanesian arc system. In Coleman, P.J. (ed.) "Second Southwest Pacific Earthscience Symposium and I.G.C.P. Project Meeting (Project 110)", Sydney, December 1977. *Bull. Aust. Soc. explor. Geophys.* 9(3) : 123-30.
- CARNEY, J.N.; MACFARLANE, A. 1978: Geology of Tanna, Aneityum, Futuna and Aniwa, 1:100,000. *New Hebrides geol. Surv., Map Ser., Sheet 11*.
- CARNEY, J.N.; MACFARLANE, A. 1979: Geology of Tanna, Aneityum, Futuna and Aniwa. *New Hebrides geol. Surv. Reg. Rep.* : 71 p.
- CARNEY, J.N.; MACFARLANE, A. 1979: Geological evidence bearing on the Miocene to Recent structural evolution of the New Hebrides arc. (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys., Canberra 17* : 5-11.
- CARNEY, J.N.; MACFARLANE, A. 1980: A sedimentary basin in the central New Hebrides arc. In "Symposium on Petroleum Potential in Island Arcs, Small Ocean Basins, Submerged Margins and Related Areas", Suva, Fiji, September 1979. *U.N. ESCAP, CCOP/SOPAC Tech. Bull. 3* : 109-20.
- CARNEY, J.N.; MACFARLANE, A. 1980: Mineral resources of the New Hebrides. In Hopkinson, E.G.; Beavington, C.F. (eds) "Mineral Assessment, Evaluation and Calculation". Bangalore, India, March-April 1979. *Rep. Commonw. Geol. Liaison Off. 3(1)* : 101-12.
- CARNEY, J.N.; MACFARLANE, A. 1980: Geological evidence bearing on the Miocene to Recent structural evolution of the New Hebrides (Vanuatu) arc. (Abstr.) In "Second International Workshop on Geology, Mineral Resources and Geophysics of the South Pacific", New Caledonia, October 1980. CCOP/SOPAC-IOC/WESTPAC.
- CARNEY, J.N.; MACFARLANE, A. 1982: Geological evidence bearing on the Miocene to Recent structural evolution of the New Hebrides arc. In Packham, G.H. (ed.) "The Evolution of the India-Pacific Plate Boundaries". Third Southwest Pacific Earthscience Symposium and I.G.C.P. Meeting, Project 110, Sydney, December 1979. *Tectonophysics 87(1-4)* : 147-75.
- CHAPRONIERE, G.C.H. 1980: Influence of plate tectonics on the distribution of Late Paleogene to Early Neogene larger Foraminiferida in the Australasian region. *Palaeogeogr. Palaeoclim. Palaeoecol.* 31 : 299-317.
- CHEN, A.T.; FROHLICH, C.; LATHAM, G.V. 1982: Seismicity of the forearc marginal wedge (accretionary prism). *J. geophys. Res.* 87(B5) : 3679-90.
- CHEKIS, N.Z.; MALAHOFF, A.; BORZENA, J.M. 1978: Magnetic lineations over the Fiji Plateau. (Abstr.) *EOS Trans. Am. geophys. Un.* 59 : 266.
- CHINN, D.S. 1982: Accurate source depths and focal mechanisms of shallow earthquakes in western South America and in the New Hebrides island arc. Unpubl. Ph.D. thesis, Cornell University, Ithaca, New York. 238 p.  
also in : *Diss. Abstr. Int.* 41/05-A : 2194.

- CHIN, D.S.; ISACKS, B.L. 1979: Accurate depths of shallow earthquakes in the New Hebrides island arc. (Abstr.) *Earthq. Notes* 49 : 84.
- CHIU, J.M. 1982: Structural features of subduction zone determined by detailed analysis of short period seismic waves from earthquakes recorded in the New Hebrides island arc. Unpubl. Ph.D. thesis, Cornell University, Ithaca, New York. 218 p. also in : *Diss. Abstr. Int.* 43/04-B : 1011.
- CHOUHDURY, M.A.; POUPINET, G.; PERRIER, G. 1975: Shear velocity from differential travel times of short period ScS-P in New Hebrides, Fiji-Tonga and Banda Sea regions. *Bull. seism. Soc. Am.* 65(6) : 1787-96.
- CHUNG, W.Y. 1979: Source parameters and stress drops of intermediate and deep focus earthquakes in the New Hebrides arc. (Abstr.) *EOS Trans. Am. geophys. Un.* 60(46) : 878.
- CHUNG, W.Y.; KANAMORI, H. 1977: Focal mechanism of the New Hebrides earthquake of January 19, 1969 and ridge subduction under the New Hebrides arc. (Abstr.) *Abstr. Prog. geol. Soc. Am.* 9(4) : 400.
- CHUNG, W.Y.; KANAMORI, H. 1977: Seismicity and tectonic anomalies associated with aseismic ridge subduction in the New Hebrides arc. (Abstr.) *EOS Trans. Am. geophys. Un.* 58(12) : 1232.
- CHUNG, W.Y.; KANAMORI, H. 1978: Subduction process of a fracture zone and aseismic ridges : The focal mechanism and source characteristics of the New Hebrides earthquake of 1969, January 19, and some related events. *Geophys. J. R. astr. Soc.* 54(1) : 221-40.
- CHUNG, W.Y.; KANAMORI, H. 1978: A mechanical model for plate deformation associated with aseismic ridge subduction in the New Hebrides arc. *Tectonophysics* 50(1) : 29-40.
- CLARIDGE, G.G.C. 1981: Economic potential of clay deposits in selected south Pacific countries. *CCOP/SOPAC Tech. Rep. No. 9* and *Proc. 9th Sess. CCOP/SOPAC* : 78-80.
- COFFRANT, D.; GIROD, M.; ROCA, J.L. 1978: Application de l'analyse en composantes principales à l'étude pétrologique des laves des Nouvelles-Hébrides. [Principal components analysis in the study of the petrology of the New Hebrides lavas.] *Bull. Soc. Géol. Fr.* 20(4) : 503-8.
- COLEMAN, P.J. 1978: Reflections on outer Melanesian Tertiary larger Foraminifera. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 192 : 31-36.
- COLEMAN, P.J. 1980: Plate tectonics background to biogeographic development in the Southwest Pacific over the last 100 million years. *Palaeogeogr. Palaeoclim. Palaeoecol.* 31 : 105-21.
- COLEMAN, P.J.; PACKHAM, G.H. 1976: The Melanesian Borderlands and India-Pacific plates boundary. *Earth Sci. Rev.* 12(2-3) : 197-233.
- COLLEY, H.; ASH, R.P. 1974: Geology of Erromango, 1:100,000. *New Hebrides geol. Surv., Map Ser., Sheet 10.*
- COLLEY, H.; WARDEN, A.J. 1974: Petrology of the New Hebrides. *Bull. geol. Soc. Am.* 85(10) : 1635-46.
- COLLOT, J.Y.; DANIEL, J.; LOUAT, A.; MAILLET, P.; PONTOISE, B.; ISACKS, B.; LATHAM, G.V.; MALAHOFF, A. 1980: La zone de subduction des Nouvelles Hébrides. [The New Hebrides subduction zone.] (Abstr.) *Proc. 26th Int. Geol. Congr., Paris* 26(2) : 715.
- COLLOT, J.Y.; MALAHOFF, A. 1982: Anomalies gravimétriques et structure de la zone de subduction des Nouvelles Hébrides. [Gravimetric anomalies and structure of the New Hebrides subduction zone.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM* 147 : 91-109.
- COLLOT, J.Y.; MISSEGUE, F. 1977: Crustal structure between New Caledonia and the New Hebrides. Pp 135-44 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- COOK, D.J. 1981: Report on testing the pozzolanicity of volcanic ash from Ambrym, Republic of Vanuatu. *Geol. Surv. Vanuatu Occ. Rep.* 2/81. (Unpubl.)
- COOK, D.J. 1981: Report on testing Efate pumice and limestone for the Mele Lime-Pozzolan Project. *Geol. Surv. Vanuatu Occ. Rep.* 3/81. (Unpubl.)

- CORNER, E.H.J.; LEE, K.E. 1975: 1971 Royal Society-Percy Sladen Expedition to the New Hebrides. *Phil. Trans. R. Soc., Ser. B, Biol. Sci.* 272(918) : 268-480.
- COUDERT, E. 1980: Etude de la sismicité du sud de l'arc insulaire des Nouvelles-Hébrides, enregistré par un réseau temporaire de stations locales et sous-marines. [Study of the seismicity of the south of the New Hebrides island arc, recorded by a temporary network of local and ocean bottom stations.] Thèse 3ème Cycle, Université de Paris-Sud (Orsay).
- COUDERT, E.; ISACKS, B.L.; BARAZANGI, M.; LOUAT, R.; CARDWELL, R.; CHEN, A.; DUBOIS, J.; LATHAM, G.; PONTOISE, B. 1981: Spatial distribution and mechanisms of earthquakes in the southern New Hebrides arc from a temporary land-ocean bottom seismic network and worldwide observations. *J. geophys. Res.* 86(B7) : 5905-25.
- COUDERT, E.; ISACKS, B.L.; CARDWELL, R.; CHEN, A.; LATHAM, G.; DUBOIS, J.; LOUAT, R. 1980: Search for velocity anomalies in the New Hebrides island arc from residuals observed with combined land-OBS stations of a temporary network. (Abstr.) *EOS Trans. Am. geophys. Un.* 61(17) : 301.
- COULON, C.; GIROD, M.; LEFEVRE, C.; MARCELOT, G.; MAURY, R.C. 1980: Petrology of the Quaternary lavas of New Hebrides island arc. (Abstr.) *Proc. 26th Int. Geol. Congr., Paris 26(1)* : 25.
- COULON, C.; MAILLET, P.; MAURY, R.C. 1979: Contribution à l'étude du volcanisme de l'arc des Nouvelles Hébrides : données pétrologiques sur les laves de l'île d'Effate. [Volcanism of the New Hebrides arc : petrology of Effate Island lavas.] *Bull. Soc. Géol. Fr.* 21(5) : 619-29.
- COULON, C.; MAURY, R.C. 1980: Pétrologie des laves tholéitiques de l'île Tanna (Nouvelles Hébrides) : importance des phénomènes cumulatifs dans le volcanisme d'arc insulaire. [Petrology of the tholeiitic lavas from Tanna, New Hebrides : the importance of cumulative phenomena in island arc volcanism.] (Abstr.) *Réun. a. Sci. Terre, Paris (Prog. Résumés)* 8 : 110.
- COX, M.E. 1980: Geothermal occurrences in the Southwest Pacific. In "Symposium on Petroleum Potential in Island Arcs, Small Ocean Basins, Submerged Margins and Related Areas", Suva, Fiji, September 1979. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 3 : 197-219.
- CRAIG, P.M. 1981: Mendo Island. In Hughes, G.W.; Craig, P.M.; Dennis, R.A. "Geology of the Eastern Outer Islands". *Bull. Solomon Isl. geol. Surv.* 4 : 34-63.
- CRAIG, P.M. 1981: Utupua. In Hughes, G.W.; Craig, P.M.; Dennis, R.A. "Geology of the Eastern Outer Islands". *Bull. Solomon Isl. geol. Surv.* 4 : 64-66.
- CRONAN, D.S. 1981: Metalliferous sediments in the CCOP/SOPAC region of the Southwest Pacific, with particular reference to geochemical exploration for the deposits. *CCOP/SOPAC Tech. Rep. 17* and *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 4 : 55 p.
- DANDY, A.J.; MORRISON, R.J. 1980: Phosphate sorption isotherms of South Pacific soils. *N.Z. Jl Sci.* 23(4) : 399-402.
- DANIEL, J. 1978: Phénomène de subduction et existence du prisme d'accrétion : enseignement de l'arc des Nouvelles-Hébrides. [Subduction phenomena and existence of an accretionary prism : lessons from the New Hebrides arc.] *C. r. hebdom. Séanc. Acad. Sci., Paris, sér. D* 286(24) : 1755-58.
- DANIEL, J. 1979: Morphology and structure of the southern part of the New Hebrides island arc system. In Uyeda, S.; Murphy, R.W.; Kobayashi, K. (eds) "Geodynamics of the Western Pacific". Proceedings of an International Conference on the Geodynamics of the Western Pacific - Indonesian Region, Tokyo, March 1978. *Adv. Earth Planet. Sci.* 6 : 181-90.
- DANIEL, J. 1982: Morphologie et structures superficielles de la partie sud de la zone de subduction des Nouvelles Hébrides. [Morphology and shallow structures of the southern part of the New Hebrides subduction zone.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM* 147 : 39-60.

- DANIEL, J.; COLLOT, J.Y.; IBRAHIM, A.B.K.; ISACKS, B.; LATHAM, G.V.; LOUAT, R.; MAILLET, P.; MALAHOFF, A.; PONTOISE, B. 1982: La subduction aux Nouvelles Hébrides. [The subduction in the New Hebrides.] *In* Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 149-56.
- DANIEL, J.; HAWKINS, L.V.; JOUANNIC, C.; LARUE, B.M.; RECY, J. 1975: Marine geology on the east margin of Indo-Australian plate between New Caledonia and Solomon Islands. (Abstr.) *Proc. 13th Pacif. Sci. Congr., Vancouver 13(1)* : 396.
- DANIEL, J.; JOUANNIC, C.; LARUE, B.M.; RECY, J. 1977: Interpretation of d'Entrecasteaux zone (north of New Caledonia). *In* International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- DANIEL, J.; JOUANNIC, C.; LARUE, B.M.; RECY, J. 1978: Marine geology of eastern Coral Sea (eastern margin of Indo-Australian plate, north of New Caledonia). *S. Pacif. mar. geol. Notes 1(8)* : 81-94.
- DANIEL, J.; KATZ, H.R. 1981: D'Entrecasteaux Zone, trench and western chain of the central New Hebrides island arc : Their significance and tectonic relationship. *Geo-Mar. Lett. 1* : 213-19.
- DEMANGE, J. 1977: [The geological environment of the goethermal indications of the north of the island of Vate, New Hebrides.] *Bull. Bur. Rech. Géol. Minier., ser. 2, sect. 2, Suppl.* : 127.
- DENNIS, R.A. 1977: Vanikolo. *In* Hughes, G.W.; Craig, P.M.; Dennis, R.A. "Geology of the Eastern Outer Islands". *Bull. Solomon Isl. geol. Surv. 4* : 67-74.
- DION, P. 1957: Région Nord du Cap Cumberland. [Northern region of Cape Cumberland.] Cie Francaise des Phosphates de l'Océanie. (Unpubl. Rep.) 10 p.
- DION, P. 1958: Rapport général sur les îles Torrès. [General report on the Torres Islands.] Cie Francaise des Phosphates de l'Océanie. Tech. Rep. 89/H/18. (Unpubl.)
- DSDP SCIENTIFIC STAFF, 1973: Leg 30, 1973 : Southwest Pacific structures. *Geotimes 18(9)* : 18-21.
- DUBOIS, J.; DUGAS, F.; LAPOUILLE, A.; LOUAT, R. 1975: Fossés d'effondrement en arrière de l'arc des Nouvelles Hébrides. Mécanismes proposés. [Grabens behind the New Hebrides arc. Proposed mechanisms.] *Rev. Géol. dyn. Geogr. phys. 17(1)* : 73-94.
- DUBOIS, J.; DUGAS, F.; LAPOUILLE, A.; LOUAT, R. 1975: Grabens behind the New Hebrides arc. Proposed mechanisms. (Abstr.) *Proc. 13th Pacif. Sci. Congr., Vancouver 13(1)* : 398-99.
- DUBOIS, J.; DUGAS, F.; LAPOUILLE, A.; LOUAT, R. 1977: The Coriolis Trough. *A. Rep. geol. Surv. New Hebrides 1975* : 8-11.
- DUBOIS, J.; DUGAS, F.; LAPOUILLE, A.; LOUAT, R. 1978: The troughs at the rear of the New Hebrides island arc : Possible mechanisms of formation. *Can. J. Earth Sci. 15(3)* : 351-60.
- DUBOIS, J.; DUPONT, J.; RECY, J. 1982: Apports nouveaux à l'étude du Sud-Ouest Pacifique". [New contributions to the geodynamic study of the Southwest Pacific.] *In* Equipe Géologie-Géophysique ORSTOM Nouméa "Contributions à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 567-88.
- DUBOIS, J.; LAUNAY, J.; RECY, J. 1975: Lithospheric bulges close to island arcs. (Abstr.) *Proc. 13th Pacif. Sci. Congr., Vancouver 13(1)* : 399.
- DUBOIS, J.; LAUNAY, J.; RECY, J. 1975: Some new evidence on lithospheric bulges close to island arcs. *Tectonophysics 26(3-4)* : 189-96.
- DUBOIS, J.; LAUNAY, J.; RECY, J.; MARSHALL, J. 1977: New Hebrides trench : Subduction rate from associated lithospheric bulge. *Can. J. Earth Sci. 14(2)* : 250-55.
- DUBOIS, J.; PASCAL, G. 1974: High-resolution study of the spatial distribution of the New Hebrides earthquakes. (Abstr.) *EOS Trans. Am. geophys. Un. 55(4)* : 301.
- DUBOIS, J.; RAVENNE, C.; AUBERTIN, A.; LOUIS, J.; GUILLAUME, R.; LAUNAY, J.; MONTADERT, L. 1974: Continental margins near New Caledonia. Pp 521-35 *in* Burke, C.A.; Drake, C.L. (eds) "The Geology of Continental Margins". Springer-Verlag, New York.
- DUGAS, F. 1973: Bibliographie géologique et géophysique de l'arc insulaire des Nouvelle-Hébrides. ORSTOM, Nouméa. 42 p. (Unpubl.)



- DUGAS, F. 1975: A bibliography of the geology and geophysics of the New Hebrides. *In* Kroenke, L.W.; Bardsley, E. (eds) "Bibliography of Geology and Geophysics of the South Pacific". *U.N. ESCAP, CCOP/SOPAC Tech. Bull. 1* : 53-73.
- DUGAS, F. 1980: The New Hebrides central inter-arc basin, SW Pacific. (Abstr.) *Proc. 26th Inst. Geol. Congr., Paris 26(2)* : 718.
- DUGAS, F.; CARNEY, J.N.; CASSIGNOL, C.; JEZEK, P.A.; MONZIER, M. 1977: Dredged rocks along a cross-section in the southern New Hebrides island arc and their bearing on the age of the arc. Pp 105-16 *in* International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- DUGAS, F.; DUBOIS, J.; LAPOUILLE, A.; LOUAT, R.; RAVENNE, C. 1977: Structural characteristics and tectonics of an active island arc : The New Hebrides. Pp 79-90 *in* International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- DUGAS, F.; PARROT, J.F. 1978: Reconstitution de la ceinture éocène du Sud-Ouest Pacifique. [Reconstruction of the Eocene belt in the Southwest Pacific.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D 287(7)* : 671-74.
- DUPONT, J.; RECY, J. 1980: Le Sud-Ouest Pacifique : données structurales. Carte structurale au 1/12,000,000 avec notice explicative. [The Southwest Pacific : Structural map at 1:12,000,000, with explanatory note.] *In* "Atlas de la Nouvelle Calédonie". ORSTOM, Paris. (1981 : pl. 5)
- DUPUY, C.; DOSTAL, J.; MARCELOT, G.; BOUGAULT, H.; JORON, H.L.; TREUIL, M. 1982: Geochemistry of basalts from central and southern New Hebrides arc : Implication for their source rock composition. *Earth Planet. Sci. Lett. 60(2)* : 207-25.
- EADE, J.V. 1980: Review of precious coral in CCOP/SOPAC member-countries. *CCOP/SOPAC Tech. Rep. No. 8* (Unpubl.)
- EADE, J.V.; KROENKE, L.W. 1983: Geology of the North Fiji Basin. (Abstr.) *Progm. Abstr. 15th Pacif. Sci. Congr., Dunedin 15(1)* : 64.
- EBEL, J.E. 1977: Comparison of wave forms from a foreshock-mainshock-aftershock sequence in the New Hebrides islands. (Abstr.) *EOS Trans. Am. geophys. Un. 58(12)* : 1194.
- EBEL, J.E. 1978: Low stress drop foreshocks to an event in the New Hebrides islands. (Abstr.) *EOS Trans. Am. geophys. Un. 59(12)* : 1126.
- EBEL, J.E. 1980: Source processes of the 1965 New Hebrides islands earthquakes inferred from teleseismic waveforms. *Geophys. J. R. astr. Soc. 63(2)* : 381-402.
- EBEL, J.E. 1981: Evidence for fault asperities from systematic time-domain modelling of teleseismic waveforms. Unpubl. Ph.D. thesis, California Institute of Technology, Pasadena. 149 p.
- EDWARDS, A.R. 1975: Further comments on the Southwest Pacific Paleogene regional unconformities. *In* Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 663-66.
- EDWARDS, A.R. 1975: Southwest Pacific Cenozoic paleogeography and an integrated Neogene paleocirculation model. *In* Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 667-84.
- EXON, N.F. 1980: Vanuatu offshore geophysical survey, 25 July-26 August 1980 : Cruise VA-80(1). *CCOP/SOPAC Cruise Rep. No. 44* : 10 p. (Unpubl.)
- EXON, N.F. 1981: Vanuatu offshore survey : Precious corals and metalliferous sediments - Cruise VA-80(3), 4-21 December 1980. *CCOP/SOPAC Cruise Rep. No. 48* : 26 p. (Unpubl.)
- EXON, N.F.; CRONAN, D.S. 1983: Hydrothermal iron deposits from submarine volcanoes off Epi, Vanuatu. (Abstr.) *Abstr. Progm. 15th Pacif. Sci. Congr., Dunedin 2* : 70.
- EXON, N.F.; CRONAN, D.S. 1983: Hydrothermal iron deposits and associated sediments from submarine volcanoes off Vanuatu, Southwest Pacific. *Mar. Geol. 52* : M43-M52.

- FALVEY, D.A. 1975: Arc reversals, and a tectonic model for the North Fiji Basin. *Bull. Aust. Soc. explor. Geophys.* 6(2-3) : 47-49.
- FALVEY, D.A. 1978: Analysis of paleomagnetic data from the New Hebrides. In Coleman, P.J. (ed.) "Second Southwest Pacific Earthscience Symposium and I.G.C.P. Project Meeting (Project 110)". Sydney, December 1977. *Bull. Aust. Soc. explor. Geophys.* 9(3) : 117-23.
- FALVEY, D.A. 1982: A paleomagnetic perspective on Southwest Pacific tectonics. (Abstr.) *EOS Trans. Am. geophys. Un.* 63(45) : 1120.
- FISHER, M.A.; FALVEY, D.A.; GREENE, H.G. 1982: Investigation of the Central New Hebrides arc, using multichannel seismic data. (Abstr.) *EOS Trans. Am. geophys. Un.* 63(45) : 1120.
- FOSBERG, F.R. 1977: A fossil *Garcinia* fruit from the New Hebrides, Melanesia. *Pacif. Sci.* 31(3) : 293-98.
- FROHLICH, C.A. 1976: I. Upper mantle structure beneath the Fiji Plateau; seismic observations of second P-arrivals from the olivine spinel phase transition zone. II. Strainmeter and tiltmeter measurements from the tonga island arc. III. The case for four-component strainmeters. Unpubl. Ph.D. thesis, Cornell University, Ithaca, New York. 166 p.  
also in : *Diss. Abstr. Int.* 37(10) : 4948B (1977).
- FRYER, P. 1973: Petrology and geochemistry of some rock samples from the northern Fiji Plateau. Unpubl. M.Sc. thesis, University of Hawaii, Honolulu. 49 p.
- FRYER, P. 1974: Petrology of some volcanic rocks from the northern Fiji Plateau. *Bull. geol. Soc. Am.* 85 : 1717-20.
- GAUSS, G.A. 1981: Vanuatu offshore survey, cruise VA-80(2), 22 November-1 December 1980. *CCOP/SOPAC Cruise Rep. No. 47* : 12 p. (Unpubl.)
- GAVEN, C.; BERNAT, M.; JOUANNIC, C.; TAYLOR, F.W. 1980: Mouvements verticaux des Nouvelles Hébrides pendant les derniers 120,000 ans. Datation de coraux par la méthode Io-U. [Vertical movements of New Hebrides during the last 120,000 years. Coral dating by the Io-U method.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D* 290(3) : 175-78.
- GIGGENBACH, W.F. 1977: Immediate report on visit by New Zealand geochemist to the New Hebrides and Solomon Islands. Unpubl. Rep., Chemistry Division, D.S.I.R., New Zealand.
- GILL, J.B.; GORTON, M. 1973: A proposed geological and geochemical history of eastern Melanesia. Pp 543-66 in Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- GILLIARD, T.C. 1971: Sedimentary paleomagnetic evidence for counter-clockwise rotation of the Fiji Plateau. Unpubl. M.Sc. thesis, University of Hawaii, Honolulu. 28 p.
- GILPIN, L.M. 1982: Tectonic geomorphology of Santo Island, Vanuatu (New Hebrides). Unpubl. M.Sc. thesis, Cornell University, Ithaca, New York. 147 p.
- GILPIN, L.M.; BLOOM, A.L.; ISACKS, B.L.; BEVIS, M.; TAYLOR, F.W.; JOUANNIC, C. 1982: Late Pleistocene coral reef terraces as tiltmeters on Santo Island, Vanuatu (New Hebrides). (Abstr.) *EOS Trans. Am. geophys. Un.* 63(18) : 430.
- GILPIN, L.M.; ISACKS, B.L.; BLOOM, A.L.; JOUANNIC, C.; MAILLET, P.; TAYLOR, F.W. 1981: Geomorphic effects of subduction of d'Entrecasteaux fracture zone under Santo Island, Vanuatu (New Hebrides). (Abstr.) *Abstr. Progr. geol. Soc. Am.* 13.
- GIROD, M. 1978: Séries volcaniques et tectonique des plaques. [Volcanic series and plate tectonics.] Pp 74-96 in Girod, M. et al. (eds) "Les Roches Volcaniques - Pétrologie et Cadre Structural". Editions Doin, Paris.
- GIROD, M.; MAURY, R.C.; BARSDELL, M. 1979: Coexistence de basaltes sursaturés et sous-saturés en silice aux Nouvelles Hébrides : problème de leurs relations génétiques. [Coexistence of basalts over- and under-saturated in silica in the New Hebrides island arc : Problem of their genetic relationship.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D* 288(18) : 1355-58.
- GLADWIN, M.T. 1979: Tectonic monitoring of the Solomon and New Hebrides islands regions. *Tech. Rep. Qd Univ.* : 5 p.

- GLADWIN, M.T. 1979: An earthquake prediction programme in a region of high seismicity. (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys., Canberra 17* : 6.2.
- GORTON, M.P. 1974: The geochemistry and geochronology of the New Hebrides. Unpubl. Ph.D. thesis, Australian National University, Canberra. 300 p.
- GORTON, M.P. 1977: The geochemistry and origin of Quaternary volcanism in the New Hebrides. *Geochim. cosmochim. Acta 41(9)* : 1257-70.
- GOULA, X. 1978: Structure de manteau supérieur dans la partie convexe de l'arc des Nouvelles Hébrides. [Structure of the upper mantle in the convex side of the New Hebrides arc.] Thèse Doct. 3ème Cycle, Université de Grenoble, France. 151 p.
- GOULA, X.; PASCAL, G. 1978: Low shear velocity zone in front of the New Hebrides arc. (Abstr.) *EOS Trans. Am. geophys. Un. 59(4)* : 381.
- GOULA, X.; PASCAL, G. 1979: Structure of the upper mantle in the convex side of the New Hebrides island arc. *Geophys. J.R. astr. Soc. 58(1)* : 145-68.
- GREENBAUM, D. 1973: Geothermal activity on Efate Island. *New Hebrides geol. Surv. Rep.* : 16 p. (Unpubl.)
- GREENBAUM, D. 1974: Central Santo (6). Geothermal activity on Efate (11-13). Geothermal activity on Vanua Lava (13-16). *A. Rep. geol. Surv. New Hebrides 1972* : 22 p.
- GREENBAUM, D. 1975: The Torres Islands (2-5). Eastern Santo (5-6). *A. Rep. geol. Surv. New Hebrides 1973* : 28 p.
- GREENBAUM, D.; MALLICK, D.I.J.; RADFORD, N.W. 1975: Geology of the Torres Islands. *New Hebrides geol. Surv. Reg. Rep.* : 46 p.
- GREENBAUM, D.; MALLICK, D.I.J.; RADFORD, N.W. 1975: Geology of the Torres Islands, 1:100,000. *New Hebrides geol. Surv., Map Ser., Sheet 1*.
- GREENE, H.G.; FALVEY, D.; MACFARLANE, A. 1982: Preliminary report on the geology, structure and resources potential of the Central Basin of Vanuatu, Leg 2 S.P. Lee, 28 April-16 May 1982. *CCOP/SOPAC Tech. Rep. No. 75*.
- GREENE, H.G.; FALVEY, D.; MACFARLANE, A.; Scientific Party of SOPAC Cruise R/V S.P. Lee, 1982: Preliminary results of Leg 2 Lee Cruise in Central Basin of Vanuatu to assess hydrocarbon potential and geologic evolution of New Hebrides arc basins, Southwest Pacific. (Abstr.) *Progm. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 82.  
also in : *Bull. Am. Ass. Petrol. Geol. 66(7)* : 969.
- GREENWAY, M.E.; POSNETT, M.W.; REILLY, P.M. 1974: New Hebrides and New Caledonia (Land Resources Bibliography). Land Resources Division of the Ministry of Overseas Development, Surbiton, Surrey, U.K. No. 4 : 83 p.
- GRIGG, R.W. 1981: Species identification and assessment of CCOP/SOPAC precious coral collections 1980-81. *CCOP/SOPAC Tech. Rep. No. 14*. (Unpubl.)
- GRINDLEY, G.W.; NAIRN, I.D. 1974: Geothermal investigations in Fiji, New Hebrides, and the British Solomon Islands. Unpubl. Rep. N.Z. Geological Survey, New Zealand.
- GUILCHER, A. 1972: Un banc corallien orienté : Reef Island aux Iles Banks, Nouvelles Hébrides. [An oriented coralline bank : Reef Island in the Banks, New Hebrides]. *Pap. 22nd Int. Geogr. Congr., 22(2)* : 1025-26.
- GUILCHER, A. 1974: Coral reefs of the New Hebrides, Melanesia, with particular reference to open-sea, not fringing, reefs. Pp 523-36 in Cameron, A.M. et al. (eds) "Recent History, Sea-level and Geomorphology of Reefs". Proceedings of 2nd International Coral Reef Symposium, Great Barrier Reef Committee, Brisbane, June-July 1973.
- HADÉ, G.; ISACKS, B.; YORK, J.; CAMPILLO, R.; PONTOISE, B.; DUBOISE, J. 1977: Measurements of tittle in the New Hebrides arc. (Abstr.) *EOS Trans. Am. geophys. Un. 58(6)* : 489-90.
- HALUNEN, A.J. 1978: Tectonic relationships on the Fiji Plateau. (Abstr.) In Uyeda, S.; Murphy, R.W.; Kobayashi, K. (eds) "Geodynamics of the Western Pacific". Proceedings of the International Conference on Geodynamics of the Western Pacific - Indonesian Region, March 1978, Tokyo. *Adv. Earth Planet. Sci. 6* : 40.
- HALUNEN, A.J. 1979: Tectonic history of the Fiji Plateau. Unpubl. Ph.D. thesis, University of Hawaii, Honolulu. 127 p.

- HALUNEN, A.J.; VON HERZEN, R.P. 1973: Heat flow in the western equatorial Pacific Ocean. *J. geophys. Res.* 78(23) : 5795-802.
- HANUS, V.; VANEK, J. 1981: Plate tectonic interpretation of deep earthquakes between the Tonga-Lau and New Hebrides subduction zones. *Tectonophysics* 75(3-4) : 819-28.
- HANUS, V.; VANEK, J. 1983: Deep structure of the Vanuatu (New Hebrides) island arc : Intermediate depth collision of subducted lithospheric plates. *N.Z. Jl Geol. Geophys.* 26(2) : 133-54.
- HARRINGTON, H.J. 1976: Tectonics of the Pacific Basin and the Circum-Pacific Rim : An annotated bibliography for the interval 1967-1975. The University of New England, Armidale. 202 p.
- HEMING, R.F. 1977: Port Resolution geothermal area, Tanna. *A. Rep. geol. Surv. New Hebrides 1975* : 34-35.
- HOCHSTEIN, M.P. 1977: Geothermal reconnaissance, Efate. *A. Rep. geol. Surv. New Hebrides 1975* : 29-33.
- HOCHSTEIN, M.P. 1980: Hot springs on the northwestern flank of Mt Suretamati, Vanua Lava. In Ash, R.P.; Carney, J.M.; Macfarlane, A. "Geology of the Northern Banks Islands". *New Hebrides geol. Surv. Reg. Rep.* : 47-52.
- HOCHSTEIN, M.P.; HEMING, R.F. 1976: Reconnaissance study of the Suretamati thermal system, Vanua Lava. *New Hebrides geol. Surv. Occ. Rep. 9/76.* (Unpubl.)
- HOHNEN, P.; RICHMOND, R.N. 1980: National development policies and legal framework for petroleum exploration in the Southwest Pacific. In "Symposium on Petroleum Potential in Island Arcs, Small Ocean Basins, Submerged Margins and Related Areas", Suva, Fiji, September 1979. *U.N. ESCAP, CCOP/SOPAC Tech. Bull. 3* : 15-23.
- HOLDSWORTH, B.K. 1975: Cenozoic Radiolaria biostratigraphy, Leg 30, tropical and equatorial Pacific. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 499-537.
- HUGHES, G.W. 1978: The relationship between volcanic island genesis and the Indo-Australian Pacific plate margins in the Eastern Outer Islands, Solomon Islands, Southwest Pacific. *J. Phys. Earth* 26, *Suppl.* : S123-38.
- HUGHES, G.W. 1979: The relationship between volcanic island genesis and the Indo-Australian Pacific plate margins in the Eastern Outer Islands, Solomon Islands, Southwest Pacific. In Uyeda, S.; Murphy, R.S.; Kobayashi, K. (eds) "Geodynamics of the Western Pacific". Proceedings of the International Conference on Geodynamics of the Western Pacific - Indonesian Region, March 1978, Tokyo. *Adv. Earth Planet. Sci.* 6 : 123-38.
- HUGHES, G.W. 1981: The Duff Islands (1-16). The Reef Islands (17-21). Tinakula volcano (25-33). Tikopia (75-82). Anuta and Fatutaka (83-90). Petrochemistry of the igneous rocks (91-108). In Hughes, G.W.; Craig, P.M.; Dennis, R.A. "Geology of the Eastern Outer Islands". *Bull. Solomon Isl. geol. Surv.* 4 : 108 p.
- HUGHES, G.W.; CRAIG, P.M.; DENNIS, R.A. 1981: "Geology of the Eastern Outer Islands". *Bull. Solomon Isl. geol. Surv.* 4 : 108 p.
- IBRAHIM, A.K.; PONTOISE, B.; LATHAM, G.; LARUE, B.M.; CHEN, T. 1979: Crustal structure in the New Hebrides area. (Abstr.) *EOS Trans. Am. geophys. Un.* 60(18) : 314.
- IBRAHIM, A.K.; PONTOISE, B.; LATHAM, G.; LARUE, B.M.; CHEN, T.; ISACKS, B.; RECY, J.; LOUAT, R. 1980: Structure of the New Hebrides arc - trench system. *J. geophys. Res.* 85(B1) : 253-66.
- ISACKS, P.L. 1978: Tilt measurements in the New Hebrides island arc : Search for aseismic deformation related earthquake generation in a major zone of lithosphere subduction. Semi-annual Tech. Rep. No. 3 for period October 1, 1977 to March 31, 1978. 4 p. (Unpubl.)
- ISACKS, B.L.; BARAZANGI, M. 1977: Geometry of Benioff zones : Lateral segmentation and downwards bending of the subducted lithosphere. Pp 99-114 in Talwani, M.; Pitman, W.C. (eds) "Island Arcs, Deep Sea Trenches, and Back-arc Basins". Maurice Ewing Series 1. American Geophysical Union, Washington. 470 p.

- ISACKS, B.L.; BARAZANGI, M.; OLIVER, J. 1972: Guided shear waves in the descending lithosphere : Evidence for continuity and detachment of slabs in the upper mantle. (Abstr.) *EOS Trans. Am. geophys. Un.* 53(11) : 1414.
- ISACKS, B.L.; BARAZANGI, M.; STEPHENS, C.; YORK, J.; LOUAT, R.; PASCAL, G.; PONTOISE, B.; DUBOIS, J. 1977: Geometry of the lithosphere subducted beneath the central New Hebrides island arc. (Abstr.) *EOS Trans. Am. geophys. Un.* 58(6) : 448.
- ISACKS, B.L.; BEVIS, M.; CHATELAIN, G.; CARDWELL, R.; LOUAT, A. 1979: Search for precursors in the New Hebrides island arc : the August 17, 1979 earthquake (m.s. = 6.2) (Abstr.) *EOS Trans. Am. geophys. Un.* 60(46) : 884.
- ISACKS, B.L.; CARDWELL, R.K.; CHATELAIN, J.L.; BARAZANGI, M.; MARTHELOT, J.M.; CHINN, D.; LOUAT, R. 1981: Seismicity and tectonics of the central New Hebrides island arc. Pp 93-116 in Simpson, D.W.; Richards, P.G. (eds) "Earthquake Prediction : An International Review". Maurice Ewing Series 4. American Geophysical Union, Washington.
- ISACKS, B.L.; COUDERT, E.; CARDWELL, R.; BARAZANGI, M.; LOUAT, R.; LATHAM, G.; CHEN, A.; DUBOIS, J. 1978: Results from a land-OBS seismograph network temporarily deployed across the southern New Hebrides island arc. *Earthq. Notes* 49 : 29-30.
- ISACKS, B.L.; HADE, G.; CAMPILLO, R.; BEVIS, M.; CHINN, D.S.; DUBOIS, J.; RECY, J.; SAOS, J.L. 1979: Measurements of tilt in the New Hebrides island arc. Pp 176-221 in "Proceedings of a Conference on Stress and Strain Measurements Related to Earthquake Prediction". Carmel, California, September 1978. *U.S. geol. Surv. open-file Rep.* 79-370.
- JEZEK, P.A. 1976: Geological studies in the area of the Fiji Plateau, Southwest Pacific. Unpubl. Ph.D. thesis, Amherst, Massachusetts. 432 p. Abstr. in : *Diss. Abstr. Int.* 37(4) : 1594-5B (1976).
- JEZEK, P.A. 1976: Compositional variations within and among volcanic ash layers in the Fiji Plateau area. (Abstr.) *EOS Trans. Am. geophys. Un.* 57(4) : 347. also in : *J. Geol.* 84(5) : 595-616.
- JEZEK, P.A.; BRYAN, W.B.; HAGGERTY, S.E.; JOHNSON, H.P. 1977: Petrography, petrology, and tectonic implications of Mitre Island, northern Fiji Plateau. *Mar. Geol.* 24 : 123-48.
- JOHNSON, B.D.; LAPOUILLE, A.; LARUE, B.M.; HENRY, D.M.; HAWKINS, L.V. 1974: Marine geophysical investigations in Melanesia. (Abstr.) *EOS Trans. Am. geophys. Un.* 55(4) : 301.
- JONES, D.L.; BASSETT, A. 1975: Alteration of sediments in lower part of hole 286. In Andrews, J.E.; Packham, G.H. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 483-88.
- JOUANNIC, C.; TAYLOR, F.W.; BLOOM, A.L. 1982: Sur la surrection et la déformation d'un arc jeune : l'arc des Nouvelles Hébrides. [Uplift and deformation of a young arc : the New Hebrides arc.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM* 147 : 223-46.
- JOUANNIC, C.; TAYLOR, F.W.; BLOOM, A.L.; BERNAT, M. 1980: Late Quaternary uplift history from emerged reef terraces on Santo and Malekula Islands, central New Hebrides island arc. In "Symposium on Petroleum Potential in Island Arcs, Small Ocean Basins, Submerged Margins and Related Areas", Suva, Fiji, September 1979. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 3 : 91-108.
- KAILA, K.L.; KRISHNA, V.G. 1978: Upper mantle velocity structure in the New Hebrides island arc region. *J. Phys. Earth, Suppl.* 26 : S139-53.
- KAILA, K.L.; KRISHNA, V.G. 1979: Upper mantle velocity structure in the New Hebrides island arc region. In Uyeda, S.; Murphy, R.S.; Kobayashi, K. (eds) "Geodynamics of the Western Pacific". Proceedings of the International Conference on Geodynamics of the Western Pacific - Indonesian Region, March 1978, Tokyo. *Adv. Earth Planet. Sci.* 6 : 139-53.
- KAPLIN, P.A.; LEONTYEV, O.K.; ORLOV, A.I. 1975: Coastal forms of Efate Island. In "Insular Shelves of the Tropical Ocean". Acad. Sci. Moscow : 159-65. [in Russian]

- KAPLIN, P.A.; LEONTYEV, O.K.; ORLOV, A.I. 1976: Geomorphology of Efate Island, New Hebrides. *Geomorfologiya* 2 : 57-74. [in Russian, summary in English]
- KARIG, D.E. 1974: Evolution of arc systems in the Western Pacific. *A. Rev. Earth Planet. Sci.* 2 : 51-75.
- KARIG, D.E. 1982: Initiation of subduction zones : Implications for arc evolution and ophiolite development. In Leggett, J.K. (ed.) "Trench-Forearc Geology : Sedimentation and Tectonics on Modern and Ancient Active Plate Margins". *Spec. Publ. geol. Soc. Lond.* 10 : 563-76.
- KARIG, D.E.; SHARMAN, G.P. 1975: Subduction and accretion in trenches. *Bull. geol. Soc. Am.* 86 : 377-89.
- KATZ, H.R. 1980: The assessment of petroleum potential in the offshore areas of the New Hebrides. *CCOP/SOPAC Tech. Rep. No. 7* (Unpubl.)
- KATZ, H.R. 1981: Report on interpretation of seismic profiling data collected on the Vauban cruise in Vanuatu waters. *CCOP/SOPAC Tech. Rep. No. 12* (Unpubl.)
- KATZ, H.R. 1982: Southwest Pacific island arcs : Sedimentary basins and petroleum prospects in New Hebrides and Solomons. (Abstr.) *Prog. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 32.  
also in : *Bull. Am. Ass. Petrol. Geol.* 66 (7) : 972.
- KATZ, H.R. 1982: Mineral resources and maps of New Zealand, the New Hebrides, and the Solomons. (Abstr.) *Prog. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 32.  
also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 972.
- KATZ, H.R.; DANIEL, J. 1981: Structural map of the New Hebrides island arc. Unpubl. map, presented at 10th Sess. CCOP/SOPAC. CCOP/SOPAC.
- KEOGH, B.T. 1977: Pozzolanas from Efate and Tanna. *A. Rep. geol. Surv. New Hebrides 1975* : 26-29.
- KLEIN, G.deV. 1975: Depositional facies of leg 30, Deep Sea Drilling Project sediment cores. In Andrews, J.E.; Packham, G.H. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 423-42.
- KROENKE, L.W. (in press): Tectonic elements of the Southwest Pacific. Chart 2 of the Geophysical Atlas of the Southwest Pacific. Scale 1:6,442,192 at 0°. 2 sheets. Mercator Projection. CCOP/SOPAC, Suva.
- KROENKE, L.W.; EADE, J.V. 1982: Geomorphology, structure and geochemistry of North Fiji Basin triple junction. (Abstr.) *Prog. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 34.  
also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 974.
- KROENKE, L.W.; EADE, J.V. 1982: Cruise report on the second leg of the joint CCOP/SOPAC-Australia-New Zealand-U.S. cruise of R/V *Kana Keoki*, North Fiji Basin. *CCOP/SOPAC Cruise Rep.* (Unpubl.)
- KROENKE, L.W.; JOUANNIC, C.; WOODWARD, P. (comps) 1983: Bathymetry of the Southwest Pacific. Chart 1 of the Geophysical Atlas of the Southwest Pacific. Scale 1:6,442,192 at 0°. 2 sheets. Mercator Projection. CCOP/SOPAC, Suva.
- LADD, H.S. 1966: Chitons and gastropods (Haliotidae through Adeorbidae) from the western Pacific Islands. *Prof. Pap. U.S. geol. Surv.* 531.
- LADD, H.S. 1972: Cenozoic fossil mollusks from western Pacific islands; Gastropods (Turritellidae through Strombidae). *Prof. Pap. U.S. geol. Surv.* 532.
- LADD, H.S. 1975: Two Pleistocene volutes from the New Hebrides (Mollusca : Gastropoda). *Veliger* 18(2) : 134-38.
- LADD, H.S. 1976: New Pleistocene neogastropoda from the New Hebrides. *Nautilus* 90(4) : 127-38.
- LADD, H.S. 1977: Cenozoic fossil mollusks from western Pacific islands; Gastropods (Eratoidae through Harpidae). *Prof. Pap. U.S. geol. Surv.* 533.
- LADD, H.S. 1982: Cenozoic fossil mollusks from western Pacific islands; Gastropods (Eulimidae and Volutidae through Terebridae). *Prof. Pap. U.S. geol. Surv.* 1171.

- LANCELOT, J.R.; BRIQUEU, L.; WESTPHAL, B.; TATSUMOTO, M. 1978: Sr, and Pb isotopic data bearing on the origin of calcalkaline lavas of Pliocene and Quaternary age from Peru and New Hebrides active margins. *In* Zartman, R.E. (ed.) Short Papers of the 4th International Conference on "Geochronology, Cosmochronology and Isotope Geology", Snowmass-at-Aspen, Colorado, August 1978. *U.S. geol. Surv. open-file Rep. 78-101* : 240-41.
- LANDMESSER, C.W.; ANDREWS, J.E.; PACKHAM, G.H. 1975: Aspects of the geology of the eastern Coral Sea and the western New Hebrides Basin. *In* Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 647-62.
- LAPOUILLE, A. 1977: Magnetic surveys over the rises and basins in the Southwest Pacific. Pp 15-28 *in* International Symposium on "Geodynamics of the South-West Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- LAPOUILLE, A. 1978: Southern New Hebrides Basin and western South Fiji Basin as a single marginal basin. *In* Coleman, P.J. (ed.) "Second Southwest Pacific Earthscience Symposium, and I.G.C.P. Project Meeting (Project 110)", Sydney, December 1977. *Bull. Aust. Soc. explor. Geophys. 9(3)* : 130-33.
- LAPOUILLE, A. 1982: Etude des bassins marginaux fossiles du Sud-Ouest Pacifique : bassin Nord-d'Entrecasteaux, bassin Nord-Loyauté, bassin Sud-Fidjien. [Study of the fossil marginal basins of the Southwest Pacific : North d'Entrecasteaux, North Loyalty and South Fiji Basins.] *In* Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 409-38.
- LAPOUILLE, A.; DUGAS, F. 1975: Geological evolution of New Hebrides and Loyalty areas. *Bull. Aust. Soc. explor. Geophys. 6(2-3)* : 52.
- LAPOUILLE, A.; WEISSEL, J.K. 1979: Magnetic survey in the New Hebrides Basin (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys., Canberra 17* : 5.15.
- LARUE, B.M.; PONTOISE, B.; MALAHOFF, A.; LAPOUILLE, A.; LATHAM, G.V. 1982: Bassins marginaux actifs du Sud-Ouest Pacifique : plateau Nord-Fidjien, bassin de Lau. [Active marginal basins of the Southwest Pacific : North Fiji Basin, Lau Basin.] *In* Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 363-406.
- LATHAM, G.V.; IBRAHIM, A.K.; DUBOIS, J. 1977: Results from seismic refraction experiments in the New Hebrides using ocean bottom seismographs. (Abstr.) *EOS Trans. Am. geophys. Un. 58(6)* : 508.
- LATHAM, G.V.; ISACKS, B.L.; DUBOIS, J. 1978: Seismicity and structure of the New Hebrides arc - trench system. (Abstr.) *Progm. Abstr. 2nd Circum-Pacific Energy and Mineral Resources Conf., Honolulu*.  
also in : *Bull. Am. Ass. Petrol. Geol. 62(7)* : 1225.
- LAUNAY, J. 1982: Morphologie et structure de l'arc insulaire des Nouvelles Hébrides dans sa terminaison sud. [Morphology and structure of the New Hebrides island arc in its southern end.] *In* Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 163-78.
- LAUNAY, J. 1982: Essai de schéma tectonique de la terminaison sud de l'arc insulaire des Nouvelles Hébrides. [An attempt to a tectonic scheme of the southern end of the New Hebrides island arc.] *In* Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 217-20.
- LAUNAY, J.; LARUE, B.M. 1982: Présentation de la terminaison méridionale de l'arc insulaire des Nouvelles Hébrides du point de vue régional et rappel des données autériennes. [Introduction to the southern end of the New Hebrides island arc in its regional aspect with review of former data.] *In* Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 159-81.
- LAUNAY, J.; LARUE, B.M.; LOUAT, R.; MAILLET, P.; MONZIER, M. 1979: Southern end of the New Hebrides arc : Morphology, petrography, seismicity and gravimetry. (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys, Canberra 17* : 5.13.

- LAUNAY, J.; LARUE, B.M.; LOUAT, R.; MAILLET, P.; MONZIER, M. 1980: Le terminaison sud de l'arc de Nouvelles Hébrides : morpho-structure, pétrologie, sismicité, gravimétrie. [The southern termination of the New Hebrides arc : Morphostructure, petrology, seismicity, gravimetry.] (Abstr.) *Abstr. 26th Int. Geol. Congr., Paris 26(2)* : 732.
- LEMOINE, M.; RICARD, M.; DUGAS, F. 1981: Les algues calcaires fossiles de biomicrites draguées sur l'arc du Vanuatu (Nouvelles Hébrides). [Fossil calcareous algae in biomicrites dredged from the Vanuatu arc, New Hebrides.] *C. r. hebd. Séanc. Acad. Sci. Paris, ser. 2, 292(10)* : 805-8.
- LOUAT, R. 1980: Contribution à l'étude du risque sismique aux Nouvelles-Hébrides. [Study of seismic risk in the New Hebrides.] (Abstr.) *Abstr. 26th Int. Geol. Congr., Paris 26(3)* : 1229.  
also in : *Bull. Bur. Rech. Géol. Minier. sér. 2, Sect. 4(2)* : 107.
- LOUAT, R. 1982: Sismicité et subduction de la terminaison sud de l'arc insulaire des Nouvelles Hébrides. [Seismicity and subduction of the southern end of the New Hebrides island arc.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 179-85.
- LOUAT, R.; COLLOT, J.Y.; DANIEL, J.; ISACKS, B.L.; LATHAM, G.; MAILLET, P.; MALAHOFF, A.; PONTOISE, B. 1979: New Hebrides subduction zone. (Abstr.) *Gen. Assembly 17th Int. Un. Geod. Geophys., Canberra 17* : 5.12.
- LOUAT, R.; DANIEL, J.; ISACKS, B. 1982: Sismicité de l'arc des Nouvelles Hébrides. [Seismicity of the New Hebrides arc.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 111-48.
- LOUAT, R.; DUBOIS, J.; ISACKS, B.L. 1979: Anomalous propagation of seismic waves through the zone of shearing contact between converging plates of the New Hebrides arc. *Nature, Lond. 281(5729)* : 293-95.
- MACCANN, W.R. 1980: Seismic potential and seismic regimes of the Southwest Pacific. (Abstr.) *EOS Trans. Am. geophys. Un. 61(17)* : 292.
- MACFARLANE, A. 1976: Volcanic activity during 1974 (11-13). Seismic activity (22-25). *A. Rep. geol. Surv. New Hebrides 1974* : 27 p.
- MACFARLANE, A. 1977: Futuna (5-6). Volcanic activity (18-21). Metallurgical limestones (24-25). Beach sands (25). Bauxite soils (25-26). Seismic activity (36-38). *A. Rep. geol. Surv. New Hebrides 1975* : 40 p.
- MACFARLANE, A. 1982: Minerals and energy prospects in small island nations of Southwest Pacific : Vanuatu, a type example. (Abstr.) *Progm. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 35.  
also in : *Bull. Am. Ass. Petrol. Geol. 66(7)* : 975.
- MACFARLANE, A.; CARNEY, J.M. 1981: Economic minerals in Vanuatu - known and potential resources. (Abstr.) Pp 8-11 in Conference on "Resource Potential and Implications of Mineral Development in the South Pacific". Arovo Island, Papua New Guinea, September 1981. East-West Center, Honolulu.
- MACFARLANE, A.; CARNEY, J.N.; HARRISON, W.; TARI, A.; MALLICK, D.I.J. (in press): Geology of North Santo, 1:100,000. *Vanuatu geol. Surv., Map Ser., Sheet 3*.
- MACDONALD, K.C.; LUYENDYK, B.P.; BRYAN, W.B. 1972: Heat flow and plate boundaries in Melanesia. *EOS Trans. Am. geophys. Un. 53(4)* : 518.
- MAILLET, P. 1982: Quelques notes à propos de la pétrologie des volcanites de la chaîne centrale, de Vate à Anatom. [Petrology of the volcanites of the New Hebrides central belt, from Efate to Aneityum.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 61-78.
- MAILLET, P.; MONZIER, M. 1982: Volcanisme et pétrologie des îles Matthew et Hunter : données préliminaires. [Volcanism and petrology of Matthew and Hunter islands : preliminary data.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 187-215.



- MAILLET, P.; MONZIER, M.; LEFEVRE, C. 1983: Petrology of Matthew and Hunter volcanoes (South New Hebrides Arc). (Abstr.) *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 157-58.
- MAILLET, P.; MONZIER, M.; SELO, M.; STORZER, D. 1982: La zone d'Entrecasteaux (Sud-Ouest Pacifique) : nouvelle approche pétrologique et géochronologique. [The d'Entrecasteaux zone, Southwest Pacific : new petrologic and geo-chronologic approach.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 441-58.
- MALAHOFF, A. 1973: Evolution of sea-floor structures of the western margin of the Fiji Plateau and the New Hebrides island arc. (Abstr.) P. 344 in Fraser, R. (comp) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- MALAHOFF, A.; FEDEN, R.H.; FLEMING, H.S. 1982: Magnetic anomalies and tectonic fabric of marginal basins north of New Zealand. *J. geophys. Res.* 87(B5) : 4109-25.
- MALICK, D.I.J. 1974: Ambrym (3). Southwest Santo (4-5). Volcanic activity (7-10). Seismic activity (16-20). *A. Rep. geol. Surv. New Hebrides 1972* : 22 p.
- MALICK, D.I.J. (comp.) 1974: Geological map of the New Hebrides Condominium at 1:1,000,000.
- MALICK, D.I.J. 1975: Development of the New Hebrides archipelago. *Phil. Trans. R. Soc., ser. B* : 11-19.
- MALICK, D.I.J. 1975: Western and southern Santo. *A. Rep. geol. Surv. New Hebrides 1973* : 6-8.
- MALICK, D.I.J.; ASH, R.P. 1975: Geology of the southern Banks Islands. *New Hebrides geol. Surv. Reg. Rep.* : 33 p.
- MALICK, D.I.J.; GREENBAUM, D. 1975: The Navaka fossiliferous sands and the Kere shell bed. *A. Rep. geol. Surv. New Hebrides 1973* : 8-12.
- MALICK, D.I.J.; GREENBAUM, D. 1975: Geology of South Santo, 1:100,000. *New Hebrides geol. Surv., Map Ser., Sheet 4*.
- MALICK, D.I.J.; GREENBAUM, D. 1977: Geology of Southern Santo. *New Hebrides geol. Surv. Reg. Rep.* : 84 p.
- MALICK, D.I.J.; MACFARLANE, A. 1975: Volcanic activity during 1973 (13). Eruption predictions by Dr C. Blot and volcanism activity of Gaua, late 1973-early 1974 (14-18). Seismic activity (23-26). *A. Rep. geol. Surv. New Hebrides 1973* : 28 p.
- MALICK, D.I.J.; NEEF, G. 1974: Geology of Pentecost. *New Hebrides geol. Surv. Reg. Rep.* : 103 p.
- MALICK, D.I.J.; STEPHENSON, P.J.; NEEF, G.; MCCALL, G.J.H.; LEMAITRE, R.W.; ROBINSON, G.P.; WARDEN, A.J.; GREENBAUM, D. 1976: Geology of Pentecost and Ambrym, 1:100,000. *New Hebrides geol. Surv., Map Ser., Sheet 6*.
- MAMMERICKX, J.; CHASE, T.E.; SMITH, S.M.; TAYLOR, I.L. 1974: Bathymetry of the South Pacific. Chart 12 (revised). Scripps Institution of Oceanography, La Jolla.
- MARCELOT, G. 1980: Contribution à l'étude du volcanisme des Nouvelles Hébrides : pétrographie, minéralogie et géochimie des laves d'Erromango. [Volcanism in the New Hebrides : petrography, mineralogy and geochemistry of the lavas from Erromango.] Thèse 3ème Cycle, Université de Paris-Sud (Orsay). 252 p.
- MARCELOT, G. 1981: Géochimie des laves de l'île d'Erromango (Nouvelles Hébrides) : implications pétrogénétiques. [Geochemistry of the lavas of Erromango, New Hebrides : Petrogenetic implications.] *Bull. Soc. Géol. Fr.* 23(4) : 367-76.
- MARCELOT, G.; LEFEVRE, C.; MAILLET, P.; MAURY, R.C. 1979: Contribution à l'étude du volcanisme de l'arc des Nouvelles Hébrides : caractérisation de deux séries magmatiques de l'île d'Erromango. [Volcanism of the New Hebrides arc : Characterisation of two magmatic series on Erromango.] *Bull. Soc. Géol. Fr.* 21(5) : 631-41.
- MARTHELOT, J.M.; COUDERT, E.; ISACKS, B.L. 1980: Tidal tilting from localised ocean loading in the New Hebrides arc. *Bull. seism. Soc. Am.* 70(1) : 283-92.
- MARTHELOT, J.M.; ISACKS, B.L. 1980: Space-time distribution of shallow and intermediate earthquakes in the New Hebrides island arc. (Abstr.) *EOS Trans. Am. geophys. Un.* 61(17) : 288-89.

- MITCHELL, A.H.G. 1971: Geology of Malebula, 1:100,000. *New Hebrides geol. Surv., Map Ser., Sheet 7*.
- MITCHELL, A.H.G.; DUBOIS, J. 1967: Geological and geophysical publications on the New Hebrides. *N.Z. J. Geol. Geophys.* 10(5) : 1275.
- MITSUNOBU, T.; LANCELOT, J.R.; BRIQUEU, L.; WESTPHAL, B. 1979: Strontium and lead isotopic composition in volcanic rocks from Peru and New Hebrides : Genesis of calc-alkaline lava. *Prof. Pap. U.S. geol. Surv.* 1150 : 188-89.
- MOLNAR, P.; ATWATER, T.; MAMMERICKX, J.; SMITH, M. 1975: Magnetic anomalies, bathymetry and the tectonic evolution of the Southwest Pacific since the Late Cretaceous. *Geophys. J. R. astr. Soc.* 40 : 383-420.
- MONAHAN, D.; FALCONER, R.H.K.; THARP, M. (scient. co-ord.) 1982: General bathymetric Chart of the Oceans (GEBCO). 5th Edition. Sheet 5.10. Scale 1:10,000,000 at 0°. Mercator Projection. IHO/IOC.
- MONZIER, M.; COLLOT, J.Y.; DANIEL, J. 1983: Carte bathymétrique des parties centrale et méridionale de l'arc insulaire des Nouvelles-Hébrides. [Bathymetric map of central and southern parts of the New Hebrides island arc.] ORSTOM, Paris.
- NEEF, G. 1980: Mode of formation of an earliest Pliocene - latest Miocene basaltic, pillow-lava pile present at Pentecost Island, New Hebrides, and its bearing on the formation of basaltic tectite. *Bull. volc., ser. 2*, 43(3) : 505-10.
- NEEF, G. 1982: Plate tectonic significance of late Oligocene/early Miocene deep sea sedimentation at Maewo, Vanuatu (New Hebrides). In Packham, G.H. (ed.) "The Evolution of the India-Pacific Plate Boundaries". Proceedings of 3rd Southwest Pacific Earthscience Symposium, I.G.C.P. Project, Sydney, December 1979. *Tectonophysics* 87(1-4) : 177-83.
- NEEF, G.; VEEH, H.H. 1977: Uranium series ages and late Quaternary uplift in the New Hebrides. *Nature, Lond.* 269(5630) : 682-83.
- OUSTLAND, J.L. 1980: Modélisation à partir des données marines de sismique réfraction et de gravimétrie. Application à quelques exemples dans le Sud-Ouest Pacifique. [Modelisation from marine seismic refraction and gravimetry data : Application to a few examples in the Southwest Pacific.] Thèse Doct. 3ème Cycle, Université Pierre et Marie Curie, Paris VI. 343 p.
- PACKHAM, G.H. 1973: A speculative Phanerozoic history of the Southwest Pacific. Pp 369-88 in Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Basins, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- PACKHAM, G.H. 1975: Aspects of the geological history of the New Hebrides and South Fiji Basins. *Bull. Aust. Soc. explor. Geophys.* 6(2-3) : 50-51.
- PACKHAM, G.H.; ANDREWS, J.E. 1975: Results of Leg 30 and the geologic history of the Southwest Pacific arc and marginal sea complex. In Andrews, J.E.; Packham, G.H. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 691-705.
- PACKHAM, G.H.; FALVEY, D.A. 1980: Tectonic evolution and kinematics of the Southwest Pacific. (Abstr.) In "Second International Workshop on Geology, Mineral Resources and Geophysics of the South Pacific", New Caledonia, October 1980. CCOP/SOPAC-IOC/WESTPAC.
- PALTECH PTY LTD, 1979: Age and environmental determination of six samples from Maewo and Santo Islands, New Hebrides. *New Hebrides geol. Surv. Occ. Rep.* 1/79. (Unpubl.)
- PALTECH PTY LTD, 1981: Mid Miocene biostratigraphic and biofacies distribution of Foraminifera in northwest Santo samples. *New Hebrides geol. Surv. Occ. Rep.* 1/81. (Unpubl.)
- PALTECH PTY LTD, 1982: Biostratigraphical and paleoenvironmental results for preliminary geothermal project, Efate Island. *New Hebrides geol. Surv. Occ. Rep.* 1/82. (Unpubl.)
- PARROT, J.F.; DUGAS, F. 1979: Southwest Pacific geodynamic model based on the ophiolites and ophiolite-related metamorphic rocks. (Abstr.) *Abstr. 14th Pacif. Sci. Congr., Khabarovsk* 14 : 32-33.

- PARROT, J.F.; DUGAS, F. 1980: Southwest Pacific geodynamic model based on the ophiolites and ophiolite-related metamorphic rocks. (Abstr.) *Abstr. 26th Int. Geol. Congr., Paris 26* : 374.
- PARROT, J.F.; DUGAS, F. 1980: The disrupted ophiolitic belt of the Southwest Pacific : Evidence of an Eocene subduction zone. *Tectonophysics* 66(4) : 349-72.
- PASCAL, G. 1973: Descent of lithosphere beneath New Hebrides, Tonga-Fiji and New Zealand : Evidence for detached slabs. *Nature, Lond.* 242(5393) : 98-101.
- PASCAL, G. 1974: Contribution à l'étude de la séismicité des Nouvelles Hébrides. [Study of the seismicity in the New Hebrides.] Thèse Doct. Etat, Université de Paris VI. 133 p.
- PASCAL, G.; DUBOIS, J.; BARAZANGI, M.; ISACKS, B.L.; OLIVER, J. 1973: Seismic velocity anomalies beneath the New Hebrides island arc : Evidence for a detached slab in the upper mantle. *J. geophys. Res.* 78(29) : 6998-7004.  
also in : *EOS Trans. Am. geophys. Un.* 54(9) : 879 (1973).
- PASCAL, G.; ISACKS, B.L.; BARAZANGI, M.; DUBOIS, J. 1978: Precise relocations of earthquakes and seismotectonics of the New Hebrides island arc. *J. geophys. Res.* 83 (B10) : 4957-73.
- PONTOISE, B. 1977: Réfraction aux Nouvelles Hébrides. [Seismic refraction in the New Hebrides.] Unpubl. Rep. ORSTOM, Nouméa. 28 p.
- PONTOISE, B.; LATHAM, G.V.; DANIEL, J.; DUPONT, J.; IBRAHIM, A.B.K. 1980: Seismic refraction studies in the New Hebrides and Tonga area. In "Symposium on Petroleum Potential in Island Arcs, Small Ocean Basins, Submerged Margins and Related Areas", Suva, September 1979. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 3 : 47-58.
- PONTOISE, B.; LATHAM, G.V.; IBRAHIM, A.B.K. 1982: Sismique réfraction : structure de la croûte aux Nouvelles Hébrides. [Seismic refraction : structure of the crust in New Hebrides.] In Equipe Géologie-Géophysique ORSTOM Nouméa "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM* 147 : 79-90.
- POUPINET, G. 1977: Hétérogénéités du manteau terrestre déduites de la propagation des ondes de volume. Implication géodynamique. [Heterogeneity of the mantle inferred from the propagation of the volume waves. Geodynamic implication.] Thèse Doct. Etat, Université de Grenoble, France. 234 p.
- QUANTIN, P. 1971: On the nature and the fertility of volcanic ash soils derived from recent volcanic eruptions in the New Hebrides archipelago. (Abstr.) *Abstr. 12th Pacif. Sci. Congr., Canberra* 12(1) : 5-6.
- QUANTIN, P. 1972: Note sur la nature et la fertilité des sols sur cendres volcaniques provenant d'éruptions récentes dans l'archipel des Nouvelles Hébrides. [The nature and fertility of soils on volcanic ashes from recent eruptions in the New Hebrides.]  
1ère partie : *Cah. ORSTOM, sér. Pédol.* 10(2) : 123-33.  
2ème partie : *Cah. ORSTOM, sér. Pédol.* 10(2) : 135-51.  
3ème partie : *Cah. ORSTOM, sér. Pédol.* 10(3) : 207-15.
- QUANTIN, P. 1974: Genèse et évolution des substances minérales amorphes et cristallisées dans les andosols des Nouvelles Hébrides. [Genesis and evolution of amorphous and crystalline minerals in the andosols of the New Hebrides.] In Gorbunov, N.I. et al. (eds) "Mineralogy and Micromorphology of Soils". *Proc. Int. Congr. Soil Sci.* 10(7) : 37-43.
- QUANTIN, P. 1975: Soils of the New Hebrides islands. *Phil. Trans. R. Soc., ser. B, Biol. Sci.* 272(918) : 277-86.
- QUANTIN, P.; BADAUT-TRAUTH, D.; WEBER, F. 1975: Mise en évidence de minéraux secondaires, argiles et hydroxydes, dans les andosols des Nouvelles-Hébrides, après la déferrification par la méthode de Endredy. [Evidence of secondary minerals, clays and hydroxides in the andosols of the New Hebrides, after deferrification by the Endredy method.] *Bull. Grpe Fr. Argiles* 27(1) : 51-67.

- QUANTIN, P.; FERNANDEZ-CALDAS, E.; GUTTIEREZ-JEREZ, F.; TEJEDOR, M.L.; DELIBRIAS, G. 1975: Problème du rajeunissement des sols issus de l'altération de roches volcaniques par des éruptions récentes de cendres aux Nouvelles-Hébrides et aux îles Canaries. [Rejuvenation of soils derived from the weathering of volcanic rocks by recent eruptions of ashes in the New Hebrides and Canary Islands.] *Bull. As. Géogr. Fr.* 52(426) : 211-17.
- QUANTIN, P.; SIEFFERMANN, G. 1975: Characterisation of an iron rich halloysite, derived from the weathering of volcanic tuffs in Efate, New Hebrides. (Abstr.) P. 247 in Proceedings of International Clay Conference, Instituto Geologica, Universidad Nacional, Auton, Mexico.
- RADFORD, N.W. 1974: Base metal mineralisation on Santo Island, New Hebrides. *New Hebrides geol. Surv. Rep.* : 19 p. (Unpubl.)
- RADFORD, N.W. 1975: Bauxitic soils (18-19). Base metal mineralisation, Santo (19-22). Natural pozzolanic materials, Efate (22). Roadstone (23). *A. Rep. geol. Surv. New Hebrides 1973* : 28 p.
- RADFORD, N.W. 1976: Southwest Cumberland Peninsula, North Santo (8-10). Copper mineralisation, North Efate (14-15). Sulphide mineralisation, North Erromango (16). Magnetite-bearing beach sands (17-18). Pozzolanans (20-21). Metallurgical limestones (21-22). *A. Rep. geol. Surv. New Hebrides 1974* : 27 p.
- RAVENNE, C.; PASCAL, G.; DUBOIS, J.; DUGAS, F.; MONTADERT, L. 1977: Model of a young intra-oceanic arc : The New Hebrides island arc. Pp 63-78 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- REVEYROL, Y. 1974: Le Gharat : un volcan qui ne veut pas se reveiller. [Gharat : A volcano which does not want to wake up.] *Recherche* 5(45) : 482-83.
- REMY, J.M. 1979: Caractéristiques magmatiques, pétrochimiques et géodynamiques du volcanisme ancien des Nouvelles Hébrides (île Espiritu-Santo). [Magmatic, petrochemical and geodynamic characteristics of the ancient volcanism of New Hebrides : Espiritu Santo Island.] *C. r. hebd. Séanc. Acad. Sci., Paris, sér. D* 288(13) : 1019-22.
- ROCA, J.L. 1978: Contribution à l'étude pétrologique et structurale des Nouvelles Hébrides. [Petrologic and structural study of the New Hebrides.] These Doct. 3ème Cycle, Université du Languedoc, Montpellier, France. 158 p.
- ROCA, J.L. 1978: Essai de détermination du champ des contraintes dans l'archipel des Nouvelles-Hébrides. [Study of the stress field in the New Hebrides.] *Bull. Soc. Géol. Fr.* 20(4) : 511-18.
- SAOS, J.L. 1979: Zone économique des Nouvelles Hébrides. Carte bathymétrique. [Economic zone of New Hebrides : Bathymetric map.] Scale 1:2,000,000. Mercator Projection. Service des Mines (Mines Department), Port Vila. (Unpubl.)
- SAOS, J.L.; JOUANNIC, C. 1979: New Hebrides offshore survey, croise NH-79(1). *CCOP/SOPAC Cruise Rep. No. 28* : 9 p. (Unpubl.)
- SHAFIK, S. 1975: Nannofossil biostratigraphy of the Southwest Pacific, DSDP, Leg 30. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 549-98.
- STACEY, F.R.; BAIN, J.A.; DAVIS, A.E.; RICE, C.M. 1972: The pozzolanic properties of coarse pumice breccia and pumiceous tuffs from the New Hebrides. I.G.S., Analytical and Ceramics Unit, Rep. No. 65. (Unpubl.)
- STACEY, F.R.; WAINE, E.; BASHAM, I.R.; MORGAN, D.J. 1974: The assessment of pozzolanic properties of pumiceous breccia from the New Hebrides. I.G.S., Analytical and Ceramics Unit, Rep. No. 94. (Unpubl.)
- STEPHENS, C. 1977: A short term micro-earthquake survey in the New Hebrides island arc : Closing the gap. Unpubl. M.Sc. thesis, Cornell University, Ithaca, New York. 46 p.
- STEPHENSON, P.J. 1976: The petrology of Ambrym Island, New Hebrides. (Abstr.) *Abstr. 25th Int. Geol. Congr., Sydney 25(1)* : sect. 2, 64-65.

- STEPHENSON, P.J.; MCCALL, G.J.H.; LEMAITRE, R.S.; ROBINSON, G.P.; MALLICK, D.I.J. (in press): Geology of Ambrym. *New Hebrides geol. Surv. Reg. Rep.*
- STOESER, D.R. 1975: Igneous rocks from Leg 30, DSDP. In Andrews, J.E.; Packham, G.H. *et al.* "Igneous rocks from Leg 30, DSDP. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 401-14.
- TAYLOR, D. 1977: The ages and environments of micropalaeontological examples from north Santo, New Hebrides. *New Hebrides geol. Surv. Occ. Rep. 2/77.* (Unpubl.)
- TAYLOR, F.W.; BLOOM, A.L.; JOUANNIC, C. 1977: Uplifted Quaternary reefs and tectonics of the New Hebrides island arc. (Abstr.) *Abstr. Progr. geol. Soc. Am. 9(7)* : 1196.
- TAYLOR, F.W.; BLOOM, A.L.; JOUANNIC, C. 1980: Vertical tectonism in the Tonga and New Hebrides island arcs. (Abstr.) *Abstr. Progr. geol. Soc. Am. 12(7)* : 533-34.
- TAYLOR, F.W.; BLOOM, A.L.; LECOLLE, J. 1982: Coral growthband dating of vertical tectonism in recent decades, Vanuatu (New Hebrides) arc. (Abstr.) *EOS Trans. Am. geophys. Un. 63(18)* : 436.
- TAYLOR, F.W.; FAIRBANKS, R.G.; JOUANNIC, C.; BLOOM, A.L. 1979: Sclerochronology : A new method for absolute dating of paleoseismic uplift. (Abstr.) *EOS Trans. Am. geophys. Un. 60* : 400.
- TAYLOR, F.W.; ISACKS, B.L.; GILPIN, L.; BLOOM, A.L.; MAILLET, P. 1980: Uplift history of the central New Hebrides island arc : Comparison of the 10.1 and 10.5 year time scales. (Abstr.) *EOS Trans. Am. geophys. Un. 61(10)* : 109.
- TAYLOR, F.W.; ISACKS, B.L.; JOUANNIC, C.; BLOOM, A.L.; DUBOIS, J. 1980: Coseismic and Quaternary vertical tectonic movements, Santo and Malekula Islands, New Hebrides arc. *J. geophys. Res. 85(B10)* : 5367-81.  
Correction in : *J. geophys. Res. 86(B7)* : 6066.
- TAYLOR, F.W.; JOUANNIC, C.; GILPIN, L.; BLOOM, A.L. 1982: Coral colonies as monitors of change in relative level of land and sea : Applications to vertical tectonism. In Proceedings of the 4th International Coral Reef Symposium, Manila, May 1981.
- TAYLOR, F.W.; JOUANNIC, C.; ISACKS, B.L.; BLOOM, A.L.; DUBOIS, J. 1978: Vertical motions associated with an earthquake sequence in the New Hebrides island arc. (Abstr.) *EOS Trans. Am. geophys. Un. 59(4)* : 382.
- TAZIEFF, H. 1963: Il volcano Tinakula (Pacifico occidentale). [Tinakula volcano, Western Pacific.] *Atti della Soc. Toscana Sci. Nat. 70(A2)* : 443-51. [in Italian, with French and English summaries.]
- TERCINIER, G. 1974: Cristallogchimie des sols ferrallitiques totalement desilicifiés d'une région tres humide de l'Océanie intertropicale. [Crystallo-chemistry of ferrallitic, completely desilicified soils in a very humid region of intertropical Oceania.] In Gorbunov, N.I. *et al.* (eds) "Mineralogy and Micromorphology of Soils". *Trans. Int. Congr., Soil Sci. 10(7)* : 61-68 (commissions 7 and 5).
- THOMPSON, R.B. 1966: Geochemical investigations. *A. Rep. geol. Surv. New Hebrides 1964* : 18-19.
- THORNTON, I.W.B. 1980: Plate tectonics and the distribution of the insect family Philotarsidae (Order Psocoptera) in the Southwest Pacific. *Palaeogeogr. Palaeoclim. Palaeocol. 31* : 251-66.
- VIDALE, J.; KANAMORI, H. 1981: The Oct. 1980 earthquake sequence in a seismic gap near the Loyalty Islands, New Hebrides. (Abstr.) *EOS Trans. Am. geophys. Un. 64(45)* : 945.
- WARDEN, A.J. 1971: Genesis of the Forari manganese deposit, New Hebrides. *Trans. Inst. Min. Metall. 80B* : 72-74. [Author's reply to discussion.]
- WARDEN, A.J.; CARNEY, J.N. 1979: Geology of Aoba and Maewo, 1:100,000. *New Hebrides geol. Surv., Map Ser., Sheet 5.*
- WARDEN, A.J.; COLEMAN, P.J. 1975: New Hebrides. Pp 383-90 in Fairbridge, R.W. (ed.) "The Encyclopaedia of World Regional Geology, Part 1 : Western Hemisphere (including Antarctica and Australia)". Dowden, Hutchinson & Ross, Stroudsburg, Pennsylvania.

- WARDEN, A.J.; MITCHELL, A.H.G. 1974: New Hebrides. Pp 433-43 in Spencer, A.M. (ed.) "Mesozoic-Cenozoic Orogenic Belts : Data for Orogenic Studies". Scottish Academic Press, London, for The Geological Society. (*Spec. Publ. geol. Soc. Lond.* 4.)
- WARDEN, A.J.; MITCHELL, A.H.G.; CURTIS, R.; ESPIRAT, J.J. 1972: Geology of the Central Islands, 1:100,000. *New Hebrides geol. Surv., Map Ser., Sheet 8.*
- WEISSEL, J.K.; WATTS, A.B.; LAPOUILLE, A. 1982: Evidence for late Paleocene to late Eocene seafloor in the southern New Hebrides Basin. In Packham, G.H. (ed) "The Evolution of the India-Pacific Plate Boundaries". Proceedings of the 3rd Southwest Pacific Earthscience Symposium, I.G.C.P. Project 110, Sydney, December 1979. *Tectonophysics* 87(1-4) : 243-51.
- WEISSEL, J.K.; WATTS, A.B.; LAPOUILLE, A.; KARNER, G.; JONGSMA, D. 1977: Preliminary results from recent geophysical investigations in marginal basins of Melanesia. (Abstr.) *EOS Trans. Am. geophys. Un.* 58(6) : 504.
- WILLIAMSON, K.H. 1980: Geothermal prospects in the New Hebrides. I.G.S., Hydrogeological Unit, Rep. WD/OS/80/81. (Unpubl.)
- WYSS, M.; HABERMANN, R.E.; HEINIGER, C.L. 1981: Seismicity patterns in the New Hebrides island arc. (Abstr.) *EOS Trans. Am. geophys. Un.* 64(45) : 946.
- YORK, J. 1977: Seismotectonics in intraplate and interplate regions : Eastern North America, eastern Taiwan, China, and New Hebrides. Unpubl. Ph.D. thesis, Cornell University, Ithaca, New York. 152 p.
- YORK, J.; ISACKS, B.L.; LOUAT, R. 1977: Composite fault plane solutions for micro-earthquakes beneath the central New Hebrides island arc. (Abstr.) *EOS Trans. Am. geophys. Un.* 58(12) : 1232.
- ZEMMELS, I.; COOK, H.E.; MATTI, J.C. 1975: X-ray mineralogy data, Tasman Sea and far Western Pacific, Leg 30, DSDP. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 603-16.

BIBLIOGRAPHY OF  
GEOLOGY AND GEOPHYSICS  
OF WALLIS AND FUTUNA

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- AUBERT DE LA RUE, E. 1935: La constitution géologique des îles Wallis et Futuna. *C. r. hebdomadaire des séances de l'Académie des Sciences, Paris* 200 : 328-30.
- AUBERT DE LA RUE, E. 1965: Introduction à la géologie et à la géographie des îles Wallis et Horn. *J. Soc. Ocean.* 19(19) : 47-56.
- BALTZER, R. 1962: Compte rendu des possibilités hydrogéologiques du lac Lanutavake. Unpubl., Rep., ORSTOM, Nouméa.
- BLANC (Mgr) 1914: "Les îles Wallis". Perrin, Paris. 222 p.
- BOSQUET, D. 1973: Reconnaissance hydrogéologique et géophysique de l'île Uvea (Wallis). Unpubl. Rep., ORSTOM, Nouméa. 13 p.
- BROCHER, T.M.; HOLMES, R. 1982: Tectonic framework of Melanesian Borderland. (Abstr.) *Prog. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 19-20.  
also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 960.
- BROCHER, T.M.; HOLMES, R. 1982: Paleoboundary between the Pacific and Austral-Indian plates on the northern Melanesian Borderland. (Abstr.) *EOS Trans. Am. geophys. Un.* 63(45) : 1120.
- BROCHER, T.M.; HOLMES, R. 1982: Geochemical and structural studies of the northern Melanesian Borderland, *Kana Keoki* cruise 820316, Leg 2. *CCOP/SOPAC Cruise Rep.* 73.
- CORNET, G. 1963: Programme d'étude hydrogéologique aux îles Wallis. Unpubl. Rep., BRGM, Nouméa.
- CULLEN, D.J.; BURNETT, W.C. 1983: Seamount phosphate deposits in the South Pacific. (Abstr.) *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin* 52-53.
- DICKINSON, W.R. 1976: Temper sands in sherds from Futuna, Alofi, and Uvea (Horn and Wallis Islands). App. 2 in Kirch, P.V. "Archaeological investigations in Futuna and Uvea (Western Polynesia) : A preliminary report". *J. Polynes. Soc.* 85 : 64-67.
- DOUGLAS, G. 1969: Check list of Pacific oceanic islands. *Micronesia* 5(2) : 326-46.
- DOUMENGE, F. 1961: Observations à propos des formations coralliennes de l'île Wallis. *Bull. Ass. Géogr. fr.* 1961 : 186-96.
- DUPONT, J.; MAILLET, P. 1982: Rapport de mission à Wallis (8-23 Janvier 1982). Unpubl. Rep., BRGM, Nouméa.
- ESPIRAT, J.J. 1964: Etude hydrogéologique de l'île Uvea. Unpubl. Rep., BRGM, Nouméa.
- FOUHY, E.; THOMPSON, R.M.C. 1980: Selected list of bibliographies of South Pacific Islands. *Misc. Publ. N.Z. oceanogr. Inst.* 91 : 30 p.
- KROENKE, L.W.; JOUANNIC, C.; WOODWARD, P. (comps) 1983: Bathymetry of the Southwest Pacific. Chart 1 of the Geophysical Atlas of the Southwest Pacific. Sale 1:6,442,192 at 0°. 2 Sheets. Mercator Projection. CCOP/SOPAC.
- LANDS AND SURVEY, New Zealand, 1978: Wallis and Futuna. Pp 19-20, pl. 10 in "Atlas of the South Pacific". Government Printer, Wellington.
- MACDONALD, G.A. 1945: Petrography of the Wallis Islands. *Bull. geol. Soc. Am.* 56 : 861-72.
- MAMMERICKX, J.; CHASE, T.E.; SMITH, S.M.; TAYLOR, I.L. 1974: Bathymetry of the South Pacific, Chart 12 (revised). Scripps Institution of Oceanography, La Jolla.
- MONAHAN, D.; FALCONER, R.H.K.; THARP, M. (scient. co-ord.) 1982: General Bathymetric Chart of the Oceans (GEBCO). 5th Edition. Sheet 5.10. Scale 1:10,000,000 at 0°. Mercator Projection. IHO/IOC.
- O'REILLY, P. 1964: Bibliographie des îles Wallis et Futuna. *Publ. Soc. Océan.* 13 : 68 p.
- O'REILLY, P. 1964: Bibliographie méthodique, analytique et critique des îles Wallis et Futuna. *J. Océan. Soc.* 21(19) : 229-96.
- RICHARDS, H.G.; FAIRBRIDGE, R.W. 1965: Annotated bibliography of Quaternary shorelines (1945-64). *Spec. Publ. U.S. Acad. Nat. Sci.* 6 : 280 p.
- STEARNS, H.T. 1945: Geology of Wallis Island. *Bull. geol. Soc. Am.* 56 : 849-60.
- TERCINIER, G. 1960: Etude des sols de Wallis ; leurs propriétés et vocations. Unpubl. Rep., ORSTOM-IFO, Nouméa. 60 p.
- THEVENOT, M. 1952: Monographie d'Uvea ou Wallis. *L'Agronomie trop.* 7(3) : 276-87.
- VIALA, M. 1919: Les îles Wallis et Horn. *Bull. Soc. Neuchâteloise de Geog.* 28 : 209-83.



**BIBLIOGRAPHY OF THE  
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This final section is dedicated to the more regional references, i.e., to the overall area as a whole generally. If the title of a paper specifically mentions a country area then that reference should also be found under the country chapter. Some references, from their titles, may seem not appropriate to the study area, but, where possible, these references have been checked for their pertinence, and so are here included.

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## REGIONAL

- ACHARYA, H.K. 1982: Geothermal fields and plate tectonics in Circum-Pacific area. *Progm. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 17. also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 957.
- AGAPOVA, G.V.; ZENKEVICH, N.L.; UDINTSEV, G.B. 1975: [Morphology of trenches of the southwestern Pacific Ocean.] *Geomorfologiya* 1 : 43-50.
- AGASSIZ, A. 1903: The coral reefs of the tropical Pacific. *Mem. Mus. comp. Zool. Harv.* 28 : 168-74.
- ANDREWS, E.C. 1939: The structure of the Pacific Basin. *Proc. 6th Pacif. Sic. Congr.* 1 : 201-4.
- ANDREWS, J.E. 1973: Correlation of seismic reflectors. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 459-80.
- ANDREWS, J.E.; FRIEDRICH, H.W. 1979: Distribution patterns of manganese nodule deposits in the Northeast Equatorial Pacific. *Mar. Mining* 2 : 1-44.
- ANDREWS, J.E.; PACKHAM, G.H., *et al.* 1973: Southwest Pacific structures. *Geotimes* 18(9) : 18-22.
- ANDREWS, J.E.; PACKHAM, G.H. *et al.* 1975: "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 753 p.
- ANDRUSHCHENKO, N.F. *et al.* 1975: Composition and structure of metamorphosed ferromanganese nodules, new vein formations of manganese hydroxides, and the surrounding pelagic sediments in the Southern Basin of the Pacific Ocean floor. *Int. geol. Rev.* 17(12) : 1375-92.
- ANON. 1974: Deep sea nodules (manganese deposits South Pacific). *Min. Mag.* 131(1) : 57.
- ANON. 1974: The mineral industry of other South Pacific islands. *Yb. U.S. Bur. Mines Miner.* 1972 : 1093-1103.
- AOKI, S.; KOHYAMA, N.; SUDO, T. 1979: Mineralogical and chemical properties of smectites in a sediment core from the southeastern Pacific. *Deep-Sea Res.* 26 : 893-902.
- AOKI, S.; OINUMA, K. 1978: Clay mineral composition in deep-sea sediments of the central Pacific Basin. *Preprint 85th a. Mtg. geol. Soc. Japan* : 188.
- ALRDT, T. 1906: Parallelismus der Inselketten Ozeaniens. *Z. Ges. Erdk. Berlin* 1906 : 323-46; 385-404.
- ARLDT, T. 1917: Die Entwicklung der indoaustralischen Inselwelt. *Petermanns Geogr. Mitt.* 63 : 368-79.
- ATWATER, T.; MOLNAR, P. 1973: Relative motion of the Pacific and North American plates deduced from sea-floor spreading in the Atlantic, Indian, and South Pacific Oceans. *Stanford Univ. Publs. geol. Sci.* 13 : 136-48.
- AUBOUIN, J.; MATTAUER, M.; ALLEGRE, C. 1977: La couronne ophilitique peri-australienne : un charriage oceanique representatif des stades precoces de l'evolution alpine. *C. r. hebdom. Acad. Sci., Paris, Ser. D* 285 : 953-56.
- AVIAS, J.V. 1977: Facts and arguments about permo-Triassic opening of a neo-Pacific Ocean in an earth expansion hypothesis. Pp 381-86 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- BACON, M.P.; EDMOND, J.M. 1972: Barium at GEOSECS III in the Southwest Pacific. *Earth Planet. Sci. Lett.* 16 : 66-74.
- BALAZS, D. 1976: Comparative investigation of karst waters in the Pacific. *Proc. 6th int. Speleol. Congr.* 4 : 23-32.
- BARAZANGI, M.; ISACKS, B.; DUBOIS, J.; PASCAL, G. 1974: Seismic wave attenuation in the upper mantle beneath the Southwest Pacific. *Tectonophysics* 24(1-2) : 1-12.
- BARAZANGI, M.; PENNINGTON, W.; ISACKS, B.L. 1975: Global study of seismic wave attenuation in the upper mantle behind island arcs using pP waves. *J. geophys. Res.* 80 : 1079-92.

- BARTH, T.F.W. 1931: Mineralogical petrography of Pacific lavas. *Am. J. Sci.* 221 : 377-405; 491-503.
- BASS, M.N.; MOBERLY, J.M.; RHODES, C.; SHIH, C.; CHURCH, S.E. 1973: Volcanic rocks cored in the central Pacific. In Winterer, E.L.; Ewing, J.L. *et al* "Initial Reports of the Deep Sea Drilling Project, Volume 17". Washington. (U.S. Government Printing Office) : 429-50.
- BATIZA, P. 1982: Abundances, distribution and sizes of volcanoes in the Pacific Ocean and implications for the origin of non-hotspot volcanoes. *Earth Planet. Sci. Lett.* 60 : 195-206.
- BATURIN, G.N. 1982: "Phosphorites on the Sea Floor : Origin, Composition and Distribution". (Developments in Sedimentology 33). Elsevier. 343 p.
- BECKMANN, J.P. 1976: Shallow-water foraminifers and associated micro-fossils from sites 315, 316 and 318, DSDP, Leg 33. In Schlanger, S.O.; Jackson, E.D. *et al*. "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 467-90.
- BELYAYEV, S.S.; IVANOV, M.V.; CHEBOTAREV, Y.N.; LEIN, A.Y. 1976: [Distribution of saprophytic bacteria in different types of bottom sediments in the tropical zone of the Pacific Ocean.] Pp 59-67 in Volkov, I.I. (ed.) "Biogeo-Khimiya Diagenesa Osadkov Okeana". Izd. Nauka, USSR.
- BEN-AVRAHAM, Z.; NUR, A. 1980: The elevation of volcanoes and their edifice heights at subduction zones. *J. geophys. Res.* 85(B8) : 4325-35.
- BENSON, W.N. 1924: The geological problem of the Pacific area. *N.Z. Jl Sci. Technol.* 7 : 38-44.
- BERTINE, K.K. 1974: Origin of Lau Basin Rise sediment. *Geochim. cosmochim. Acta* 38 : 629-40.
- BEZRUKOV, P.L. 1973: On the sedimentation in the northern part of the South Pacific. Pp 217-19 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- BILLINGTON, S.; ISACKS, B.L. 1975: Identification of fault planes associated with deep earthquakes. *Geophys. Res. Lett.* 2(2) : 63-66.
- BLISS, C.H. 1979: Three-dimensional projection of earthquakes beneath active margins. *Mod. Geol.* 7(1) : 53-65.
- BLOOM, A.L. 1974: Holocene sea level and tectonics in the Southwest Pacific. (Abstr.) *Abstr. Prog. geol. Soc. Am.* 6(7) : 658.
- BLOOM, A.L. 1980: Late Quaternary sea level change on South Pacific coasts : A study in tectonic diversity. Pp 505-16 in Moerner, N. (ed.) "Earth Rheology, Isostasy and Eustasy". John Wiley & Sons, U.K.
- BLOT, C. 1976: Volcanisme et sismicite dans les arcs insulaires. Prevision de ces phenomenes. *Editions de ORSTOM, Serie Geophys.* 13 : 206 p.
- BODE, G.W. 1975: Grain-size analyses, Leg 30. In Andrews, J.E.; Packham, G.H. *et al*. "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 685-86.
- BOGDANOV, N.A. 1982: Tectonic evolution of Pacific Ocean. *Prog. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 19. also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 959.
- BOTTINGA, Y.; STEINMETZ, L. 1979: A geophysical, geochemical, petrological model of the sub-marine lithosphere. *Tectonophysics* 55(3-4) : 311-47.
- BOULAD, A.D.; CONDOMINES, M.; BERNAT, J.; RICHARD, G.; ALLEGRE, C.J. 1975: Vitesse d'accretion des nodules de manganese des fonds oceaniques. *C. r. heb. Acad. Sci., Paris, Ser. D* 280(2) : 2425-28.
- BOURROUITH-LE JAN, F.F. 1980: [Phosphates, bauxitic soils and dolomitic karst from the central and southwestern Pacific; sedimentological and geochemical comparisons.] *Bull. Bur. Rech. geol. Minier.* 24 : 113-28.
- BOURROUILH, F. 1977: Geomorphologie de quelques atolls dits "soulevés" du Pacifique W et SW, origine et evolution des formes recifales actuelles. *Mem. Bur. Rech. geol. Minier.* 89 : 419-39.

- BRINGHAM, W.J. 1900: Index to the islands of the Pacific Ocean. *Bull. Bernice P. Bishop Mus.* 1.
- BROCHER, T.M.; SINTON, J.M.; JOHNSON, K.; PRICE, R.C. 1983: Fragmentation of the Vitiiaz-Tonga Trench along the northern Melanesian Borderland. *EOS Trans. Am. geophys. Un.* 64(18) : 312.
- BROCHER, T.M.; TAYLOR, B.; KROENKE, L.W. 1983: Mineral resource studies in the Southwest Pacific, 1982. Informal Report Hawaii Institute of Geophysics, Hawaii. 52 p.
- BRODIE, J.W. 1964: Bathymetry of the New Zealand region. *Mem. N.Z. oceanogr. Inst.* 11 : 54 p.
- BROECKER, W.S.; SPENCER, D.W.; CRAIG, H. 1982: GEOSECS Pacific Expedition. Vol. 3. Hydrographic Data 1973-1974. IDOE. National Science Foundation, Washington, D.C. 137 p.
- BRONNIMANN, P.; MARTINI, E.; RESIG, J.; RIEDEL, W.R.; SANFILIPPO, A.; WORSLEY, T. 1971: Biostratigraphic synthesis. Late Oligocene and Neogene of the western Tropical Pacific. In Winterer, E.L.; Ewing, J.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 17". Washington. (U.S. Government Printing Office) : 1723-45.
- BRONNIMANN, P.; RESIG, J. 1971: A Neogene globigerinacean biochronologic time scale of the Southwest Pacific. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1235-1470.
- BROOKFIELD, M.E. 1977: The emplacement of giant ophiolite nappes. 1. Mesozoic-Cenozoic example. *Tectonophysics* 37(4) : 247-303.
- BROOKS, C.; HART, S.R.; HOFMANN, A.; JAMES, D.E. 1976: Rb-Sr mantle isochrons from oceanic regions. *Earth Planet. Sci. Lett.* 32 : 51-61.
- BROTHERS, R.N. 1974: Kaikoura Orogeny in Northland, New Zealand. *N.Z. Jl Geol. Geophys.* 17(1) : 1-18.
- BRYAN, W.H. 1964: The relationship of the Australian continent to the Pacific Ocean - now and in the past. *J. Proc. R. Soc. N.S.W.* 78 : 42-62.
- BUKRY, D. 1971: Coccolith stratigraphy, Leg 7, Deep Sea Drilling Project. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1513-28.
- BUKRY, D. 1973: Coccolith and silicoflagellate stratigraphy, Tasman Sea and southwestern Pacific Ocean, Deep Sea Drilling Project, Leg 21. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 885-94.
- BUKRY, D. 1975: Phytoplankton stratigraphy, Southwest Pacific, Deep Sea Drilling Project, Leg 30. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 539-48.
- BUKRY, D. 1976: Coccolith stratigraphy of Manihiki Plateau, central Pacific, Deep Sea Drilling Project, Site 317. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 493-501.
- BUKRY, D. 1978: Biostratigraphy of Cenozoic marine sediment by calcareous nannofossils. *Micropaleontology* 24(1) : 44-60.
- BURKE, K.C.; WILSON, J.T. 1976: Hotspots on the earth's surface. *Scient. Am.* 235(2) : 46-57.
- BURLING, R.W.; GARNER, D.M. 1959: A section of <sup>14</sup>C activities of sea water between 9°S and 66°S in the Southwest Pacific Ocean. *N.Z. Jl Geol. Geophys.* 2(4) : 799-824.
- BURNETT, W.C. 1975: Trace element geochemistry of biogenic sediments from the western Equatorial Pacific. *Pacif. Sci.* 29(2) : 219-25.
- BURNETT, W.C.; CULLEN, D.J.; PIPER, D.Z.; MAUGHAM, E.K. 1983: Geochemical characteristics of seamount phosphate occurrences. (Abstr.) *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin* : 30.
- BURNETT, W.C.; LEE, A.I.N. 1980: The phosphate supply system in the Pacific region. *Geojournal* 4(5) : 423-36.

- BURNS, D.A. 1973: The latitudinal distribution and significance of calcareous nannofossils in the bottom sediments of the Southwest Pacific Ocean (Lat. 15–55°S) around New Zealand. Pp 221–28 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- BURNS, R.E.; ANDREWS, J.E. *et al.* 1973: "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 973 p.
- BURNS, R.E.; ANDREWS, J.E. 1973: Site 210. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 369–440.
- BURNS, R.E.; ANDREWS, J.E. 1973: Regional aspects of Deep Sea Drilling in the Southwest Pacific. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 897–906.
- BURNS, R.G. 1976: Metallogenesis of transition elements at convergent plate margins in the Southwest Pacific. In Glasby, G.P.; Katz, H.R. (eds) "Marine Geological Investigations in the Southwest Pacific and Adjacent Areas". Papers presented at the I.D.O.E. Workshop, Suva, Fiji, September 1975. U.N. ESCAP, CCOP/SOPAC Tech. Bull. 2 : 14–20.
- CALDWELL, J.G. 1978: The mechanical behaviour of the oceanic lithosphere near subduction zones. Unpubl. Ph.D. thesis, Cornell University, Ithaca, New York. 151 p.
- CAMERON, D.H. 1975: Carbon and carbonate analyses, Leg 30. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 687–88.
- CANDE, S.C. 1976: A paleomagnetic pole from late Cretaceous marine magnetic anomalies in the Pacific. *Geophys. J. R. astr. Soc.* 44 : 547–66.
- CAPE, C.D.; GORDON, R.G. 1980: The resolving power of DSDP equatorial crossings in determining past motions of the Pacific plate. *EOS Trans. Am. geophys. Un.* 61(17) : 357.
- CARLSON, R.L.; CHRISTENSEN, N.I.; MOORE, R.P. 1980: Anomalous crustal structures in ocean basins : Continental fragments and oceanic plateaus. *Earth Planet. Sci. Lett.* 51 : 171–80.
- CARTER, J.A.; BERG, E. 1981: Relative stress variations as determined by b-values from earthquakes in Circum-Pacific subduction zones. *Tectonophysics* 76(3–4) : 257–72.
- CAZENAVE, A.; LAGO, B.; DOMINH, K.; LAMBECK, K. 1980: On the response of the ocean lithosphere to seamount loads from GEOSecs III satellite radar altimeter observations. *Geophys. J. R. astr. Soc.* 63(1) : 233–52.
- CHAPPELL, J. 1974: Late Quaternary glacio- and hydro-isostasy in a layered earth. *Quat. Res.* 4 : 405–28.
- CHASE, C.G. 1978: Extension behind island arcs and motions relative to hot spots. *J. geophys. Res.* 83(B11) : 5383–87.
- CHAYES, F. 1964: A petrographic distinction between Cenozoic volcanics in and around the open oceans. *J. geophys. Res.* 69 : 1573–88.
- CHEN, T.; FORSYTH, D.W. 1977: Elastic thickness of the oceanic lithosphere – a new constraint. *EOS Trans. Am. geophys. Un.* 58(6) : 495.
- CHEN, T.C.; FORSYTH, D.W. 1978: A detailed study of two earthquakes seaward of the Tonga Trench : Implications for mechanical behaviour of the oceanic lithosphere. *J. geophys. Res.* 83(B10) : 4995–5003.
- CHRISTENSEN, N.I.; SALISBURY, M.H. 1973: Velocities, elastic moduli and weathering-age relations for Pacific layer-2 basalts. *Earth Planet. Sci. Lett.* 19 : 461–70.
- CHUBB, L.J. 1934: The structure of the Pacific Basin. *Geol. Mag.* 71 : 297–301.
- CHUBB, L.J. 1957: The pattern of some Pacific island chains. *Geol. Mag.* 94 : 221–2.
- CHUNT, W.; KANAMORI, H. 1980: Variation of seismic source parameters and stress drops within a descending slab and its implications in plate mechanics. *Phys. Earth Planet. Interiors* 23(2) : 134–59.

- CHURKIN, M.; PACKHAM, G.H. 1973: Volcanic rocks and volcanic constituents in sediments, Leg 21, Deep Sea Drilling Project. *In* Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 481-94.
- CLARIDGE, G.G.C.; DALE, W.R. 1982: Ceramic clay deposits in the South Pacific Islands. *S. Pacif. tech. Inventory* 3 : 30 p.
- CLAUER, N.; HOFFERT, M.; GRIMAUD, D. 1974: Composition isotopique du strontium d'eaux interstitielles extraites de sediments provenant de l'Ocean pacifique et de la Mer Mediterranee. *2eme Réun. a. Sci. Terre* 1974 : 112.
- CLIFTON, R.A.; KEYES, W.F.; BUTTERMAN, W.C.; CORRICK, J.D.; WYCHE, C. 1976: The mineral industry of other South Pacific islands, *Yb. U.S. Bur. Mines Miner.* 3 : 1183-93.
- CLIFTON, R.A.; POTTER, M.J.; BUTTERMAN, W.C.; CORRICK, J.D.; WYCHE, C. 1977: The mineral industry of other South Pacific islands. *Yb. U.S. Bur. Mines Miner.* 1974(3) : 1267-78.
- COCKERHAM, R.S. 1979: A paleomagnetic and magnetic property study of DSDP Pacific basalts and sediments of Cretaceous age. *EOS Trans. Am. geophys. Un.* 60(18) : 239.
- COCKERHAM, R.S.; HALL, J.M. 1976: Magnetic properties and paleo-magnetism of some DSDP Leg 33 basalts and sediments and their tectonic implications. *J. geophys. Res.* 81(23) : 4207-22.
- COCKERHAM, R.S.; JARRARD, R.D. 1976: Paleomagnetism of some Leg 33 sediments and basalts. *In* Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project. Volume 33". Washington. (U.S. Government Printing Office) : 631-48.
- COLEMAN, P.J. (ed.) 1973: "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- COLEMAN, P.J. (ed.) 1978: Second Southwest Pacific Earthscience Symposium on I.G.C.P. Project Meeting. *Bull. Aust. Soc. explor. Geophys.* 9(3) : 161 p.
- COLEMAN, R.G. 1971: Plate tectonics, emplacement of upper mantle peridotites along continental edges. *J. geophys. Res.* 76 : 1212-22.
- COLEMAN, R.G. 1977: "Ophiolites. Ancient Oceanic Lithosphere?" Springer-Verlag, New York. 229 p.
- COOK, H.E. 1972: Stratigraphy and sedimentation. *In* Hays, J.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 9". Washington. (U.S. Government Printing Office) : 933-43.
- COOK, H.E.; REX, R.W.; EKLUND, W.A.; MURRAY, B. 1971: X-ray mineralogy studies, Leg 7. *In* Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 913-64.
- COOK, H.E.; ZEMMELS, I. 1976: X-ray mineralogy data from the central Pacific, Leg 33, Deep Sea Drilling Project. *In* Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 539-56.
- COOK, P.J. 1975: Prospects for finding offshore phosphate deposits in the Southwest Pacific. *Proc. 3rd Sess. CCOP/SOPAC* : 75-85.
- COTTON, C.A. 1958: The rim of the Pacific. *Geogr. J.* 124(2) : 223-31.
- COX, C.S. 1971: The electrical conductivity of the oceanic lithosphere. *In* Hancock, J.G. (ed.) "The Structure and Physical Properties of the Earth's Crust". *Geophys. Monogr.* 14 : 227-33.
- COX, M.E. 1980: Geothermal occurrences in the Southwest Pacific. *In* "Symposium on Petroleum Potential in Island Arcs, Small Ocean Basins, Submerged Margins and Related Areas", Suva, Fiji, September 1979. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 3 : 197-219.
- CRAIG, H. 1972: Analysis of a geochemical ocean section study in the western Pacific. *Abstr. Prog. geol. Soc. Am.* 4 : 722.
- CRAVEN, J.P. 1982: "The Management of Pacific Marine Resources : Present Problems and Future Trends". (Pacific Basin Project, Publication No. 1) Westview Press, Boulder, Colorado. 105 p.

- CRONAN, D.S. 1983: Metalliferous sediments in the CCOP/SOPAC region of the Southwest Pacific, with particular reference to geochemical exploration for the deposits. *CCOP/SOPAC Tech. Bull.* 4 : 55 p.
- CRONAN, D.S.; THOMPSON, B. 1978: Regional geochemical reconnaissance survey for submarine metalliferous sediments in the southwestern Pacific Ocean – a preliminary note. *Trans. Instn Min. Metall.* 878 : 87–89.
- CROOK, K.A.W. 1978: Stage maps to illustrate the development of the Southwest Pacific, 90 m.y. to present : A consequence of earth rotation? *Bull. Aust. Soc. explor. Geophys.* 9(3) : 152–56.
- CROOK, K.A.W.; BELBIN, L. 1978: The Southwest Pacific area during the last 90 million years. *J. geol. Soc. Aust.* 25 : 23–40.
- CROUGH, S.T. 1978: Thermal origin of mid-plate hotspot swells. *EOS Trans. Am. geophys. Un.* 59(4) : 270.  
also in : *Geophys. J. R. astr. Soc.* 55 : 451–69.
- CROUGH, S.T.; JURDY, D.M. 1980: Subducted lithosphere, hotspots, and the geoid. *Earth Planet. Sci. Lett.* 48 : 15–22.
- CULLEN, D.J. 1967: Island arc development in the Southwest Pacific. *Tectonophysics* 4(2) : 163–72.
- CULLEN, D.J. 1967: A note on the regional structure of the Southwest Pacific. *N.Z. Jl Sci.* 10(3) : 813–15.
- CULLEN, D.J. 1970: A tectonic analysis of the Southwest Pacific. *N.Z. Jl Geol. Geophys.* 13(1) : 7–20.
- CULLEN, D.J. 1970: Tectonic map of the Southwest Pacific, 1:10,000,000. *N.Z. oceanogr. Inst. Chart, Misc. Ser.* 20.
- DALY, R.A. 1916: Petrography of the Pacific islands. *Bull. geol. Soc. Am.* 27 : 325–44.
- DANA, J.D. 1849: On the trend of islands and axis of subsidence in the Pacific. *Proc. Am. Ass. Advmt Sci.* 1849 : 321–25.
- DENHAM, D. 1973: Seismicity, focal mechanisms and the boundaries of the Indian-Australian Plate. Pp 35–54 in Coleman, P.J. (ed.) “The Western Pacific : Island Arcs, Marginal Seas, Geochemistry”. University of Western Australia Press, Nedlands. 675 p.
- DETRICK, R.S.; CROUGH, S.T. 1978: Island subsidence, hot spots, and lithospheric thinning. *J. geophys. Res.* 83(B3) : 1236–44.
- DEWEY, J.F. 1976: Ophiolite obduction. *Tectonophysics* 31(1–2) : 93–120.
- DICKINSON, W.R. 1973: Reconstruction of past arc-trench systems from petrotectonic assemblages in the island arcs of the western Pacific. Pp 569–602 in Coleman, P.J. (ed.) “The Western Pacific : Island Arcs, Marginal Seas, Geochemistry”. University of Western Australia Press, Nedlands. 675 p.
- DICKINSON, W.R. 1973: Widths of modern arc-trench gaps proportional to past duration of igneous activity in associated magmatic areas. *J. geophys. Res.* 78 : 3376–89.
- DICKINSON, W.R. 1982: Compositions of sandstones in Circum-Pacific subduction complexes and fore-arc basins. *Bull. Am. Ass. Petrol. Geol.* 66(2) : 121–37.
- DICKINSON, W.R.; HATHERTON, T. 1967: Andesite volcanism and seismicity around the Pacific. *Science, N.Y.* 157(3790) : 801–3.
- DIMCHEV, T.; PRODANOV, Y. 1975: Low-background gamma-spectrometry of the Pacific Ocean Fe-Mn nodules and cave sediments from San Martin in the Pyrenees. Pp 209–12 in Povinec, P.; Usachev, S. (eds) “International Conference on Low-radioactivity Measurements and Applications”. Slav. Pedagog. Nakladat. Czechoslovakia.
- DOUCH, H.F. 1982: Status of Circum-Pacific Map Project – Southwest Quadrant, mid-1982. *Progm. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 24.  
also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 964.
- DRAKE, C.L. 1969: Continental margins. *Geophys. Monogr.* 13 : 549–56.
- DSDP Scientific Staff, 1973: Deep Sea Drilling Project, Leg 30, Southwest Pacific structures. *Geotimes* 18(9) : 18–22.
- DUBOIS, J. 1968: Etude de la dispersion des ondes de Rayleigh dans la region du Sud-Ouest Pacifique. *Ann. Geophys.* 24 : 1–10.



- DUBOIS, J.; DUPONT, J.; LAPOUILLE, A.; RECY, J. 1977: Lithospheric bulge and thickening of the lithosphere with age. Examples in the Southwest Pacific. Pp 371–80 in International Symposium on “Geodynamics of the Southwest Pacific”, New Caledonia, August–September 1976. Editions Technip, Paris. 413 p.
- DUBOIS, J.; DUPONT, J.; RECY, J. 1982: Apports nouveaux a l’etude du Sud-Ouest Pacifique. [New contributions to the study of the Southwest Pacific.] In Equipe Geologie-Geophysique ORSTOM Noumea “Contribution a l’etude geodynamique du Sud-Ouest Pacifique”. *Trav. Doc. ORSTOM 147* : 567–88.
- DUGAS, F.; PARROT, J.F. 1978: Reconstitution de la ceinture eocene du Sud-Ouest Pacifique. *C. r. hebd. Acad. Sci., Paris, Ser. D 287* : 671–74.
- DUMITRICA, P. 1973: Phaeodarian Radiolaria in SW Pacific sediments cored during Leg 21 of the Deep Sea Drilling Project. In Burns, R.E.; Andrews, J.E. *et al.* “Initial Reports of the Deep Sea Drilling Project, Volume 21”. Washington. (U.S. Government Printing Office) : 751–86.
- DUMITRICA, P. 1973: Paleogene Radiolaria, DSDP, Leg 21. In Burns, R.E.; Andrews, J.E. *et al.* “Initial Reports of the Deep Sea Drilling Project, Volume 21”. Washington. (U.S. Government Printing Office) : 787–818.
- DUMITRICA, P. 1973: Neozoic endoskeletal dinoflagellates in southwestern Pacific sediments cored in Leg 21 of the Deep Sea Drilling Project. In Burns, R.E.; Andrews, J.E. *et al.* “Initial Reports of the Deep Sea Drilling Project, Volume 21”. Washington. (U.S. Government Printing Office) : 819–36.
- DUMITRICA, P. 1973: Paleocene, late Oligocene and Post-Oligocene silicoflagellates in southwestern Pacific sediments cored on DSDP Leg 21. In Burns, R.E.; Andrews, J.E. *et al.* “Initial Reports of the Deep Sea Drilling Project, Volume 21”. Washington. (U.S. Government Printing Office) : 837–84.
- DUNCAN, R.A. 1981: Hotspots in the Southern Oceans – an absolute frame of reference for motion of the Gondwana continents. *Tectonophysics 74* : 29–42.
- EDWARDS, A.R. 1973: Calcareous nannofossils. In Burns, R.E.; Andrews, J.E. *et al.* “Initial Reports of the Deep Sea Drilling Project, Volume 21”. Washington. (U.S. Government Printing Office) : 641–92.
- EDWARDS, A.R. 1973: Southwest Pacific regional unconformities encountered during Leg 21. In Burns, R.E.; Andrews, J.E. *et al.* “Initial Reports of the Deep Sea Drilling Project, Volume 21”. Washington. (U.S. Government Printing Office) : 701–20.
- EDWARDS, A.R. 1975: Further comments on the Southwest Pacific Paleogene regional unconformities. In Andrews, J.E.; Packham, G.H. *et al.* “Initial Reports of the Deep Sea Drilling Project, Volume 30”. Washington. (U.S. Government Printing Office) : 663–66.
- EDWARDS, A.R. 1975: Southwest Pacific Cenozoic paleogeography and an integrated Neogene paleo-circulation model. In Andrews, J.E.; Packham, G.H. *et al.* “Initial Reports of the Deep Sea Drilling Project, Volume 30”. Washington. (U.S. Government Printing Office) : 667–84.
- EMERY, K.O.; SKINNER, B.J. 1977: Mineral deposits of the deep-ocean floor. *Mar. Mining 1(1/2)* : 1–71.
- EPP, D. 1978: Age and tectonic relationships among volcanic chains on the Pacific plate. Unpubl. Ph.D. thesis, University of Hawaii, Honolulu.
- EPP, D. 1978: Relationships between plate/plate and plate/mantle motion in the Pacific. *EOS Trans. Am. geophys. Un.* 59(12) : 1203.
- EPP, D. 1979: Motion of the Pacific plate relative to the hotspot coordinate system. *Rep. Hawaii Inst. Geophys.* : 16 p.
- EPP, D. 1979: Age and tectonic relationships among volcanic chains in the Pacific plate. (Abstr.) P. 121 in “Symposium on Intraplate Volcanism and Submarine Volcanism,” Hilo, Hawaii, July 1979.
- EVISON, F.F. 1968: Active regions of the Southwest Pacific. *Can. J. Earth Sci.* 5(4) : 1045–49.
- EWING, M.; HOUTZ, R.; EWING, J. 1969: South Pacific sediment distribution. *J. geophys. Res.* 74(10) : 2477–93.

- EXON, N.F. 1983: Manganese nodule deposits in the Central Pacific Ocean and their variation with latitude. *Mar. Mining* 4(1) : 79-107.
- FALEYEV, V.I.; UDINTSEV, G.B. *et al.* 1977: Data on the maximum depths of trenches in the world ocean. *Oceanology* 17(3) : 311-13.
- FAIRBRIDGE, R.W.; STEWART, M.B. 1960: Alexa Bank, a drowned atoll on the Melanesian border plate. *Deep-Sea Res.* 7 : 100-16.
- FALCONER, R.K.H. 1973: Numerical studies of Cretaceous magnetic anomalies in the South-west Pacific Ocean. P. 257-62 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- FARQUHAR, O.C. 1966: Seamounts, ancient and modern. *New Scientist*. 1966 (March) : 698-99.
- FARREL, W.E.; CLARK, J.A. 1976: On postglacial sea level. *Geophys. J. R. astr. Soc.* 46 : 647-67.
- FAURE, G.; HURLEY, P.M. 1963: The isotopic composition of strontium in oceanic and continental basalts : Application to the origin of igneous rocks. *J. Petrol. Geol.* 4 : 31-50.
- FISHER, R.L. 1974: Pacific-type continental margins. Pp 25-44 in Burk, C.A.; Drake, C.L. (eds) "The Geology of Continental Margins". Springer-Verlag, New York. 1009 p.
- FISHER, R.L.; ENGEL, C.G. 1968: Dunite dredged from the nearshore flank of Tonga Trench on expedition Nova 1967. *Trans. Am. geophys. Un.* 49 : 217-18.
- FISHER, R.L.; HESS, H.H. 1963: Trenches. Pp 411-36 in Hill, M.N. (ed.) "The Sea, Volume 3". Interscience, New York.
- FISHER, R.L.; REVELLE, R. 1955: The trenches of the Pacific. *Scient. Am.* 193(5) : 36-41.
- FITCH, F.J. 1977: *In situ* P-wave velocities in deep earthquake zones of the SW Pacific : Evidence for a phase boundary between the upper and lower mantle. Pp 123-36 in Talwani, M.; Pitman, W.C. (eds) "Island Arcs, Deep Sea Trenches, and Back-arc Basins". Maurice Ewing Series 1. American Geophysical Union, Washington. 470 p.
- FOREMAN, H.P. 1971: Cretaceous Radiolaria, Leg 7, Deep Sea Drilling Project. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1673-94.
- FRASER, R. (ed.) 1971: Cook Bicentenary Expedition in the South-west Pacific. *Bull. R. Soc. N.Z.* 8 : 141 p.
- FRASER, R. (comp.) 1973: "Oceanography of the South Pacific, 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- FRIEDRICH, G.; GLASBY, G.P.; PLÜGER, W.L.; THIJSEN, T. 1981: Results of recent exploration for manganese nodules in the South Pacific by R.V. *Sonne*. *Inter Ocean '81, Dusseldorf* : 72-81.
- FROHLICH, L.; BARAZANGI, M. 1980: A regional study of mantle velocity variations beneath eastern Australia and the southwestern Pacific using short-period recordings of P, S, PcP, ScP and ScS waves produced by Tongan deep earthquakes. *Phys. Earth Planet. Interiors* 21(1) : 1-14.
- FRYER, P. 1973: Petrology and geochemistry of some rock samples from the northern Fiji Plateau. Unpubl. M.Sc. thesis, University of Hawaii, Honolulu.
- FRYER, P. 1974: Petrology of some volcanic rocks from the northern Fiji Plateau. *Bull. geol. Soc. Am.* 85 : 1717-20.
- GARNER, D.M. 1955: Some hydrological features of the tropical Southwest Pacific Ocean. *N.Z. J. Sci. Technol. Sect. B* 37(1) : 39-46.
- GARNER, D.M. 1959: Nomenclature of water masses in the Tasman Sea. *Aust. J. mar. Freshwat. Res.* 10(1) : 1-6.
- GARTNER, S. 1971: Calcareous nannofossil age determinations : Leg 7, Deep Sea Drilling Project. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1509-12.
- GEALY, E.L. 1971: Carbonate-carbon content of sediments from the Western Equatorial Pacific : Leg 7, *Glomar Challenger*. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 845-62.

- GEALY, E.L.; DUBOIS, R. 1971: Shipboard geochemical analysis, Leg 7, *Glomar Challenger*. In Winterer, E.L. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 863-70.
- GEALY, E.L. 1971: Grain size of sediments from the Western Equatorial Pacific : Leg 7, *Glomar Challenger*. In Winterer, E.L. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1027-36.
- GEALY, E.L. 1971: Natural gamma radiation of sediments from the Western Equatorial Pacific, Leg 7, *Glomar Challenger*. In Winterer, E.L. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1037-80.
- GEALY, E.L. 1971: Saturated bulk density, grain density and porosity of sediment cores from the Western Equatorial Pacific, Leg 7, *Glomar Challenger*. In Winterer, E.L. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1081-1104.
- GEALY, E.L. 1971: Sound velocity, elastic constants, and related properties of marine sediments in the Western Equatorial Pacific, Leg 7, *Glomar Challenger*. In Winterer, E.L. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1105-60.
- GIESKES, J.M. 1976: Interstitial water studies, Leg 33. In Schlanger, S.O.; Jackson, E.D. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 563-70.
- GILL, E.D. 1952: Paleogeography of the Australian-New Zealand region in lower Devonian time. *Trans. R. Soc. N.Z.* 80 : 171-85.
- GILL, E.D. 1961: Changes in the level of the sea relative to the land in Australia during the Quaternary era. *Z. Geomorph.* 1961(3) : 73-79.
- GILL, E.G. 1968: Quaternary shore lines research in Australia and New Zealand. *Aust. J. Sci.* 31(3) : 106-11.
- GILL, J.B. 1974: Role of underthrust oceanic crust in the genesis of a Fijian calc-alkaline suite. *Contr. Miner. Petrol.* 43 : 29-45.
- GILL, J.B. 1976: Composition and age of Lau Basin and Ridge volcanic rocks : Implications for evolution of an interarc basin and remnant arc. *Bull. geol. Soc. Am.* 87(10) : 1384-95.
- GILL, J.; COMPSTON, W. 1973: Strontium isotopes in island arc volcanic rocks. Pp 483-96 in Coleman, P.J. (ed.) "The Western Pacific, Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- GILL, J.B.; MCDougall, I. 1973: Biostratigraphic and geological significance of Miocene-Pleistocene volcanism in Fiji. *Nature, Lond.* 241 : 176-80.
- GLASBY, G.P. 1971: The influence of aeolian transport of dust particles on marine sedimentation in the South-west Pacific. *Jl R. Soc. N.Z.* 1(3-4) : 285-300.
- GLASBY, G.P. 1972: Manganese deposits in the Southwest Pacific. Pp 137-69 in "Inter-University Program of Research on Ferro-manganese Deposits of the Ocean Floor. Phase I Report". National Science Foundation, Washington, D.C. 358 p.
- GLASBY, G.P. 1972: Selected bibliography of marine manganese nodules. *NZOI Rec.* 1(2) : 5-36.
- GLASBY, G.P. 1972: Selected bibliography of marine manganese nodules : Addendum. Pp 283-92 in Horn, D.R. (ed.) "Ferromanganese Deposits on the Ocean Floor". National Science Foundation, Washington, D.C. 293 p.
- GLASBY, G.P. 1976: Manganese nodules in the South Pacific : A review. *N.Z. Jl Geol. Geophys.* 19(3) : 707-36.
- GLASBY, G.P. 1976: Surface densities of manganese nodules in the southern sector of the South Pacific. *N.Z. Jl Geol. Geophys.* 19(6) : 771-90.
- GLASBY, G.P. 1977: Geochemistry of three sediment cores from the Southwest Pacific. *NZOI Rec.* 3(7) : 49-56.
- GLASBY, G.P. 1981: Manganese nodule studies in the Southwest Pacific 1975-1980. *S. Pacif. mar. geol. Notes* 2(3) : 37-46.

- GLASBY, G.P. 1982: Manganese nodules from the South Pacific : An evaluation. *Mar. Mining* 3(3/4) : 231-70.
- GLASBY, G.P. 1983: The Southwestern Pacific and Samoan Basins. *N.Z. Geogr.* 39(1) : 3-11.
- GLASBY, G.P.; HUNT, J.L.; RANKIN, P.C.; DARWIN, J.H. 1979: Major element analysis of marine sediments from the Southwest Pacific. *N.Z. Soil Bur. scient. Rep.* 36 : 127 p.
- GLASBY, G.P.; HUBRED, G.L. 1976: Comprehensive bibliography of marine manganese nodules. *Mem. N.Z. oceanogr. Inst.* 71 : 55 p.
- GLASBY, G.P.; KEAYS, R.R.; RANKIN, P.C. 1978: The distribution of rare earth, precious metal and other trace elements in Recent and fossil deep-sea manganese nodules. *Geochem. J.* 12 : 229-43.
- GLASBY, G.P.; LAWRENCE, P. 1974: Manganese deposits in the South Pacific Ocean : Distribution, 1:25,000,000. *N.Z. oceanogr. Inst. Chart, Misc. Ser.* 33.
- GLASBY, G.P.; LAWRENCE, P. 1974: Manganese deposits in the South Pacific Ocean : Manganese content, 1:25,000,000. *N.Z. oceanogr. Inst. Chart, Misc. Ser.* 34.
- GLASBY, G.P.; LAWRENCE, P. 1974: Manganese deposits in the South Pacific Ocean : Iron content, 1:25,000,000. *N.Z. oceanogr. Inst. Chart, Misc. Ser.* 35.
- GLASBY, G.P.; LAWRENCE, P. 1974: Manganese deposits in the South Pacific Ocean : Copper content, 1:25,000,000. *N.Z. oceanogr. Inst. Chart, Misc. Ser.* 36.
- GLASBY, G.P.; LAWRENCE, P. 1974: Manganese deposits in the South Pacific Ocean : Nickel content, 1:25,000,000. *N.Z. oceanogr. Inst. Chart, Misc. Ser.* 37.
- GLASBY, G.P.; LAWRENCE, P. 1974: Manganese deposits in the South Pacific Ocean : Cobalt content, 1:25,000,000. *N.Z. oceanogr. Inst. Chart, Misc. Ser.* 38.
- GLASBY, G.P.; LAWRENCE, P. 1974: Metalliferous sediments, submarine volcanism and submarine geothermal activity in the South Pacific Ocean, 1:25,000,000. *N.Z. oceanogr. Inst. Chart, Misc. Ser.* 39.
- GLASBY, G.P.; LAWRENCE, P. 1980: Manganese deposits in the South Pacific Ocean : Relation to sediment type, 1:25,000,000. *N.Z. oceanogr. Inst. Chart, Misc. Ser.* 40.
- GLASBY, G.P.; MEYLAN, M.A.; BÄCKER, H. 1974: Distributions and morphology of manganese nodules from the southwestern Pacific Basin. (Abstr.) *Abstr. Progr. geol. Soc. Am.* 6(7) : 756.
- GLASBY, G.P.; MEYLAN, M.A.; MARGOLIS, S.V.; BÄCKER, H. 1980: Manganese deposits of the southwestern Pacific Basin. Pp 137-83 in Varentsoiv, I.M.; Graselly, Gy (eds) "Geology and Geochemistry of Manganese, Volume 3. Manganese on the Bottom of Recent Basins". Academica Kiado, Budapest. 257 p.
- GLASBY, G.P.; STOFFERS, P.; SIOULAS, A.; THIJSSSEN, T.; FRIEDRICH, G. 1982: Manganese nodule formation in the Pacific Ocean : A general theory. *Geo-mar. Lett.* 2 : 47-53.
- GREEN, D.; CULLEN, D.J. 1973: The tectonic evolution of the Fiji region. Pp 127-45 in Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". University of Western Australian Press, Nedlands. 675 p.
- GREGORY, J.W. 1930: The geological history of the Pacific Ocean. In "The Anniversary Address of the President". *Q. Jl geol. Soc. Lond.* 86 : 72-136.
- GRELLET, C.; DUBOIS, J. 1982: Analyse de quelques parametres geophysiques dans une zone de subduction. [Analysis of a few geophysical parameters in a subduction zone.] In Equipe Geologie-Geophysique ORSTOM Noumea "Contribution a l'etude geodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM* 147 : 345-60.
- GRIFFITHS, J.R. 1971: Reconstruction of the South-west Pacific margin of Gondwanaland. *Nature, Lond.* 234 : 203-7.
- GRIFFITHS, J.R. 1974: New Zealand and the Southwest Pacific margin of Gondwanaland. Pp 619-38 in Campbell, K.S.W. (ed.) "Gondwana Geology". Australian National University Press, Canberra.
- GUILCHER, A. 1968: Transport des sediments par-dessus des bordures d'atolls et les recifs-barrier dans le Pacifique sud. Pp 242-50 in "Second International Oceanographic Congress, Moscow".
- GUILCHER, A. 1969: Etudes francaises sur le quaternaire dans le Pacifique. In "Etudes francaises sur le Quaternaire". Congres International de INQUA, Paris, 1969.

- GUSTAFSON, L.B.; TITLEY, S.R. 1978: Porphyry copper deposits of the Southwestern Pacific Islands and Australia. *Econ. Geol.* 73(5) : 597-99.
- HALUNEN, A.J. 1978: Mineral resources in Southwest Pacific. In "Second Circum-Pacific Energy and Mineral Resources Conference, Honolulu". *Bull. Am. Ass. Petrol. Geol.* 62(7) : 1219.
- HANUS, V.; VANEK, J. 1979: Systems of reduction in the South-west Pacific. Pp 35-40 in Vanek, J.; Babuska, V.; Planar, J. (eds) "Geodynamic Investigations in Czechoslovakia". Veda Publishing House, Czechoslovakia.
- HARKRIDER, D.G.; OKAL, E.A. 1982: Propagation and generation of high-frequency sediment-controlled Rayleigh modes following shallow earthquakes in the South Central Pacific. *EOS Trans. Am. geophys. Un.* 63(45) : 1025.
- HARRINGTON, H.J. 1976: Tectonics of the Pacific Basin and the Circum-Pacific Rim; an annotated bibliography for the interval 1967-1975. The University of New England, Armidale. 202 p.
- HARRISON, C.G.A.; FUNNELL, B.M. 1964: Relationship of paleomagnetic reversals and micropalontology in two Late Cenozoic cores from the Pacific Ocean. *Nature, Lond.* 204 : 566-68.
- HAWKINS, J.W. 1977: Petrologic and geo-chemical characteristics of marginal basin basalts. Pp 355-66 in Talwani, M.; Pitman, W.C. (eds) "Island Arcs, Deep Sea Trenches, and Back-arc Basins". Maurice Ewing Series 1. American Geophysical Union, Washington. 470 p.
- HAWKINS, J.W.; MELCHIOR, J.T. 1983: Petrology of back-arc basin basalts : Implications for mantle heterogeneity. *EOS Trans. Am. geophys. Un.* 64(18) : 332.
- HAYES, D.E.; EWING, M. 1971: The Louisville Ridge - a possible extension of the Eltanin Fracture Zone. *Antarc. Res. Ser.* 15 : 223-28.
- HAYES, R.C. 1934: The focal depth of the Pacific earthquake of Sept. 6th, 1933. *N.Z. Jl Sci. Technol.* 16(3) : 156-57.
- HAYES, R.C. 1936: Normal and deep earthquakes in the South-west Pacific. *N.Z. Jl Sci. Technol.* 17(5) : 691-701.
- HAYES, R.C. 1939: The deep-focus earthquakes of the South-west Pacific. *Proc. 6th Pacif. Sci. Congr., 1* : 131-34.
- HAYS, J.D. et al. 1972: "Initial Reports of the Deep Sea Drilling Project, Volume 9". Washington. (U.S. Government Printing Office) : 1205 p.
- HAYS, J.D.; COOK, H.E. et al. 1972: Introduction. In Hays, J.D. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 9". Washington. (U.S. Government Printing Office) : 3-20A.
- HAYS, J.D.; COOK, H.E. et al. 1972: Site 76. In Hays, J.D. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 9". Washington. (U.S. Government Printing Office) : 21-42.
- HAYS, J.D. et al. 1972: An interpretation of the geologic history of the eastern Equatorial Pacific from the drilling results of *Glomar Challenger* Leg 9. In Hays, J.D. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 9". Washington. (U.S. Government Printing Office) : 909-31.
- HEATH, G.R. 1969: Carbonate sedimentation in the abyssal Equatorial Pacific during the past 50 million years. *Bull. geol. Soc. Am.* 80 : 689-94.
- HEATH, G.R. 1978: Deep sea manganese nodules. *Oceanus* 21(1) : 60-68.
- HEATH, G.R. 1982: Manganese nodules : unanswered questions. *Oceanus* 25(3) : 37-41.
- HEATH, G.R.; MOBERLY, R. 1971: Noncalcareous pelagic sediments from the Western Pacific, Leg 7, Deep Sea Drilling Project. In Winterer, E.L. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 987-90.
- HEATH, G.R.; MOBERLY, R. 1971: Cherts from the Western Pacific, Leg 7, Deep Sea Drilling Project. In Winterer, E.L. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 991-1008.

- HEATH, G.R.; MOBERLY, R. 1971: Deep-sea turbidites from the Western Pacific, Leg 7, Deep Sea Drilling Project. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1009-10.
- HEATH, R.A. 1980: Descriptive oceanography in the South-western Pacific. Pp 290-94 in "Proceedings of the Fourth CSK Symposium, Tokyo, 1979".
- HEDBERG, H.D. 1981: Geomorphic basis for National-International boundaries on ocean floor. Pp 441-64 in Halburty, M.T. (ed.) "Energy Resources of the Pacific Region". American Association of Petroleum Geologists, Tulsa. 578 p.
- HEDGE, C.E. 1978: Strontium isotopes in basalts from the Pacific Ocean basin. *Earth Planet. Sci. Lett.* 38 : 88-94.
- HEEZEN, B.C.; MCGREGOR, I.D. *et al.* 1973: "Initial Reports of the Deep Sea Drilling Project, Volume 20". Washington. (U.S. Government Printing Office) : 958 p.
- HEEZEN, B.C.; THARP, M. 1977: "World Ocean Floor". Chart. U.S. Navy, Office of Naval Research, U.S.A.
- HEIRTZLER, J.R. 1968: Sea-floor spreading. *Scient. Am.* 219 : 60-70.
- HELMS, P.B.; RIEDEL, W.R. 1971: Skeletal debris of fishes. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1709-14.
- HERRON, E.M. 1972: Sea-floor spreading and the Cenozoic history of the east Central Pacific. *Bull. geol. Soc. Am.* 83 : 1671-92.
- HILDE, T. 1982: Convergence tectonics and fore-arc development of Circum-Pacific trenches. *Progr. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 51.
- HILDE, T.W.C.; UYEDA, S.; KROENKE, L.W. 1977: Evolution of the Western Pacific and its margin. *Tectonophysics* 38 : 145-65.
- HILL, M.N. 1963: "The Sea : Ideas and Observations on Progress in the Study of the Seas. Volume 3. The earth beneath the seas". Wiley, Interscience, New York. 963 p.
- HINZ, E.R. 1980: "Landfalls of Paradise : The Guide to Pacific Islands". Western Marine Enterprises, California. 384 p.
- HOBBS, W.H. 1923: The growing mountain ranges of the Pacific region. *Proc. 2nd Pan-Pacif. Sci. Congr. 1* : 746-57.
- HOCHSTEIN, M.P. 1967: Interpretation of magnetic anomalies across Norfolk Ridge. *N.Z. Jl Geol. Geophys.* 10(5) : 1302-8.
- HOCHSTEIN, M.P.; REILLY, W.I. 1967: Magnetic measurements in the South-west Pacific Ocean. *N.Z. Jl Geol. Geophys.* 10(6) : 1527-62.
- HOLDWORTH, B.K. 1975: Cenozoic Radiolaria biostratigraphy : Leg 30 : Tropical and Equatorial Pacific. In Andrews, J.W.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 499-528.
- HOPLEY, D. 1971: World sea levels during the past 11,000 years. Evidence from Australia and New Zealand. *Quaternaria* 14 : 265-66.
- HOWARD, P.H. 1973: An issue devoted to mineral deposits in Australasia and adjacent islands. (Abstr.) *N.Z. geochem. Grp Newsl.* 30 : 27-28.
- HOWARTH, R.J.; CRONAN, D.S.; GLASBY, G.P. 1977: Non-linear mapping of regional geochemical variability of manganese nodules in the Pacific Ocean. *Trans. Instn Min. Metall.* 86B : B4-8.
- IGNAT'YEV, G.M. 1973: The Pacific segments as a major physiographic region. *Moscow Univ. Vestn. Ser. Geogr.* 28(6) : 47-52.
- IRVINE, I. 1978: Late Pliocene-Quaternary biostratigraphy and climatic change in DSDP 208, Lord Howe Rise. *Bull. Aust. Soc. explor. Geophys.* 9(3) : 146-48.
- ISACKS, B.L.; BARAZANGI, M. 1977: Geometry of Benioff Zones : Lateral segmentation and downwards bending of the subducted lithosphere. Pp 99-114 in Talwani, M.; Pitman, W.C. (eds) "Island Arcs, Deep Sea Trenches, and Back-arc Basins". Maurice Ewing Series 1. American Geophysical Union, Washington. 470 p.
- ISACKS, B.L.; BARAZANGI, M.; OLIVER, J. 1972: Guided shear waves in the descending lithosphere; evidence for continuity and detachment of slabs in the upper mantle. (Abstr.) *EOS Trans. Am. geophys. Un.* 53(11) : 1114.

- ISEZAKI, N.; INOKUCHI, H. *et al.* 1983: "Magnetic Data Book on the Central and South Pacific Islands". Department of Earth Sciences Faculty of Sciences, Kobe University, Nada, Kobe, Japan. 105 p.
- JACKSON, E.D. 1976: Linear volcanic chains on the Pacific plate. *In* Sutton, G.M. *et al.* (eds) "The Geophysics of the Pacific Basin and its Margin". *Geophys. Monogr.* 19 : 319-35.
- JACKSON, E.D.; BARGAR, K.E.; FABBI, B.P.; HEROPOULOS, C. 1976: Petrology of the basaltic rocks drilled on Leg 33 of the Deep Sea Drilling Project. *In* Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 571-630.
- JACKSON, E.D.; SHAW, H.R. 1975: Stress fields in central portions of the Pacific plate; delineated in time by linear volcanic chains. *J. geophys. Res.* 80(14) : 1861-74.
- JARRARD, R.D.; CLAGUE, D.A. 1977: Implications of Pacific island and seamount ages for the origin of volcanic chains. *Rev. Geophys. Space Phys.* 15 : 57-76.
- JARRARD, R.D.; TURNER, D.L. 1979: Lithospheric flexure and uplifted atolls - discussion and reply. *J. geophys. Res.* 84(B10) : 5691-97.
- JENKINS, D.G.; ORR, W.N. 1972: Planktonic foraminiferal biostratigraphy of the eastern Equatorial Pacific - DSDP Leg 9. *In* Hays, J.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 9". Washington. (U.S. Government Printing Office) : 1059-1193.
- JEZEK, P.A. 1976: Gravity base stations in Indonesia and the Southwest Pacific. *Woods Hole Oceanogr. Inst. WHOI-76-55.*
- JOHNSON, B.D.; LAPOUILLE, A.; LARUE, B.M.; HENRY, D.M.; HAWKINS, L.V. 1974: Marine geophysical investigations in Melanesia. (Abstr.) *EOS Trans. Am. geophys. Un.* 55(4) : 301.
- JOHNSON, D.A. 1976: Cenozoic radiolarians from the Central Pacific, DSDP Leg 33. *In* Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 425-38.
- JOHNSON, T.; MOLNAR, P. 1972: Focal mechanisms and plate tectonics of the Southwest Pacific. *J. geophys. Res.* 17 : 5000-32.
- JOLEAUD, L. 1934: Paleogeographie de l'Océan Pacifique. *Mem. Soc. Biogeogr.* 4 : 9-40.
- JONES, G.M.; HILDE, T.W.C.; SHARMAN, G.F.; AGNEW, D.C. 1978: Fault patterns in outer trench walls and their tectonic significance. *J. Phys. Earth* 26, *Suppl.* : 85-101.
- JURDY, D.M. 1979: Relative plate motions and the formation of marginal basins. *J. geophys. Res.* 84 : 6796-6802.
- KANEPS, A.G. 1976: Cenozoic planktonic foraminifera, Equatorial Pacific Ocean, Leg 33 DSDP. *In* Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 361-68.
- KARIG, D.E. 1971: Origin and development of marginal basins in the western Pacific. *J. geophys. Res.* 76(11) : 2542-61.
- KARIG, D.E. 1972: Remnant arcs. *Bull. geol. Soc. Am.* 83 : 1057-68.
- KARIG, D.E. 1974: Evolution of arc systems in the western Pacific. *A. Rev. Earth Planet. Sci.* 2 : 51-75.
- KARIG, D.E.; CALDWELL, J.G.; PARMENTIER, E.M. 1976: Effects of accretion on the geometry of the descending lithosphere. *J. geophys. Res.* 81 : 6281-91.
- KARIG, D.E.; SHARMAN, G. 1975: Subduction and accretion in trenches. *Bull. geol. Soc. Am.* 86 : 377-89.
- KATZ, H.R. 1974: Margins of the Southwest Pacific. Pp 549-65 *in* Burk, C.A.; Drake, C.L. (eds) "The Geology of Continental Margins". Springer-Verlag, New York. 1009 p.
- KATZ, H.R. 1976: Developments in New Zealand and Southwest Pacific island region in 1975. *Bull. Am. Ass. Petrol. Geol.* 60/10 : 1947-56.
- KATZ, H.R. 1977: Developments in New Zealand and Southwest Pacific island region in 1976. *Bull. Am. Ass. Petrol. Geol.* 61/10 : 1880-87.
- KATZ, H.R. 1978: Developments in New Zealand and Southwest Pacific island region in 1977. *Bull. Am. Ass. Petrol. Geol.* 62/10 : 1900-5.
- KATZ, H.R. 1979: Developments in New Zealand and Southwest Pacific island region in 1978. *Bull. Am. Ass. Petrol. Geol.* 63/10 : 1680-88.

- KATZ, H.R. 1980: Developments in New Zealand and Southwest Pacific island region in 1979. *Bull. Am. Ass. Petrol. Geol.* 64/11 : 1776-84.
- KATZ, H.R. 1980: The International Petroleum Symposium in the South Pacific. *J. petrol. Geol.* 2 : 339-41.
- KATZ, H.R. 1981: New Zealand and Southwest Pacific islands. *Bull. Am. Ass. Petrol. Geol.* 65 : 2254-60.
- KATZ, H.R. 1982: Oil and gas developments in New Zealand and Southwest Pacific islands in 1981. *Bull. Am. Ass. Petrol. Geol.* 66 : 2349-59.
- KATZ, H.R. 1983: Oil and gas developments in New Zealand and Southwest Pacific islands in 1982. *Bull. Am. Ass. Petrol. Geol.* 67 :
- KATZ, H.R.; KLIEWER, G. 1970: Petroleum developments in Southwest Pacific region during 1969. *Bull. Am. Ass. Petrol. Geol.* 54 : 1581-86.
- KAUSEL, E.G.; LEEDS, A.R.; KNOPOFF, L. 1974: Variations of Rayleigh wave phase velocities across the Pacific Ocean. *Science, N.Y.* 186 : 139-41.
- KELLEHER, J.; MCCANN, W. 1976: Buoyant zones, great earthquakes, and unstable boundaries of subduction. *J. geophys. Res.* 81 : 4885-96.
- KENNETT, J.P. 1973: Preliminary biostratigraphic and paleo-oceanographic results of Cruise XXI D/V *Glomar Challenger* in the Southwest Pacific. (Abstr.) P. 341 in Fraser, R. (comp.) "Oceanography of the South Pacific 1972". N.Z. National Commission for UNESCO, Wellington. 524 p.
- KENNETT, J.P. 1973: Middle and Late Cenozoic planktonic foraminiferal biostratigraphy of the Southwest Pacific - DSDP, Leg 21. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 575-640.
- KENNETT, J.P.; WATKINS, N.D. 1970: Geomagnetic polarity change and faunal extinction in the South Pacific. *Nature, Lond.* : 930-34.
- KLEIN, G.deV. 1975: Depositional facies of Leg 30, Deep Sea Drilling Project sediment cores. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 423-42.
- KLEIN, G.deV. 1975: Sedimentary tectonics in Southwest Pacific marginal basins based on Leg 30 Deep Sea Drilling Project cores from the South Fiji, Hebrides, and Coral Sea Basins. *Bull. geol. Soc. Am.* 86(7) : 1012-18.
- KERR, R.A. 1981: Are ocean islands recycled ocean crust? *Science, N.Y.* 212(4501) : 1372.
- KNOPOFF, L.; DRAKE, C.L.; HART, P.J. (eds) 1968: "The Crust and Upper Mantle of the Pacific Area". (Based on the "Upper Mantle Symposium", Tokyo, 1966) *Geophys. Monogr.* 12 : 522 p.
- KOGAN, M.G. 1976: Gravity anomalies and main tectonic units of the Southwest Pacific. *J. geophys. Res.* 81 : 5240-48.
- KONING, L.P.G. 1952: Earthquakes in relation to their geographical distribution, depth and magnitude. 3. The South-western Pacific. *Proc. K. ned. Akad. Wet.* 55 : 194-206.
- KRAUSE, D.C. 1968: Bathymetry and geologic structure of the north-western Tasman Sea-Coral Sea-South Solomon Sea area of the south-western Pacific Ocean. *Mem. N.Z. oceanogr. Inst.* 41 : 48 p.
- KREBS, B.N. 1964: Bibliography of the oceanography of the Tasman and Coral Seas, 1860-1960. *Mem. N.Z. oceanogr. Inst.* 24.
- KREBS, W. 1975: Formation of Southwest Pacific island arc-trench and mountain systems : Plate or global-vertical tectonics? *Bull. Am. Ass. Petrol. Geol.* 59(9) : 639-66.
- KROENKE, L.W. 198-: Oceanic plateaux in the Southwest Pacific. In Cronan, D.S. (ed.) "Marine Geology and Mineral Resources of the Southwest Pacific". Academic Press, London.
- KROENKE, L.W.; BARDSLEY, E. 1975: Bibliography of geology and geophysics of the South Pacific. *UN. ESCAP, CCOP/SOPAC Tech. Bull.* 1 : 91 p.
- KROENKE, L.W.; MOBERLY, R.; WINTERER, E.L.; HEATH, G.R. 1971: Lithologic interpretation of continuous reflection profiling, Deep Sea Drilling Project, Leg 7. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1161-1226.



- KUENEN, P.H. 1951: An argument in favour of glacial control of coral reefs. *J. Geol.* 59 : 503-7.
- KVENVOLDEN, K.A. 1980: Organics yield clues about oil in the deep sea. *Geotimes* 25(7) : 19-20.
- LA BRECQUE, J.L.; KENT, D.V.; CANDE, S.C. 1977: Revised magnetic polarity time scale for Late Cretaceous and Cenozoic time. *Geology* 5 : 330-35.
- LACROIX, A. 1928: Les segmatitoides des roches volcaniques a facies basaltique. *C. r. hebd. Acad. Sci., Paris* 187 : 321-26.
- LACROIX, A. 1930: La constitution mineralogique et chimique des laves intrapacifiques (Pacific Central et Austral). *Proc. 4th Pacif. Sci. Congr., Batavia-Bandoeng*, 2B : 941-50.
- LACROIX, A. 1934: Recent observations on the mineralogical and chemical constitution of the intrapacific lavas (South Central Pacific). *Proc. 5th Pacif. Sci. Congr., Victoria & Vancouver, B.C.* 3 : 2538-42.
- LAMBECK, K. 1972: Gravity anomalies over ocean ridges. *Geophys. J. R. astr. Soc.* 30 : 37-53.
- LANDS AND SURVEY, NEW ZEALAND, 1970: New Zealand in the South Pacific. 2nd Edition. Scale 1:10,000,000 at 30°S. *N.Z.M.S.* 231.
- LARINA, N.I. 1975: Seamounts of the Pacific Ocean. *Oceanology* 15(1) : 62-66.
- LARSON, R.L.; CHASE, C.G. 1972: Late Mesozoic evolution of the western Pacific Ocean. *Bull. geol. Soc. Am.* 83 : 3627-44.
- LARSON, R.L.; SCHLANGER, S.O. *et al.* 1979: Cretaceous intraplate volcanism in the Nauru Basin and its regional implications. (Abstr.) P. 20 in Symposium on "Intraplate Volcanism and Submarine Volcanism", Hilo, Hawaii, July 1979.
- LARSON, R.L.; SCHLANGER, S.O. *et al.* 1981: "Initial Reports of the Deep Sea Drilling Project, Volume 61". Washington. (U.S. Government Printing Office) : 885 p.
- LAWVER, L.A.; HAWKINS, J.W. 1978: Diffuse magnetic anomalies in marginal basins, their possible tectonics and petrologic significance. *Tectonophysics* 45(4) : 323-39.
- LONT'YEV, O.K.; LUK'YANOVA, S.A.; MEDEVED, V.S. 1974: [Vertical crustal movements of the Pacific Ocean floor according to the results of geomorphological analysis.] *Oceanology* 14(6) : 840-46.
- LE PICHON, X.; FRANCHETEAU, J.; BONNIN, J. 1973: "Plate Tectonics". Elsevier, Amsterdam. 300 p.
- LONSDALE, P.F. 1981: Drifts and ponds of reworked pelagic sediment in part of the Southwest Pacific. *Mar. Geol.* 43(3-4) : 153-93.
- LONSDALE, P.F.; SMITH, S.M. 1980: "Lower insular rise hills" shaped by a bottom boundary current in the mid-Pacific. *Mar. Geol.* 34(1-2) : M19-M25.
- LOUAT, R. 1977: Relative seismic energy released in the South Pacific. Pp 29-36 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- MCCANN, W.R. 1980: Seismic potential and seismic regimes of the Southwest Pacific. *EOS Trans. Am. geophys. Un.* 61(17) : 292.
- MCCOY, F.W. 1982: New surficial sediment maps of the Pacific Ocean : Circum-Pacific Map Project (1:10,000,000). *Progm. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 36.  
also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 976.
- MACDONALD, W.D. 1981: Comment on "Relative plate motion and the formation of marginal basins" by Donna M. Jurdy. *J. geophys. Res.* 86(B2) : 1097-98.
- MCKENZIE, D. 1976: The orientation of the stress axes within striking slabs. *Earth Planet. Sci. Lett.* 31(2) : 305-7.
- MCKENZIE, K.; ORCUTT, J. 1981: A comparison of seismic structure of oceanic plateaus. *EOS Trans. Am. geophys. Un.* 62 : 103-4.
- MCNULTY, C.L. 1976: Cretaceous foraminiferal stratigraphy, DSDP, Leg 33, holes 315a, 316, 317a. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 369-82.
- MCNUTT, M.; MENARD, H.W. 1978: Lithospheric flexure and uplifted atolls. *J. geophys. Res.* 83(B3) : 1206-12.

- MALAHOFF, A.; HAMOND, S.; FEDEN, R. 1979: Back-arc spreading, volcanism and evolution of the Havre Trough-Lau Basin-Fiji Plateau. (Abstr.) P. 113 in Symposium on "Intraplate Volcanism and Submarine Volcanism", Hilo, Hawaii, July 1979.
- MALAHOFF, A.; HAMMOND, S.; FEDEN, R.; LARUE, B. 1979: Magnetic anomalies: The tectonic setting and evolution of the Southwest Pacific marginal basins. In "Third Southwest Pacific Workshop Symposium", Sydney, Australia, December 1979.
- MALAHOFF, A.; LARUE, B. 1979: Origin of the geoidal high in the South-west Pacific. (Abstr.) IUGG General Assembly, IASA Symposium, Canberra.
- MAMMERICKX, J.; SMITH, S.M.; TAYLOR, I.L.; CHASE, T.E. 1973: Bathymetry of the South Pacific. *Scripps Instn Oceanogr., I.M.R. Tech. Rep.* 46A.
- MARSHALL, J.F. 1975: Uranium-series dating of corals from the South-west Pacific. Unpubl. M.Sc. thesis, Australian National University, Canberra.
- MARSHALL, P. 1911: The western margin of the Pacific Ocean. *Rep. Australas. Ass. Advmt Sci.* 13 : 90-99.
- MARSHALL, P. 1928: Notes on alkaline rocks in South Pacific islands. *Proc. Australas. Ass. Advmt Sci.* 19 : 70-73.
- MARTIN, D.G. 1932: Phosphate islands of the Pacific. *Chambers J. (Ser. 8) 1* : 278-81.
- MARTINI, E. 1971: Neogene silicoflagellates from the Equatorial Pacific. In Winterer, E.L. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1596-1708.
- MARTINI, E. 1976: Cretaceous to Recent calcareous nannoplankton from the central Pacific Ocean (DSDP Leg 33). In Schlanger, S.O.; Jackson, E.D. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 383-424.
- MARTINI, E. 1976: Neogene and Quaternary silicoflagellates from the central Pacific Ocean (DSDP Leg 33). In Schlanger, S.O.; Jackson, E.D. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 439-50.
- MARTINI, E.; WORSLEY, T. 1971: Tertiary calcareous nannoplankton from the western Equatorial Pacific. In Winterer, E.L. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1471-1508.
- MASCLE, A.; BIJU-DUVAL, B.; LETOUZEY, J.; MONTADERT, L.; RAVENNE, C. 1977: Sediments and their deformations in active margins of different geological settings. Pp 327-44 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1976. Editions Technip, Paris. 413 p.
- MATTI, J.C.; ZEMMELS, I.; COOK, H.E. 1973: Mineralogy and mineralogic trends in sediments from the Tasman and Coral Seas, Leg 21, Deep Sea Drilling Project. In Burns, R.E.; Andrews, J.E. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 723-50.
- MATSUBAYASHI, O. 1982: Reconnaissance measurements of heat flow in the Central Pacific. *Cruise Rep. Geol. Surv. Japan* 18 : 90-94.
- MATSUBAYASHI, O.; MIZUNO, A. 1982: Bottom potential temperature and vertical temperature profiles of near-bottom waters in the Central Pacific. *Cruise Rep. Geol. Surv. Japan* 18 : 231-37.
- MAUNG, T.U. 1982: Review of deep water capabilities for exploratory drilling and production of oil and gas suitable for CCOP/SOPAC region. 10 p.
- MENARD, H.W. 1964: "Marine Geology of the Pacific". McGraw-Hill, New York. 271 p.
- MENARD, H.W.; LADD, H.S. 1963: Oceanic islands, seamounts, guyots, and atolls. Pp 365-85 in Hill, M.N. (ed.) "The Sea. Volume 3". Interscience, New York.
- MENARD, H.W.; SMITH, S.M. 1966: Hypsometry of ocean basin provinces. *J. geophys. Res.* 71 : 4305-25.
- MENARD, H.W.; SMITH, S.M.; CHASE, T.E. 1964: Guyots in the South-western Pacific Basin. *Bull. geol. Soc. Am.* 75 : 145-48.
- MEYERHOFF, H.A.; MEYERHOFF, A.A. 1977: Genesis of island arcs. Pp 357-70 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1979. Editions Technip, Paris. 413 p.

- MEYLAN, M.A. 1978: Marine sedimentation and manganese nodule formation in the southeastern Pacific Ocean. Unpubl. Ph.D. thesis, University of Hawaii, Honolulu.
- MEYLAN, M.A.; GLASBY, G.P.; MCDUGALL, J.C.; KRUMBALEK, S.C. 1982: Lithology, colour, mineralogy, and geochemistry of marine sediments from the southwestern Pacific and Samoan Basins. *N.Z. Jl Geol. Geophys.* 25 : 437-58.
- MITA, N.; NAKAO, S.; KATO, K. 1982: Minor chemical composition of bottom sediments from the Central Pacific, Wake-Tahiti transect. *Cruise Rep. Geol. Surv. Japan* 18 : 313-37.
- MITCHELL, B.J. 1976: Anelasticity of the crust and upper mantle beneath the Pacific Ocean from the inversion of observed surface wave attenuation. *Geophys. J. R. astr. Soc.* 46 : 521-33.
- MIYASHIRO, A. 1975: Island arc volcanic rock series : A critical review. *Petrologie* 1 : 177-87.
- MIZUNO, A.; CHUJO, J. (eds) 1975: Deep Sea Mineral Resources Investigation in the eastern Central Pacific Basin. August-October 1974 (GH74-5 cruise). *Cruise Rep. Geol. Surv. Japan* 4 : 103 p.
- MIZUNO, A.; NAKAO, S. (eds) 1982: Regional Data of Marine Geology, Geophysics, and Manganese Nodules : the Wake-Tahiti transect in the Central Pacific. January-March 1980 (GH80-1 Cruise). *Cruise Rep. Geol. Surv. Japan* 18.
- MOBERLY, R.; HEATH, G.R. 1971: Carbonate sedimentary rocks from the Western Pacific : Leg 7, Deep Sea Drilling Project. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 977-86.
- MOBERLY, R.; HEATH, G.R. 1971 Volcanic rocks from the western and central Pacific : Leg 7, Deep Sea Drilling Project. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1011-26.
- MOLNAR, P.; ATWATER, T.; MAMMERICKX, J.; SMITH, S.M. 1975: Magnetic anomalies, bathymetry and tectonic evolution of the South Pacific since the Late Cretaceous. *Geophys. J. R. astr. Soc.* 40 : 383-420.
- MOLNAR, P.; FREEDMAN, D.; SHIH, J.S.F. 1979: Lengths of intermediate and deep seismic zones and temperature of down-going slabs lithosphere. *Geophys. J. R. astr. Soc.* 56 : 41-54.
- MOORE, T.C.; HEATH, G.R. 1967: Abyssal hills in the Central Equatorial Pacific : Detailed structure of the sea floor and sub-bottom reflectors. *Mar. Geol.* 5 : 161-79.
- MORITANI, T. (ed.) 1979: Deep Sea Mineral Resources Investigation in the Central-Western Part of Central Pacific Basin. January-March 1977 (GH77-1 Cruise). *Cruise Rep. Geol. Surv. Japan* 12 : 256 p.
- MORITANI, T.; ONODERA, K. (eds) 1981: Deep Sea Mineral Resources Investigation in the western part of the Central Pacific Basin. January-March 1978 (GH78-1 Cruise). *Cruise Rep. Geol. Surv. Japan* 17.
- MURAV'YEV, V.I. 1974: [Formation of clays in oceanic sediments of the southwestern part of the Pacific Ocean.] *Litol. Polez. Iskop.* 4 : 24-38.
- NEPROCHNOV, Yu P.; MOSKALENKO, V.N.; YEL'NIKOV, I.N.; SHISHKINA, N.A.; TKACHUK, A.N. 1975: New data on the structure of the sedimentary sequence in the Lord Howe Rise and the New Caledonian Basin. *Oceanology* 15(4) : 449-52.
- NISHIWAKI, C. 1982: Tectonic stress and metallogenesis - Southwest Pacific island arc region. *Progm. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 38.  
also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 976.
- NOTHOLT, A.J.G. 1980: World phosphate rock production, trade and developments. *U.N. ECAFE, Miner. Resour. Dev. Ser.* 47 : 73-81.
- NUR, A.; BEN-AVRAM, Z. 1979: Oceanic plateaus in the tectonic evolution of the Pacific. *EOS Trans. Am. geophys. Un.* 60(46) : 950.
- OFFICER, C.B. 1954: Southwest Pacific crustal structure. *Trans. Am. geophys. Un.* 36 : 449-59.

- OLIVIER, J.E.; EWING, M.; PRESS, F. 1955: Crustal and surface wave dispersion. Part IV : Atlantic and Pacific Ocean basins. *Bull. geol. Soc. Am.* 66 : 913-46.
- OLIVER, J.; ISACKS, B.L. 1967: Deep earthquake zones, anomalous structures in the upper mantle, and the lithosphere. *J. geophys. Res.* 72(16) : 4259-75.
- OLIVER, J.; ISACKS, B.L. 1968: Structure and mobility of the crust and mantle in the vicinity of island arcs. *Can. J. Earth Sci.* 5(4) : 985-91.
- OZIMA, M.; KANEOKA, I.; ARAMAKE, S. 1970: K-Ar ages of submarine basalts dredged from seamounts in the western Pacific area and discussion on oceanic crust. *Earth Planet. Sci. Lett.* 8 : 237-49.
- PACKHAM, G.H. 1973: A speculative Phanerozoic history of the South-west Pacific. Pp 369-88 in Coleman, P.J. (ed.) "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- PACKHAM, G.H. 1975: Review of the Southwest Pacific. Pp 8-9 in Veevers, J.J. (ed.) "Deep Sea Drilling in Australasian Waters". Macquarie University, Australia.
- PACKHAM, G.H. (ed.) 1982: Foreword to Paper on the tectonics of the Southwest Pacific region. In "The Evolution of the India-Pacific Plate Boundaries". *Tectonophysics* 87(1-4) : 1-10.
- PACKHAM, G.H.; ANDREWS, J.E. 1975: Results of Leg 30 and the geologic history of the Southwest Pacific arc and marginal sea complex. In Andrews, J.E.; Packham, G.H. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 691-705.
- PACKHAM, G.H.; FALVEY, D.A. 1971: An hypothesis for the formation of marginal seas in the western Pacific. *Tectonophysics* 11(2) : 79-109.
- PACKHAM, G.H.; VAN DER LINGEN, G.J. 1973: Progressive carbonate diagenesis at Deep Sea Drilling sites 206, 207, 208, and 210 in the Southwest Pacific and its relationship to sediment physical properties and seismic reflectors. In Burns, R.E.; Andrews, J.E. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 495-522.
- PARROT, J.F.; DUGAS, F. 1980: The disrupted ophiolitic belt of the Southwest Pacific : Evidence of an Eocene subduction zone. *Tectonophysics* 66(4) : 349-72.
- PATCHETT, P.J. 1982:  $^{176}\text{Hf}/^{177}\text{Hf}$  behaviour of the limits of the mantle Hf-Nd-Sr isotopic variation. *EOS Trans. Am. geophys. Un.* 63(18) : 461.
- PAUTOT, G.; MELGUEN, M. 1976: Deep bottom currents, sedimentary hiatuses and polymetallic nodules. In Glasby, G.P.; Katz, H.R. (eds) "Marine Geological Investigations in the Southwest Pacific and Adjacent Areas". Papers presented at the I.D.O.E. Workshop, Suva, Fiji, September 1975. *U.N. ESCAP, CCOP/SOPAC Tech. Bull.* 2 : 54-61.
- PETERMAN, Z.E.; HEDGE, C.E. 1971: Related strontium isotopic and chemical variations in oceanic basalts. *Bull. geol. Soc. Am.* 82 : 493-500.
- PIPER, D.Z.; SWINT, T.R.; MCKELVEY, V.E.; SULLIVAN, L. 1982: Distribution of manganese nodules in Pacific Ocean. *Prog. Abstr. 3rd Circum-Pacific Energy and Mineral Resources Conf., Honolulu* : 41.  
also in : *Bull. Am. Ass. Petrol. Geol.* 66(7) : 980.
- PITMAN, W.C. 1967: Magnetic anomalies in the Pacific and ocean floor spreading. Unpubl. Ph.D. thesis, Columbia University, Palisades, New York.
- PITMAN, W.C.; HERRON, E.M.; HEIRTZLER, J.R. 1968: Magnetic anomalies in the Pacific and sea floor spreading. *J. geophys. Res.* 73 : 2069-85.
- PRESLEY, B.J.; KAPLAN, I.R. 1971: Interstitial water chemistry : Deep Sea Drilling Project Leg 7. In Winterer, E.L. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 7. In Winterer, E.L. et al. "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 883-88.
- RANKIN, P.C.; GLASBY, G.P. 1979: Regional distribution of rare earth and minor elements in manganese nodules and associated sediments in the Southwest Pacific and other localities. Pp 681-97 in "Marine Geology and Oceanography of the Pacific Manganese Nodule Province". Plenum Publishing Co., New York.

- RAVENNE, C.; DUNAND, J.P.; DE BROIN, C.E.; AUBERTIN, F. 1982: Les bassins sédimentaires du Sud-Ouest Pacifique. [Sedimentary basins of the Southwest Pacific.] *In* Equipe Géologie-Geophysique ORSTOM Noumea "Contribution à l'étude géodynamique du Sud-Ouest Pacifique". *Trav. Doc. ORSTOM 147* : 461-78.
- RAWSON, M.D.; RYAN, W.B.F. 1978: "Ocean Floor Sediment and Polymetallic Nodules, 1:23,230,300". Chart. Office of the Geographer, Department of State, U.S.A.
- RECY, J.; DUBOIS, J.; DANIEL, J.; DUPONT, J.; LAUNAY, J. 1977: Fossil subduction zones. Examples in the South-west Pacific. Pp 345-56 *in* International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1979. Editions Technip, Paris. 413 p.
- RICHARDS, H.G.; FAIRBRIDGE, R.W. 1965: Annotated bibliography of Quaternary shorelines (1945-1964). *Spec. Publs Acad. nat. Sci. Philad. 6*.
- RICHARDSON, E.S.; RONA, P.A. 1980: Global Eocene plate reorganization : Implications for petroleum exploration. *In* "Symposium on Petroleum Potential in Island Arcs, Small Ocean Basins, Submerged Margins and Related Areas", Suva, Fiji, September 1979. *U.N. ESCAP, CCOP/SOPAC Tech. Bull. 3* : 35-36.
- RIEDEL, W.R.; SANFILIPPO, A. 1971: Cenozoic Radiolaria from the western Tropical Pacific, Leg 7. *In* Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1529-1672.
- RINGIS, J. 1972: The structure and history of the Tasman Sea and the southeast Australian margin. Unpubl. Ph.D. thesis, University of New South Wales, Sydney, Australia.
- RINGWOOD, A.E. 1974: The petrological evolution of island arc systems. *J. geol. Soc. Lond. 130* : 183-204.
- ROBERTSON, E.I. 1965: Gravity base stations in the South-west Pacific Ocean. *N.Z. Jl Geol. Geophys. 8(3)* : 424-39.
- ROBERTSON, E.I. 1967: Gravity effects of volcanic islands. *N.Z. Jl Geol. Geophys. 10(6)* : 1466-83.
- ROBERTSON, E.I.; KIBBLEWHITE, A.C. 1966: Bathymetry around isolated volcanic islands and atolls in the South Pacific Ocean. *N.Z. Jl Geol. Geophys. 9(1-2)* : 111-21.
- ROE, K.K.; BURNETT, W.C.; BEERS, M.J. 19-: Uranium series studies of Pacific island phosphate deposits. (Harry S. Ladd volume) *Spec. Publ. geol. Soc. Am.*
- RONA, P.A. 1983: Exploration for hydrothermal mineral deposits at seafloor spreading centers. *Mar. Mining 4(1)* : 7-38.
- RUDD, E.A.; KATZ, H.R. 1968: Petroleum developments in Southwest Pacific region during 1967. *Bull. Am. Ass. Petrol. Geol. 52* : 1592-1603.
- RUDD, E.A.; KATZ, H.R. 1969: Petroleum developments in Southwest Pacific region during 1968. *Bull. Am. Ass. Petrol. Geol. 53* : 1808-20.
- RUSSEL, R.J. (ed.) 1961: "Pacific Island Terraces". *Z. Geomorph. 3* : 106 p.
- SAYLES, F.L.; MANHEIM, F.T. 1971: Interstitial water studies on small cored samples, Deep Sea Drilling Project, Leg 7. *In* Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 571-82.
- SCHLANGER, S.O.; JACKSON, E.D. *et al.* 1976: "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 973 p.
- SCHLANGER S.O.; JENKYN, H.C.; PREMOLI-SILVA, I. 1981: Volcanism and vertical tectonics in the Pacific Basin related to global Cretaceous transgressions. *Earth Planet. Sci. Lett. 52(2)* : 435-39.
- SCHLUE, J.W.; KNOPOFF, L. 1977: Shear-wave polarization anisotropy in the Pacific Basin. *Geophys. J. R. astr. Soc. 49* : 145-65.
- SCHOLL, D.W.; MARLOW, M.S. 1974: Sedimentary sequence in modern Pacific trenches and the deformed Circum-Pacific Eugeosyncline. *Spec. Publ. Soc. Econ. Paleont. Miner. 19* : 193-211.
- SCHRADER, H.-J. 1976: Marine diatom biostratigraphy of selected samples from the Equatorial Pacific, DSDP Leg 33. *In* Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 491-92.

- SCLATER, J.G. 1972: Heat flow and elevation of the marginal basins of the western Pacific. *J. geophys. Res.* 77 : 5705-19.
- SCLATER, J.G.; JARRARD, R.D. 1971: Preliminary paleomagnetic results, Leg 7. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 1227-34.
- SCLATER, J.G.; RITTER, V.G. 1972: Heat flow in the southwestern Pacific. *J. geophys. Res.* 77(29) : 5697-5704.
- SCOTT, R.B. 1979: Petrology and geochemistry of ocean plateaus : Indication of their origin. *EOS Trans. Am. geophys. Un.* 60(46) : 949.
- SEEGER, C.R. 1976: Comment on "Stress fields in central portion of the Pacific plate : delineated in time by linear volcanic chains" by E.D. Jackson and H.R. Shaw. *J. geophys. Res.* 81 : J374-J376.
- SHAFIK, S. 1975: Nannofossil biostratigraphy of the Southwest Pacific, Deep Sea Drilling Project, Leg 30. In Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 549-98.
- SHAW, R.D. 1978: Sea floor spreading in the Tasman Sea : A Lord Howe Rise-Eastern Australian Reconstruction. *Bull. Aust. Soc. explor. Geophys.* 9(3) : 75-81.
- SHOR, G.G.; KIRK, H.K.; MENARD, H.W. 1971: Crustal structure of the Melanesian area. *J. geophys. Res.* 76 : 2562-86.
- SHOR, G.G.; MENARD, H.W.; RAITT, R.W. 1971: Structure of the Pacific Basin. Pp 3-27 in Maxwell, H.E. (ed.) "The Sea. Volume 4". Wiley, New York.
- SHOR, G.G.; RAITT, R.W. 1969: Explosion seismic refraction studies of the crust and upper mantle in the Pacific and the Indian Oceans. In Hart, P.J. (ed.) "The Earth's Crust and Upper Mantle". *Geophys. Monogr.* 13 : 225-30.
- SHRIVASTAVA, P.C.; FRIEDRICH, G.; GLASBY, G.P.; ECHLE, W.; THIJSSSEN, T. 1981: Grain size distribution, coarse fraction and mineralogy of sediments from five areas in the Equatorial and Southwest Pacific. *Indian J. mar. Sci.* 10 : 173-79.
- SIMONEIT, B.R.T. 1973: Appendix 1 : The identification of isoprenoidal ketones in DSDP core samples and their geochemical significance. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 909-24.
- SIMONEIT, B.R.; BURLINGAME, A.L. 1971: Some preliminary results on the higher weight hydrocarbons and fatty acids in the Deep Sea Drilling Project cores, Legs 5-7. In Winterer, E.L. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 8809-912.
- SKORNYAKOVA, N.S.; PETELIN, V.P. 1967: Sediments in the central part of the South Pacific. *Oceanology* 7 : 779-92.
- SLEEP, N.; TOKSOZ, M.N. 1971: Evolution of marginal basins. *Nature, Lond.* 233 : 548-50.
- SOLOMON, S.; BIEHLER, S. 1969: Crustal structure from gravity anomalies in the Southwest Pacific. *J. geophys. Res.* 74 : 6696-6701.
- SOLOV'YEVA, I.A. 1970: Deep structure of the Pacific crust. *Geotectonics* 10(3) : 157-68.
- STERN, R.J. 1979: Strontium isotopes in island arcs and marginal basins from the Circum-Pacific : Regional variations and implications for magmagenesis. (Abstr.) *Abstr. Progr. geol. Soc. Am.* 11(7) : 524.
- STERN, R.J. 1982: Strontium isotopes from Circum-Pacific intra-oceanic island arcs and marginal basins : Regional variations and implications for magmagenesis. *Bull. geol. Soc. Am.* 93(6) : 477-86.
- STEVENS, G.R. 1977: Mesozoic biogeography of the South-west Pacific and its relationship to plate tectonics. Pp 309-26 in International Symposium on "Geodynamics of the Southwest Pacific", New Caledonia, August-September 1979. Editions Technip, Paris. 413 p.
- SUTTON, G.H.; MAYNARD, G.L.; HUSSONG, D.M. 1971: Widespread occurrence of a high-velocity basal layer in the Pacific crust found with repetitive sources and sonobuoys. In Heacock, J.G. (ed.) "The Structure and Physical Properties at the Earth's Crust". *Geophys. Monogr.* 14 : 193-209.

- SYKES, L.R. 1966: The seismicity and deep structure of island arcs. *J. geophys. Res.* 71(12) : 2981-3006.
- SYKES, L.R. 1966: Seismicity of island arcs. (Abstr.) *Spec. Pap. geol. Soc. Am.* 87 : 332.
- TAKAYANAGI, Y.; ODA, M. 1970: Shore laboratory report on Cenozoic planktonic Foraminifera : Leg 33. In Schlanger, S.O.; Jackson, E.D. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 33". Washington. (U.S. Government Printing Office) : 451-66.
- TAMRAZYAN, G.P. 1970: Some characteristic features of seismic energy release (in time) on the south-western margin of the Pacific Ocean. *N.Z. Jl Geol. Geophys.* 13(2) : 400-7.
- TARGULYAN, V.O.; ELPATIEVSKY, V.V. 1983: Genesis and age of soils of silicate and carbonate islands of the Southwestern Pacific. (Abstr.) *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin 2* : 232-33.
- TERRILL, A. 1975: Depositional and tectonic patterns in the northern Lord Howe Rise-Mellish Rise area. *Bull. Aust. Soc. explor. Geophys.* 6(2-3) : 37-39.
- TOMODA, Y. 1973: Gravity anomalies in the Pacific Ocean. Pp 5-20 in Coleman, P.J. (ed) "The Western Pacific : Island Arcs, Marginal Seas, Geochemistry". University of Western Australia Press, Nedlands. 675 p.
- TRACEY, J.I. *et al.* 1971: "Initial Reports of the Deep Sea Drilling Project, Volume 8". Washington. (U.S. Government Printing Office) : 1037 p.
- TURCOTTE, D.L.; MCADOO, D.C.; CALDWELL, J.G. 1978: An elastic-perfectly plastic analysis of the bending of the lithosphere at a trench. *Tectonophysics* 47(3-4) : 193-205.
- UDINTSEV, G.B.; DMITRIYEV, L.V. *et al.* 1974: [New data on trenches in the southwestern part of the Pacific Ocean.] *Geotektonika 2* : 3-14.
- UDINTSEV, G.B.; AGAPOVA, G.V.; BERESNEV, A.F.; SUZYUMOV, A.Y. 1977: [Northern Melanesian trench structure and its role in the structure of transitional zones of the western parts of the Pacific Ocean.] *Trudy nauchno-issled. Inst. Sib. Otd. Akad. Nauk SSSR 41* : 3-4.
- UDINTSEV, G.B.; AGAPOVA, G.V.; LARINA, N.I.; MAROVA, N.A. 1976: Seamounts of the Pacific Ocean : General features of relief of Pacific Ocean floor. Pp 7-33 in Aoki, H.; Susumu, I. (eds) "Volcanoes and Tectonosphere". Tokai University Press, Tokyo.
- UDINTSEV, G.B.; NEPROCHNOV, Y.P.; SOUZYUMOV, A.E. 1975: Deep structure and tectonics of the SW Pacific Ocean floor. *Proc. 13th Pacif. Sci. Congr., 13(1)* : 413.
- UYEDA, S. 1977: Some basic problems in the trench-arc-back arc system. Pp 1-14 in Talwani, M.; Pitman, W.C. (eds) "Island Arcs, Deep Sea Trenches and Back-Arc Basins". Maurice Ewing Series 1. American Geophysical Union, Washington. 470 p.
- VALLIER, P.L.; REA, D.A. 1980: Cretaceous volcanic episodes in the western Pacific Ocean : A synthesis of deep sea drilling results. *Abstr. Prog. geol. Soc. Am.* 12(7) : 539.
- VAN DER LINDEN, W.J.M. 1960: Southwest Pacific Ocean. Pp 846-52 in Fairbridge, R.W. (ed.) "Encyclopaedia of Oceanography". Reinhold Publ. Corp., New York.
- VAN DER LINGEN, G.J. 1973: Ichnofossils in deep-sea cores from the Southwest Pacific. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 693-700.
- VAN DER LINGEN, G.J. (ed.) 1977: "Diagenesis of Deep-Sea Biogenic Sediments". (Benchmark Papers in Geology 40) Dowden, Hutchinson & Ross, Inc., Stroudsburg, Pennsylvania. 385 p.
- VAN DER LINGEN, G.J. 1982: Development of the North Island Subduction System, New Zealand. Pp 259-72 in Leggett, J.K. (ed.) "Trench-Forearc Geology : Sedimentation and Tectonics on Modern and Ancient Active Plate Margins". Blackwell, London, for Geological Society of London. 576 p.
- VEEH, H.H. 1979: Uranium-series ages of insular phosphorite. Pp 16-18 in Burnett, W.C.; Sheldon, R.P. (eds) "Report on the Marine Phosphatic Sediments Workshop". East-West Center, Honolulu, Hawaii.
- VEEH, H.H. 1983: Uranium-series of phosphate deposits on coral reef islands. (Abstr.) *Prog. Abstr. 15th Pacif. Sci. Congr., Dunedin 2* : 245.

- VLAAR, N.J.; WORTEL, M.J.R. 1976: Lithospheric aping, instability and subduction. *Tectonophysics* 32 : 331-51.
- VOGT, P.R. 1981: On the applicability of thermal conduction models to mid-plate volcanism : Comments on a paper by Gass *et al.* *J. geophys. Res.* 86(B2) : 950-60.
- VON HERZEN, R.P. 1973: Geothermal measurements, Leg 21. In Burns, R.E.; Andrews, J.E. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 21". Washington. (U.S. Government Printing Office) : 443-58.
- WALKER, D.A. 1981: High frequency Pn, Sn velocities; some comparisons for the western Central and South Pacific. *Geophys. Res. Lett.* 8(3) : 207-9.
- WARIN, O.N. 1967: Deposits of phosphate rocks in Oceania. In Seminar on "Sources of Mineral Raw Materials for Fertilizer Industry in Asia and the Far East", Bangkok, December 1964.
- WATANABE, T.; LONGSETH, M.C.; ANDERSON, R.N. 1977: Heat flow in back-arc basins of the Western Pacific. Pp 137-62 in Talwani, M.; Pitman, W.C. (eds) "Island Arcs, Deep Sea Trenches, and Back-arc Basins". Maurice Ewing Series 1. American Geophysical Union, Washington. 470 p.
- WATTS, A.B.; WEISSEL, J.K.; LARSON, R.L. 1977: Seafloor spreading in marginal basins of the Western Pacific. *Tectonophysics* 37(1-3) : 167-81.
- WEEKS, L.G. 1969: Geological architecture of the Circum-Pacific. *Bull. Am. Ass. Petrol. Geol.* 43(2) : 350-80.
- WEISSEL, J.K.; HAYES, D.E.; HERRON, E.M. 1977: Plate tectonic synthesis : The displacement between Australia, New Zealand, and Antarctica since the Late Cretaceous. *Mar. Geol.* 25 : 231-77.
- WESTBERG, M.J.; RIEDEL, W.R. 1978: Accuracy of radiolarian correlations in the Pacific Miocene. *Micropaleontology* 24(1) : 1-23.
- WHARTON, W.J.L. 1890: Notes on a recent volcanic island in the Pacific. *Nature, Lond.* 41 : 276-78.
- WHARTON, W.J.L. 1897: Foundations of coral atolls. *Nature, Lond.* 55 : 390-93.
- WHITE, W.C.; WARIN, O.N. 1964: A survey of phosphate deposits in the South-west Pacific and Australian waters. *Bull. Bur. Miner. Resour. Geol. Geophys. Aust.* 69 : 134-44.
- WINTERER, E.L. 1976: Anomalies in the tectonic evolution of the Pacific. In Sutton, G.H.; Manghmani, M.K.; Moberly, R. (eds) "The Geophysics of the Pacific Ocean and its Margin". *Geophys. Monogr.* 19 : 269-78.
- WINTERER, E.L. *et al.* 1971: "Initial Reports of the Deep Sea Drilling Project, Volume 7". Washington. (U.S. Government Printing Office) : 841 p.
- WINTERER, E.L. *et al.* 1971: Preliminary results of *Glomar Challenger* Leg 17, Central Pacific. (Abstr.) *Abstr. Progm. geol. Soc. Am.* 3(7) : 755.
- WINTERER, E.L.; EWING, J.L. *et al.* 1973: "Initial Reports of the Deep Sea Drilling Project, Volume 17". Washington. (U.S. Government Printing Office) : 930 p.
- WOODMANSEE, W.C. 1977: The mineral industry of other South Pacific Islands (British Solomon Islands, Christmas Island, Fiji, Nauru and Ocean Island, New Caledonia, New Hebrides, Papua New Guinea, Tonga). *Publ. U.S. Bur. Mines* : 11 p.
- WOOLLARD, G.P. 1975: The interrelationships of crustal and upper mantle parameter values in the Pacific. *Rev. Geophys. Space Phys.* 13(1) : 87-137.
- WOOLLARD, G.P.; STRANGE, W.E. 1962: Gravity anomalies and the crust of the earth in the Pacific Basin. *Geophys. Monogr.* 6 : 60-80.
- WRIGHT, J.B. 1966: Convection and continental drift in the Southwest Pacific. *Tectonophysics* 3(2) : 69-81.
- WYCHE, C. 1978: Other Pacific islands (British Solomon Islands, Christmas Island, Fiji Islands, Nauru and Ocean Island, New Caledonia, New Hebrides, Papua New Guinea) (mineral industry, 1975). *Yb. U.S. Bur. Mines Miner.* 1975(3) : 1283-92.
- WYCHE, C. 1979: Mineral industries of Canada, Australia and Oceania. *U.S. Dep. Interior. Bur. Mines* : 67 p.



- WYCHE, C. 1980: The mineral industry of other South Pacific Islands (Fiji, Nauru, Ocean Island, New Caledonia, New Hebrides, Papua New Guinea, Solomon Islands, Tonga Island). *Yb. U.S. Bur. Mines Miner.* : 10 p.
- WYCHE, C. 1981: The mineral industry of other South Pacific Islands (Fiji, Nauru, Ocean Island, New Caledonia, New Hebrides, Papua New Guinea, Solomon Islands, Tonga Islands). *Yb. U.S. Bur. Mines Miner. 1978-79(3)* : 1241-50.
- ZEMMELS, I.; COOK, H.E.; MATTI, J.C. 1975: X-ray mineralogy data, Tasman Sea and far Western Pacific, Leg 30, Deep Sea Drilling Project. *In* Andrews, J.E.; Packham, G.H. *et al.* "Initial Reports of the Deep Sea Drilling Project, Volume 30". Washington. (U.S. Government Printing Office) : 603-16.
- ZOLOTAREV, B.P.; VOYOTV, G.I.; CHEREVICHNAYA, L.F. 1976: Gases in young basaltoids of some islands in the Southwestern Pacific. *Dokl. Acad. Sci. USSR, Earth Sci. Sect. 229(1-6)* : 205-7.

## LIST OF JOURNALS SEARCHED

In most cases journals have been searched following on from those volumes searched in preparation for *Tech. Bull. 1* (appearing in square brackets). Other journals have been searched from approximately 1974 onwards.

American Journal of Science [48–58] 269–82  
American Mineralogist 55–65  
Atoll Research Bulletin [12–14; 28–135] 170–225  
BMR Journal of Australian Geology and Geophysics 1–7(2)  
Bulletin of the American Association of Petroleum Geologists 58(1)–66(10)  
Bulletin of the Geological Society of America [45–85(2)] 86–93(10)  
Bulletin Volcanologique 28–43(4)  
Cahiers ORSTOM. Serie Oceanographie 8–16  
Cahiers du Pacifique [1–16] 17–21  
Collected Reprints. New Zealand Oceanographic Institute 1952–1982  
Contributions of the Hawaii Institute of Geophysics 1974–1980  
Contributions from Scripps Institution of Oceanography [1938–1972] 1974–1980  
Deep Sea Research 17–29  
Earth Science Journal 4–5  
Earth and Planetary Science Letters 17–62  
Earth Science Reviews 8–18  
Economic Geology [13(7)–69(5)] 70–77(7)  
EOS Transactions of the American Geophysical Union 52–63  
Geochimica Cosmochimica Acta 38–46  
Geological Magazine [85–86; 92–103; 111(61–3)] 112–119(6)  
Geophysical Journal [1–6; 30; 33–37] 38–72  
Geotimes 19–28  
Journal of Geology [1–82] 83–90(6)  
Journal of the Geological Society 130–139(4)  
Journal of Geophysical Research [64–79(17)]  
Journal of Marine Research 32–40(2)  
Journal of the Royal Society of New South Wales [10–60; 92–107] 108–115(2)  
Journal of the Royal Society of New Zealand [1–3] 4–13(1)  
Marine Geology 16–50  
Marine Geophysical Research 1–5(3)  
Marine Geotechnology 1–5(2)  
Marine Mining 1–4(1)  
Memoirs of the New Zealand Oceanographic Institute 1–90  
Mineralogical Magazine 38(293)–46(340)  
Modern Geology 1–8(1)  
New Zealand Journal of Geology and Geophysics [1–17(2)] 17(3)–25(1)  
New Zealand Journal of Science [1–2; ns 2–17(1)] 17(2)–25(4)  
NZOI Field Reports 1–18  
NZOI Oceanographic Summaries 1–22  
NZOI Records 1–4(9)  
Oceanic Abstracts [1964–1974(3)] 1975–1982  
Oceanology 14–21(3)  
Oceanus 5–25(3)  
Pacific Geology 1–15  
Pacific Science [1–27(4)] 28–36(1)  
Proceedings of the Linnaean Society of New South Wales [1–98] 99–105(4)  
Proceedings of the Royal Society of New Zealand [89–102]  
Quarterly Journal of the Geological Society of London [28–126]  
Quaternary Research 1–15(1)  
Recueil du Travaux ORSTOM 4–9  
Sedimentary Geology 11–33(4)  
Sedimentology 21–29(4)  
South Pacific Marine Geological Notes 1–2(10)  
Technical Bulletin. CCOP/SOPAC 1–4

Tectonophysics 1-91(3-4)  
Transactions of the Royal Society of New Zealand [65-80]  
Transactions and Proceedings of the New Zealand Institute [1-64]  
Transactions and Proceedings of the Royal Society of New Zealand, Geology [1-6]  
Trudy Instituta Okeanologiya [1-84]