

NEW ZEALAND
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH

BULLETIN 156

**A Bibliography of the Oceanography
of the
Tasman and Coral Seas
1860-1960**

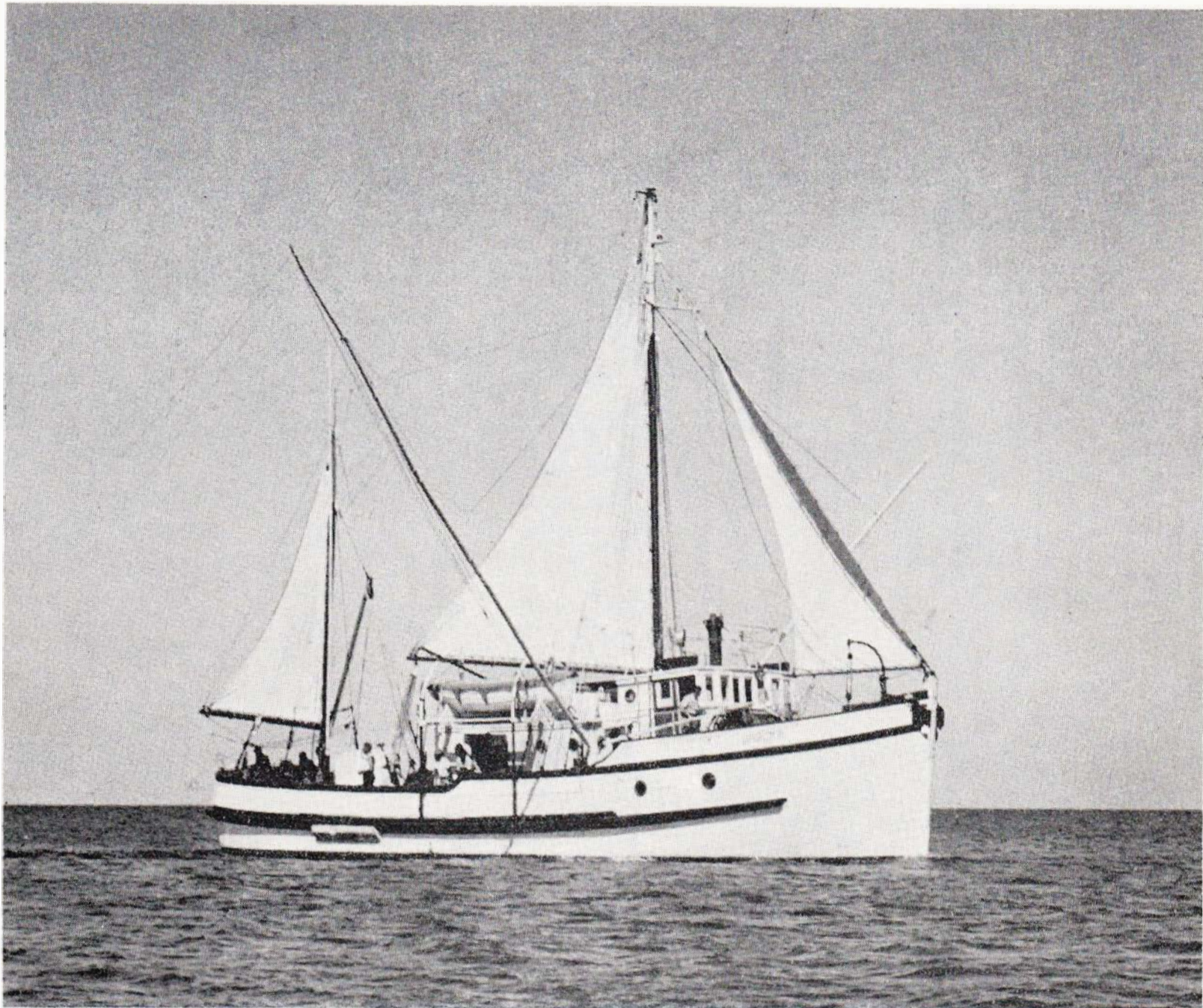
by

BETTY N. KREBS

New Zealand Oceanographic Institute
Memoir No. 24


1964

A BIBLIOGRAPHY OF THE OCEANOGRAPHY
OF THE
TASMAN AND CORAL SEAS
1860–1960



Photograph by courtesy I.F.O.

The research vessel of the Institut Francaise d'Océanie at Noumea, New Caledonia, *Orsom III*. Sampling operations in the Coral Sea.

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FOREWORD

OVER the last few years interest in the oceanography of the Tasman and Coral Seas has been increasing in parallel with the general strengthening of oceanographic activity in the bordering countries.

In 1958 a meeting of Australian, New Caledonian, and New Zealand workers concerned with the study of the Tasman and Coral Seas was held at Cronulla under the auspices of UNESCO. The object of the meeting was to enable the discussion of individual programmes and collaborative investigations in this area.

At a subsequent meeting of a Working Party of this group held in Wellington in 1960, an interim version of this bibliography was tabled.

The present memoir, covering papers dealing with oceanic topics in this region has been compiled to assist both joint and individual research projects among the three countries concerned with the area.

Mrs P. M. Cullen has been responsible for preliminary editing of the manuscript. Final editing for publication has been carried out under the supervision of Mr F. E. Studt, Information Bureau, D.S.I.R.

J. W. BRODIE, Director,
New Zealand Oceanographic Institute.

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PREFACE

OCEANOGRAPHY includes the subjects marine biology, marine geology, hydrology, and chemistry of sea water, and this bibliography on the "Oceanography of the Tasman and Coral Seas to 1960" is an expansion and continuation of a preliminary manuscript bibliography which was prepared for the UNESCO meeting on the Tasman and Coral Sea held in Wellington in August 1960. It covers the areas between latitudes 10° and 45° S and longitudes 145° and 175° E that lie outside the continental shelves. Thus papers dealing mainly with coastal areas around Australia, New Zealand, and New Caledonia have been omitted. Papers dealing solely with fishing and meteorology have not been included as it was felt that these did not come completely within the terms of the bibliography.

The references have been divided into several main subject sections, with a general section covering expedition reports and those papers covering two or more subjects which it is not possible to divide out readily. Some expeditions – notably *Dana* and *Discovery* – have been listed in the general section and also in subject groupings as the relevant sections were easily abstracted. A section on maps and charts of the area has also been included since it was considered worth while to have these listed altogether.

Entries have been made alphabetically under individual authors, with cross references from joint authors, and by date order if there is more

than one entry by the same author. Any works by a corporate author are in the main sequence. The use of "Anon." as a main entry has been avoided as much as possible, the name of the publishing department or institution being used. With the exception of seven items, all references in the list have actually been sighted. No annotations have been made for entries. Abbreviations used are those given in the *World List of Scientific Periodicals*, 3rd ed. London, Butterworth, 1952.

Journals checked include all available scientific New Zealand, Australian, and New Caledonian titles from Vol. 1 onwards in most cases. Each journal has been individually inspected and checked and a list of these is appended. All lists of references at the end of each relevant article have been checked also. References and indexes have been checked in many other journals from the United Kingdom, Japan, France, U.S.S.R., and the United States, but in the main, most items have been found in the New Zealand, Australian, and New Caledonian publications.

It is intended to keep this list up to date, and work on 1961 references is in progress.

Thanks are expressed to Mr E. H. Leatham, Chief Librarian, Department of Scientific and Industrial Research, for advice on technical points and to the Librarians at the Dominion Museum, Alexander Turnbull Library, and the Royal Society of New Zealand for their assistance during checking.

MAIN SOURCES

Annotated Bibliography of Oceanography in Japan	1939-57	New Zealand Science Review	1-
Australia. CSIRO, Division of Fisheries and Oceanography—		Papers and Proceedings of the Royal Society of Tasmania	1898-
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Reports	1-	Proceedings of the Indo-Pacific Fisheries Council	2, 5-8
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Technical Papers	1-	Proceedings of the Linnean Society of New South Wales	1-85 (2)
Australian Journal of Marine and Freshwater Research	1-	Proceedings of the Pacific Science Congress	1-2 (1)
Australian Journal of Science	1-	Proceedings of the Royal Geographical Society – Index	3-9
Australian Journal of Scientific Research B	1-5	Proceedings of the Royal Society of Victoria	1-22
Australian Journal of Zoology	1-	Proceedings of the Royal Zoological Society of New South Wales	(1855-78)
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Journal and Proceedings of the Royal Society of N.S.W.	1-	Transactions and Proceedings of the Royal Society of New Zealand	64-
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Journal of the Royal Society of Western Australia	1-43	Trudy of the Institut Okeanologii, Akademia Nauk SSSR	1-
Limnology and Oceanography	1-		
Marine Observer	2 (23); 4 (45); 5-31		
Memoirs of the Australian Museum, Sydney	1-10		
Memoirs of the Queensland Museum	1-12 (1)		
Memoirs of the Royal Society of South Australia	1-11		
Memoirs of the Victoria National Museum	1-24		
New Zealand Journal of Geology and Geophysics	1-		
New Zealand Journal of Science	1-		
New Zealand Journal of Science and Technology	1-38		

ABBREVIATIONS OF JOURNALS

(From or based on World List of Scientific Periodicals, 3rd ed. London, Butterworth, 1952)

- Amer. J. Sci.** American Journal of Science. New Haven.
Ann. Géogr. Annales de Géographie. Paris.
Akad. Nauk. SSSR. Mez. Kom. Prov. Mez. Geofizich. goda Okeanol. Issled. Akademiia Nauk, SSSR. Mezhdunarodnostvennyi Komitet po provedeniiu Mezhdunarodnogo goda. Okeanologicheskie issledovaniia.
Aust. J. Mar. Freshw. Res. Australian Journal of Marine and Freshwater Research. Melbourne.
Aust. J. Sci. Australian Journal of Science. Sydney.
Aust. Mus. Mem. Memoirs of the Australian Museum. Sydney.
Aust. Nat. Australian Naturalist. Sydney.
Aust. Zool. The Australian Zoologist. Sydney.
Bull. Amer. Ass. petrol. Geol. Bulletin of the American Association of Petroleum Geologists. Chicago.
Bull. Coun. sci. industr. Res. Aust. Bulletin of the Council for Scientific and Industrial Research. Australia. Melbourne.
Bull. Fac. Fish. Hokkaido Univ. Bulletin of the Faculty of Fisheries. Hokkaido University. Japan.
Cah. océanogr. Cahiers océanographiques. Paris.
C.L.O.E.C., I.F.O., Rapp. Sci. Rapport Scientifique de la Comité Locale d'Océanographie et d'Étude des Côtes de Nouvelle-Calédonie. Institut Français d'Océanie. Noumea.
C.R. Acad. Sci., Paris. Compte rendu hebdomadaire des séances de l'Académie des Sciences. Paris.
C.S.I.R.O. Aust. Oceanogr. Sta. List. Oceanographical Station List of the Division of Fisheries and Oceanography. C.S.I.R.O. Australia. Melbourne.
C.S.I.R.O. Aust. Div. Fish. Oceanogr. Rep. Report of the Division of Fisheries and Oceanography. C.S.I.R.O. Australia. Melbourne.
C.S.I.R.O. Aust. Div. Fish. Oceanogr. Tech. Pap. Technical Paper of the Division of Fisheries and Oceanography. C.S.I.R.O. Australia. Melbourne.
Contr. Cushman Fdn. Contributions from the Cushman Foundation for Foraminiferal Research. Sharon. Mass.
Dana rep. Dana Report. "Carlsberg Foundation's Oceanographical expedition round the World, 1928-30."
Deep-Sea Res. Deep-sea Research. London.
Discovery rep. Discovery Reports. Cambridge.
Dokl. Akad. Nauk. SSSR. Doklady of the Akademia Nauk, SSSR. Moscow.
Dom. Mus. Rec. Zool., Wellington. Records of the Dominion Museum. Wellington.
Fish. News Lett. Aust. Fisheries News Letter. Commonwealth Director of Fisheries Australia. Melbourne.
Geol. Rdsch. Geologische Rundschau. Leipzig.
Handbook Coun. sci. industr. Res. Aust. Handbook of the Council for Scientific and Industrial Research. Australia. Melbourne.
J. Conchylol. Journal de Conchyliologie. Paris.
J. Geol. Journal of Geology. Chicago.
J. Mar. Res. Journal of Marine Research. New Haven.
J. Oceanogr., Kobe. Journal of Oceanography. Imperial Marine Observatory. Kobe, Japan.
J. roy. Soc. N.S.W. Journal and Proceedings of the Royal Society of New South Wales. Sydney.
Mar. Obs. Marine Observer. London.
Mem. Fac. Fish. Kagoshima Univ. Memoirs of the Faculty of Fisheries. Kagoshima University, Kagoshima, Japan.
Mongr. Dep. Zool. Univ. Sydney. Monograph of the Department of Zoology. University of Sydney.
Nature, Lond. Nature, London.
N.Z. Dep. sci. industr. Res. Inf. Ser. Information Series of the New Zealand Department of Scientific and Industrial Research. Wellington.
N.Z. J. Geol. Geophys. New Zealand Journal of Geology and Geophysics. Wellington.
N.Z. J. Sci. Tech. New Zealand Journal of Science and Technology. Wellington.
N.Z. Sci. Rev. New Zealand Science Review. Wellington.
Norsk. Hvalfangsttid. Norsk Hvalfangst-Tidende. Kristiania.
O.R.S.T.O.M., I.F.O., Rapp. Cr. Rapport de Croisière de la Office de la Recherche Scientifique et Technique Outre-Mer. Institut Français d'Océanie. Noumea.
O.R.S.T.O.M., I.F.O., Rapp. Sci. Rapport Scientifique de la Office de la Recherche Scientifique et Technique Outre-Mer. Institut Français d'Océanie. Noumea.
Pacif. Sci. Pacific Science. Honolulu.
Pamphl. Coun. sci. industr. Res. Aust. Pamphlet of the Council for Scientific and Industrial Research. Australia. Melbourne.
Pap. Dep. Geol. Univ. Qd. Papers from the Department of Geology. University of Queensland. Brisbane.
Proc. Indo-Pacif. Fish. Coun. Proceedings of the Indo-Pacific Fisheries Council. Bangkok.
Proc. Linn. Soc. N.S.W. Proceedings of the Linnean Society of New South Wales. Sydney.
Proc. Pacif. Sci. Congr. Proceedings Pacific Science Congress.
Proc. roy. Geogr. Soc. Proceedings of the Royal Geographical Society. London.
Proc. Trans. Qd. br. Roy. Geog. Soc. Australasia. Proceedings and Transactions of the Queensland branch of the Royal Geographical Society of Australasia. Brisbane.
Rec. Aust. Mus. Records of the Australian Museum. Sydney.
Rec. oceanogr. Wks. Jap. Records of Oceanographic Works in Japan. National Research Council. Tokyo.
Rep. Aust. Ass. Adv. Sci. Report of the Australasian Association for the Advancement of Science. Sydney.
Sci. Progr. Science Progress. London.
Scot. geogr. Mag. Scottish Geographical Magazine. Edinburgh.
Trans. Amer. geophys. Un. Transactions of the American Geophysical Union. Washington.
Trans. N.Y. Acad. Sci. Transactions of the New York Academy of Sciences. New York.
Trans. Proc. N.Z. Inst. Transactions and Proceedings of the New Zealand Institute. Wellington.
Trans. roy. Soc. N.Z. Transactions and Proceedings of the Royal Society of New Zealand. Wellington.
Trans. roy. Soc. S. Aust. Transactions of the Royal Society of South Australia. Adelaide.
Trudy Inst. Okeanol, Akad. Nauk. SSSR. Trudy of the Institut Okeanologii, Akademiia Nauk SSSR. Moscow.

BIBLIOGRAPHY

GENERAL

AKADEMIIA NAUK SSSR. KOMPLEKSNOI ANTARKTICHESKOI EKSPEDITSII.

- 1958a Aerologicheskii i meteorologicheskii issledovaniia, dizelb-elektrokhode *Ob*, 1955–56. (Aerological and meteorological studies, research ship *Ob*, 1955–56.) Leningrad, Gidrometeorologicheskoe izdatel'stvo.
- 1958b Gidrologicheskie, gidrokhimicheskie, geologicheskie i biologicheskie issledovaniia; dizelb-elektrokhode *Ob* 1955–56. (Hydrological, hydrochemical, geological and biological studies, research ship *Ob*, 1955–56.) Leningrad, Gidrometeorologicheskoe izdatel'stvo.
- 1958c Opisanie ekspeditsii na dizelb-elektrokhode *Ob* 1955–56. (Description of the expedition on board the research ship *Ob*, 1955–56.) Leningrad, Gidrometeorologicheskoe izdatel'stvo.

ANON.

- 1958 *Orsom III*. Compte rendu des croisières du deuxième semestre 1957. *O.R.S.T.O.M., I.F.O., Rapp. Cr. 1.*
- 1959 *Orsom III*. Compte rendu des croisières de l'année 1958. *O.R.S.T.O.M., I.F.O., Rapp. Cr. 2.*
- 1960 *Orsom III*. Compte rendu des croisières de l'année 1959. *O.R.S.T.O.M., I.F.O., Rapp. Cr. 3.*

AUSTRALIAN MUSEUM, SYDNEY.

- 1899–1914 Scientific results of the trawling expedition of HMCS *Thetis* off the coast of New South Wales in February and March, 1898. Sydney, Australian Museum. *Aust. Mus. Mem. 4.*

BRITISH ANTARCTIC (*Terra Nova*) EXPEDITION, 1910–1913

- 1914– Natural history report. London, British Museum. 10 vols.

C.S.I.R.O. AUST.

- 1957a FRV *Derwent Hunter*. Scientific report of cruise 3/56, 19 September–5 October 1956. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Rep. 5* : 3–10.
- 1957b FRV *Derwent Hunter*. Scientific report of cruise 6/56, 29 December 1956–11 February 1957. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Rep. 12.*
- 1958a FRV *Derwent Hunter*. Scientific reports of cruises 1/57–4/57, 16 March–3 June 1957. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Rep. 15.*
- 1958b Australian documents prepared for the UNESCO conference on the oceanography of the Tasman and Coral Seas held at Cronulla, August 9–14, 1958. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Rep. 18.*
- 1958c FRV *Derwent Hunter*. Scientific reports of cruises DH 5/57–DH 7/57, 11 July–8 August 1957. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Rep. 19.*
- 1958d FRV *Derwent Hunter*. Scientific reports of cruises 1/58–9/58, 3 January–1 June 1958. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Rep. 27.*
- 1959a FRV *Derwent Hunter*. Scientific reports of cruises DH 9/57–DH 12/57, 19 August–11 October 1957. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Rep. 20.*
- 1959b FRV *Derwent Hunter*. Scientific reports of cruises DH 14/57–DH 16/57, 13 November–14 December 1957. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Rep. 21.*
- 1959c Scientific reports of a cruise on HMA ships *Queenborough* and *Quickmatch* 24 March–26 April 1958. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Rep. 24.*
- 1959d Scientific reports of cruises on HMAS *Warrego*, W1/57, May 21–28, 1957 and W1/58, 18–26 April 1958. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Rep. 25.*

CARLSBERG FOUNDATION'S OCEANOGRAPHICAL EXPEDITION ROUND THE WORLD, 1928-1930

1932- The Carlsberg foundation's oceanographical expedition round the world, 1928-30, and previous *Dana* expeditions under the leadership of the late Prof. Johannes Schmidt. Copenhagen, published by the Carlsberg foundation and printed by Bianco Luno A/S.

Discovery REPORTS.

1929- Cambridge, University press.

FLEMING, R. H.

See SVERDRUP, H. U., JOHNSON, M. W. and FLEMING, R. H.

Galathea REPORT.

1956- Scientific results of the Danish deep-sea expedition round the world, 1950-52. Copenhagen, Danish science press.

GREAT BARRIER REEF EXPEDITION, 1928-29.

1930 Scientific reports. London, British Museum. 6 vols.

GREAT BRITAIN. CHALLENGER OFFICE.

1880- Reports on the scientific results of the voyage of HMS *Challenger* during the years 1873-76 . . . Prepared under the superintendence of the late Sir C. Wyville Thomson and now of John Murray. London, Edinburgh, and Dublin. Printed for HMSO by Neill and Co. 30 vols.

HASWELL, W. A.

1907 Introductory note on the first deep-sea cruise. In. The results of deep-sea investigation in the Tasman Sea. 1.—The expedition of HMCS *Miner*, 1. *Rec. Aust. Mus.* 6 : 271-2.

HEFFORD, A. E.

1947 Oceanography of the New Zealand seas. Rep. 6th N.Z. Sci. Congr. *Trans. roy. Soc. N.Z.* 77 (5) : 212-21.

JOHNSON, M. W.

See SVERDRUP, H. U., JOHNSON, M. W. and FLEMING, R. H.

MUROMTSEV, A. M.

1958 Osnovnye cherty gidrologii Tikhogo Okeana. (Principal features of the hydrology of the Pacific Ocean.) Lenin-grad, Gidrometeorologicheskoe izdatel'stvo. 2 pts.

Novara EXPEDITION, 1857-1859.

1861- Reise der österreichischen fregatte
75 *Novara* um die erde in den jahren 1857, 1858, 1859, unter den befehlung des commodore B. Von Wullerstorf-Urbair. Wien, K. K. Hof- und Staatsdruckerei. 7 vols.

OCEANIC OBSERVATIONS OF THE PACIFIC: 1949.

1957 Scripps institution of oceanography of the University of California. Berkeley, Univ. of California press. 363 p.

OCEANIC OBSERVATIONS OF THE PACIFIC: 1950.

1960 Scripps institution of oceanography of the University of California. Berkeley, Univ. of California press. 508 p.

ROBINS, J. P.

1958 FRV *Marelda*. Scientific report of cruises July 1957-May 1958. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Rep.* 22.

SCHOTT, G.

1935 Geographie des Indischen und Stillen Ozeans. Hamburg, C. Boysen. 413 p.

SOVETSKOI ANTARKTICHESKOI EKSPEDITSII, 1955-

See AKADEMIJA NAUK SSSR. KOMPLEKSNOI ANTARKTICHESKOI EKSPEDITSII.

SVERDRUP, H. U., JOHNSON, M. W. AND FLEMING, R. H.

1942 The oceans, their physics, chemistry and general biology. New York, Prentice Hall. 1087 p.

UNITED STATES. HYDROGRAPHIC OFFICE.

1953 References on the physical oceanography of the western Pacific Ocean. *H.O. Pub.* 238.

1958 Index to oceanographic station data. 2nd ed. *H.O. Spec. Publ.* 12 : 290-2.

UNESCO CONFERENCE ON THE OCEANOGRAPHY OF THE CORAL AND TASMAN SEAS. CRONULLA, AUGUST 8-13, 1958.

1958a Proceedings. (*Mimeographed.*)

1958b Report presented by France. (*Mimeographed.*)

1958c New Zealand statement. (*Mimeographed.*)

VAUGHAN, T. W. and others.

1937 International aspects of oceanography. Washington, D.C., National Academy of Sciences. 225 p.

MAPS AND CHARTS

- AUSTRALIA. BUREAU OF METEOROLOGY.
1935 Oceanographic chart – Australian region, 1928–1934. (Not sighted.)
- AUSTRALIA. ROYAL AUSTRALIAN AIR FORCE.
1944 Ocean currents, south-west Pacific area. Melbourne. (Not sighted.)
- GREAT BRITAIN. HYDROGRAPHIC DEPARTMENT. OCEANOGRAPHICAL SECTION.
1944 South-east Asian waters – second sheet. Water conditions as observed from various research vessels which have worked in the region. (Not sighted.)
- GREAT BRITAIN. METEOROLOGICAL OFFICE. MARINE BRANCH.
1938 South Pacific ocean currents. (Compiled from observations 1910–1937.) *M.O. 435*.
1947 Monthly meteorological charts of the western Pacific Ocean. *M.O. 484* (Formerly *M.O.M. 422*).
1949 Monthly sea surface temperatures of Australian and New Zealand waters. *M.O. 516* (Formerly *M.O.M. 482*).
- HJORT, JOHAN.
See MURRAY, JOHN and HJORT, JOHAN.
- INTERNATIONAL HYDROGRAPHIC BUREAU, MONACO.
1942 General bathymetric chart of the oceans. *Sheet A'III*. 3rd ed.
- MURRAY, JOHN AND HJORT, JOHAN.
1912 Bathymetrical chart of The Oceans showing the “Deeps” according to Sir John Murray. *In* The depths of the ocean. London, Macmillan. Map 2.
- UNITED STATES. HYDROGRAPHIC OFFICE.
Bathymetric chart, New Guinea to New Zealand. *5484*. (Not sighted.)
1943 Atlas of sea and swell charts, north-western Pacific Ocean, south-western Pacific Ocean. *H.O. Publ. 799 C-E*.
1944 World atlas of sea surface temperatures. 2d. ed. *H.O. Publ. 225*.
1954 Atlas of surface currents of the south-western Pacific Ocean. *H.O. Publ. 568*.

BENTHOS

- BARSANOVA, N. G.
See ZENKEVICH, L. A., BARSANOVA, N. G. and BELIAEV, G. M.
- BELIAEV, G. M.
1960 Kolichestvennoe raspredelenie bentosa v Tasmanovom More i v Antarkticheskikh Vodakh k iugu ot Novoj Zelandii. (Quantitative distribution of benthos in the Tasman Sea and in Antarctic waters to the south of New Zealand.) *Dokl. Akad. Nauk SSSR. 130 : 875–8*.
- BELIAEV, G. M.
See also ZENKEVICH, L. A., BARSANOVA, N. G. and BELIAEV, G. M.
- GUSEV, A. V. AND PASTERNAK, F. A.
1958 Nekotorye zamechaniia o donnoj faune Antarkticheskikh vod. (Some observations on bottom fauna in Antarctic waters.) *Dokl. Akad. Nauk SSSR. 123 : 841–44*.
- PASTERNAK, F. A.
See GUSEV, A. V. and PASTERNAK, F. A.
- ZENKEVICH, L. A., BARSANOVA, N. G. AND BELIAEV, G. M.
1960 Kolichestvennoe raspredelenie donnoj fauny v abissali Mirovogo Okeana. (Quantitative distribution of bottom fauna in the abyssal depths of the Pacific Ocean.) *Dokl. Akad. Nauk SSSR. 130 : 183–6*.

GEOLOGY

- BENSON, W. N.
 1923 Palaeozoic and Mesozoic seas in Australasia. *Trans. Proc. N.Z. Inst.* 54 : 1-62.
 1924 The structural features of the margin of Australasia. *Trans. Proc. N.Z. Inst.* 55 : 99-137.
- BORDOVSKY, O. K.
 1960 K khimii osadkov tsentralnoj chasti Tikhogo okeana. (On the chemistry of sediments of the Central Pacific.) *Trudy Inst. Okeanol. Akad. Nauk, SSSR.* 42 : 107-16.
- BRODIE, J. W.
 1952 Features of the sea-floor west of New Zealand. *N.Z. J. Sci. Tech. B.* 33 : 373-84.
 1958 Structural significance of sea-floor features around New Zealand. *Geol. Rdsch.* 47 : 662-7.
- BROWNE, W. R.
 1947 A short history of the Tasman geosyncline of eastern Australia. *Sci. Progr.* 35 : 623-37.
- BRYAN, W. H.
 1944 The relationship of the Australian continent to the Pacific Ocean - now and in the past. *J. roy. Soc. N.S.W.* 78 : 42-62.
- CLARKE, W. B.
 1875a Scientific researches on board HMS *Challenger*. In Anniversary address. *J. roy. Soc. N.S.W.* 9 : 7-26.
 1875b Notes on deep sea soundings. (Supplementary to the Anniversary address of 12 May.) *J. roy. Soc. N.S.W.* 9 : 57-72.
 1876 On the deep oceanic depression off Moreton Bay. *J. roy. Soc. N.S.W.* 10 : 75-82.
- DAVID, T. W. E.
 1932 Explanatory notes to accompany "A new geological map of Australia": Sydney, Australian Commonwealth Sci. and Indus. Research Organization, 177 p.
- DAVIS, W. M.
 1925 Les côtes et les récifs coralliens de la Nouvelle-Calédonie. *Ann. Géogr.* 34 : 10-12.
- DE JERSEY, N. J.
 1946 Seismological evidence bearing on crustal thickness in the South-west Pacific. *Pap. Dep. Geol. Univ. Qd.* 3 (2) : 1-18.
- FAIRBRIDGE, R. W.
 1950 Recent and Pleistocene coral reefs of Australia. *J. Geol.* 58 : 330-401.
- FERRAR, H. T.
 1925 Soundings in the seas around New Zealand. *N.Z. J. Sci. Tech.* 7 : 295-7.
- FLEMING, C. A.
 1951 Some post-Miocene changes in New Zealand environments. *N.Z. Sci. Rev.* 9 : 166-71.
- GILL, E. D.
 1952 Paleogeography of the Australian - New Zealand region in lower Devonian time. *Trans. roy. Soc. N.Z.* 80 : 171-85.
- GLAESSNER, M. F.
 1950 Geotectonic position of New Guinea. *Bull. Amer. Ass. petrol. Geol.* 34 : 856-81.
 1952 The geology of the Tasman Sea. *Aust. J. Sci.* 14 : 111-4.
- GODDARD, E. J.
 1907 Foraminiferal sand dredged twenty-two miles east of Sydney at a depth of eighty fathoms. In The results of deep-sea investigation in the Tasman Sea. 1. The expedition of HMCS *Miner*, 4. *Rec. Aust. Mus.* 6 : 305-11.
- HAEBERLE, F. R.
 1952a Coral reefs of the Loyalty Islands. *Amer. J. Sci.* 250 : 656-66.
 1952b The D'Entrecasteaux reef group. *Amer. J. Sci.* 250 : 28-34.
- HEDLEY, C.
 1910 The submarine slope of New South Wales. In Presidential address. *Proc. Linn. Soc. N.S.W.* 35 : 9-21.

- HESS, H. H. AND MAXWELL, J. C.
1949 Major structural features of the south-west Pacific: a preliminary interpretation of H.O. 5484, bathymetric chart, New Guinea to New Zealand. *Proc. seventh Pacif. Sci. Congr.* 2 : 14-7.
- JENSEN, H. I.
1936 Ocean soundings and their bearing on past continental areas. *In Problems in the geology of New Caledonia. Proc. Linn. Soc. N.S.W.* 61 : 272-3.
- MARSHALL, P.
1909 Ocean contours and earth movements in the south-west Pacific. *Rep. Aust. Ass. Adv. Sci.* 12 : 432-50.
- MAXWELL, J. C.
See HESS, H. H. and MAXWELL, J. C.
- MURRAY, J.
1897 Balfour Shoal: a submarine elevation in the Coral Sea. *Scot. geogr. Mag.* 13 : 120-34.
- OFFICER, C. B.
1955 South-west Pacific crustal structure. *Trans. Amer. geophys. Un.* 36 : 449-59.
- OSTROUMOV, E. A.
See VOLKOV, I. I. and OSTROUMOV, E. A.
- OVEY, C. D.
See WISEMAN, J. D. H. and OVEY, C. D.
- PETELIN, V. P.
1960 O donnykh osadkakh zapadnoi chasti Tikhogo Okeana. (Bottom sediments in the western part of the Pacific Ocean.) *Akad. Nauk SSSR. Mez. Kom. prov. Nezh. Geofizich. Goda Okeanol. Issled. No. 2* : 45-60.
- ROUTHIER, P.
1953 Discussion on F. R. Haerberle's paper "Coral reefs of the Loyalty Islands". *Amer. J. Sci.* 251 : 470-1.
- SPRIGG, R. C.
1947 Submarine canyons of the New Guinea and South Australian coasts. *Trans. roy. Soc. S. Aust.* 71 : 296-310.
- SQUIRES, D. F.
1956 Climatic interpretation of cenozoic faunal migrations in New Zealand. *Trans. N.Y. Acad. Sci. Ser. II.* 18 : 415-26.
- UDINTSEV, G. B.
1960 O rel'efe dna zapadnoi chasti Tikhogo Okeana. (On the bottom relief of the western region of the Pacific Ocean.) *Akad. Nauk SSSR. Mez. Kom. Prov. Mez. Geofizich. Goda Okeanol. Issled.* 2 : 5-32.
- VOLKOV, I. I. AND OSTROUMOV, E. A.
1960 Paspredelenie sul'fatov v donnykh otlozheniakh Tikhogo Okeana. (Distribution of the sulphates in the bottom sediments of the Pacific.) *Akad. Nauk SSSR. Mez. Kom. Prov. Mez. Geofizich. Goda Okeanol. Issled. No. 2* : 61-70.
- WISEMAN, J. D. H. AND OVEY, C. D.
1954 Proposed names of features on the deep-sea floor. 1. The Pacific Ocean. *Deep-Sea Res.* 2 : 93-106.

HYDROLOGY

(Including Chemistry of Sea-water)

- ANON.
1934 List of stations 3602-3672. *In Introduction to the reports from the Carlsberg foundation's oceanographical expedition round the world 1928-1930. Dana rep. 1* : 26-32.
- 1937 Hydrological observations made during the *Dana* expedition 1928-1930. *Dana rep. 12* : 14-18.
- 1941 Discovery investigations station list 1931-1933. Stations 922-928. *Discovery rep. 21* : 112-4.
- 1944 Discovery investigations station list 1935-37. Stations 1684-1685. *Discovery rep. 24* : 38.
- 1957 Discovery investigations station list 1950-51. Stations 2726-2732, 2817-2821. *Discovery rep. 28* : 328-30, 360-62.

- AUROUSSEAU, M.
1958 Surface temperatures of Australian seas; the older records from fixed stations. *J. roy. Soc. N.S.W.* 92 : 104-14.
- BARLOW, E. W.
1928 Currents on the tracks from Panama to Australian and New Zealand ports. Parts 1 and 2. *Mar. Obs.* 5 : 117-9, 254-7.
1936a Currents in the south Pacific Ocean, south of latitude 34°S, during the southern summer. *Mar. Obs.* 13 : 57.
1936b Currents in the south Pacific Ocean, south of latitude 34°S, during the southern winter and general summary. *Mar. Obs.* 13 : 138-40.
1938a Currents in the south Pacific Ocean, western and central portions. *Mar. Obs.* 15 : 105-8.
1938b The 1910 to 1937 survey of the currents of the south Pacific Ocean. *Mar. Obs.* 15 : 140-9.
1956 Currents of the western south Pacific Ocean. *Mar. Obs.* 26 : 224-6.
- BOYD, A. J.
1891 Ocean currents. Abstract. *Proc. Trans. Qd. br. Roy. Geog. Soc. Australasia* 6 (1) : 29-31.
1894 A remarkable bottle-voyage. *Proc. Trans. Qd. br. Roy. Geog. Soc. Australasia.* 9 : 52-8.
- BURKHOV, V. A. AND OVCHINNIKOV, I. M.
1960 Osobennosti struktury zonalnykh potokov i meridional'noi tsirkulatsii vod v tsentral'noi chasti Tikhogo Okeana zimoi severnogo polumariia. (Structure of zonal streams and meridional circulation in the central Pacific during the northern hemisphere winter.) *Trudy Inst. Okeanol. Akad. Nauk SSSR.* 40 : 93-107.
- CALIFORNIA. UNIVERSITY. SCRIPPS INSTITUTION OF OCEANOGRAPHY.
1957 Data collected by Scripps Institution vessels on EQUAPAC expedition, August 1956. *SIO Ref.* 57-25. (Mimeographed.)
- CARPENTER, W. B.
1875 Summary of recent observations on ocean temperature made in HMS *Challenger*, and USS *Tuscarora*; with their bearing on the doctrine of a general oceanic circulation sustained by difference of temperature. *Proc. roy. Geogr. Soc.* 19 : 493-502.
- C.S.I.R.O. AUST.
1955 Surface sampling in the Tasman Sea, 1953. *C.S.I.R.O. Aust. Oceanogr. Sta. List* 20.
1956a Onshore hydrological investigations in eastern and south-western Australia, 1954. *C.S.I.R.O. Aust. Oceanogr. Sta. List* 24.
1956b Surface sampling in the Tasman Sea, 1954. *C.S.I.R.O. Aust. Oceanogr. Sta. List* 25.
1957a Onshore and oceanic hydrological investigations in eastern and south-western Australia, 1955. *C.S.I.R.O. Aust. Oceanogr. Sta. List* 27.
1957b Surface sampling in the Tasman and Coral Seas, 1955. *C.S.I.R.O. Aust. Oceanogr. Sta. List.* 28.
1957c Onshore and oceanic hydrological investigations in eastern and south-western Australia, 1956. *C.S.I.R.O. Aust. Oceanogr. List.* 30.
1957d Surface sampling in the Tasman and Coral Seas and the south-eastern Indian Ocean, 1956. *C.S.I.R.O. Aust. Oceanogr. Sta. List.* 31.
1959a Surface sampling in the Tasman and Coral Seas, 1957. *C.S.I.R.O. Aust. Oceanogr. Sta. List* 36.
1959b Hydrological investigations from FRV *Derwent Hunter*, 1957. *C.S.I.R.O. Aust. Oceanogr. Sta. List* 37.
1959c Oceanic investigations in eastern Australian waters, FRV *Derwent Hunter*, 1958. *C.S.I.R.O., Aust. Oceanogr. Sta. List* 41.
1960a Surface sampling in the Coral and Tasman Seas, 1958. *C.S.I.R.O. Aust. Oceanogr. Sta. List* 39.
1960b Oceanic investigations in eastern Australia, HMA Ships *Queenborough*, *Quickmatch*, and *Warrego*, 1958. *C.S.I.R.O. Aust. Oceanogr. Sta. List* 43.
- DANNEVIG, H. C.
1907 On some peculiarities in our coastal winds and their influence upon the abundance of fish in inshore waters. *J. roy. Soc. N.S.W.* 41 : 41-5.
- DAVID, T. W. E.
1913 Ocean currents. In Presidential address. *Rep. Aust. Ass. Adv. Sci.* 14 : lxxxi-lxxxii.

- DEACON, G. E. R.
1937 The hydrology of the Southern Ocean. *Discovery rep.* 15 : 1-124.
- DELL, R. K.
1952 Ocean currents affecting New Zealand. Deductions from the drift bottle records of H. C. Russell. *N.Z. J. Sci. Tech. B.* 34 : 86-91.
- EVERDINGEN, E. VAN.
1933 Oceanographic and maritime meteorological observations in the Pacific Ocean. *Proc. fifth Pacif. Sci. Congr. 1* : 667-70.
- FLEMING, C. A.
1952 The seas between. In F. A. Simpson, ed. *The Antarctic Today*. Wellington, Reed. pp. 102-26.
- FOWLER, T. W.
1898 A contribution to Australian oceanography. *Rep. Aust. Ass. Adv. Sci.* 7 : 687-701.
- GARNER, D. M.
1954 Sea surface temperature in the southwest Pacific Ocean from 1949 to 1952. *N.Z. J. Sci. Tech. B.* 36 : 285-303.
1958 A radiocarbon profile in the Tasman Sea. *Nature, Lond.*, 182 : 466-8.
1959a Nomenclature of water masses in the Tasman Sea. *Aust. J. Mar. Freshw. Res.* 10 : 1-6.
1959b The subtropical convergence in New Zealand waters. *N.Z. J. Geol. Geophys.* 2 : 315-37.
- GERKA, T.
See MORITA, T., SAITO, K. and GERKA, T.
- GREAT BRITAIN. HYDROGRAPHIC DEPARTMENT.
1888- List of oceanic depths. London, Admiralty. Hydrographic Dept.
- GREVE, Sv.
1934 Echo soundings with introductory remarks. *Dana rep.* 1 : 79-130.
1938 Echo soundings, an analysis of the results. *Dana rep.* 14.
- HALLIGAN, G. H.
1921 The ocean currents around Australia. *J. roy. Soc. N.S.W.* 55 : 188-95.
- 1929 Oceanographic work in the Australian region. *Proc. fourth Pacif. Sci. Congr.* 2A : 321-31.
- HEPWORTH, M. W. C.
1898 Current observations on the Canadian-Australian route. *J. roy. Soc. N.S.W.* 32 : 120-31.
- HIDAKA, K. AND OGAWA, K.
1960 On the seasonal variations of surface divergence of the ocean currents in terms of wind stresses over the oceans. *Rec. oceanogr. Wks. Jap. ns 4* : 124-69.
- HOWCHIN, W.
1919 Geological memoranda (first contribution). II. Pumice and other substances found as sea-drift near Cape Banks. *Trans. roy. Soc. S. Aust.* 43 : 48-54.
- HUTCHINS, L. W. AND SCHARFF, M.
1947 Maximum and minimum monthly mean sea surface temperatures charted from the "World atlas of sea surface temperatures". *J. Mar. Res.* 6 : 264-8.
- JITTS, H. R.
1959 Measurement of light penetration in the Tasman Sea, 1955-57. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Tech. Pap.* 6.
- KOSHLJAKOV, M. N.
1960 Issledovanie vetrovykh i konveksionnykh zonal'nykh techenii v prilozhenii k ekvatorial'no-tropich eskoj chasti Tikhogo Okeana. (Investigation of wind and convective zonal currents with application to the tropical part of Pacific.) *Trudy Inst. Okeanol. Akad. Nauk SSSR.* 40 : 142-51.
- LENEHAN, H. A.
1904 Current papers, No. 8. *J. roy. Soc. N.S.W.* 38 : 128-39.
- MATUDAIRA, Y.
1933 On the oceanographical observations of the surface water along the route of the 15th cruise of the training ship *Shintoku-maru* from Kobe to Sydney (Dec. 1931-Apr. 1932). *J. Oceanogr., Kobe.* 5 : 251-7. (Not sighted.)
- MIKLOUHO-MACLAY, N. DE.
1884 Note about the temperature of the sea water along the eastern coast of Australia, observed in July 1878 and 1883. *Proc. Linn. Soc. N.S.W.* 9 : 887-90.

- MORITA, T., SAITO, K. AND GERKA, T.
 1955 On the inspection of radioactivity in the equatorial sea and the Coral Sea. (In Japanese with English abstract.) *Mem. Fac. Fish. Kagoshima Univ.* 4 : 151-6. (Not sighted.)
- MURRAY, J.
 1906 On the depth, temperature of the ocean waters, and marine deposits of the south-west Pacific Ocean. *Qd. geogr. J.* 21 : 71-134.
- NEDERLANDS METEOROLOGISCH INSTITUT.
 1949 Sea areas around Australia; oceanographic and meteorological data. *Publ.* 124.
- NEYMAN, V. G.
 1960 Nekotorye rezultaty gidrologicheskikh nabliudenii na *Ob* v Tasmanovom More. (Some results of the hydrological observations carried out on board the *Ob* in the Tasman Sea.) *Akad. Nauk SSSR. Mez. Kom. Prov. Mez. Geofizich. Godn. Okeanol. Issled.* 2 : 96-9.
- OGAWA, K.
 See HIDAKA, K. and OGAWA, K.
- OSTROUMOV, E. A. AND VOLKOV, I. I.
 1960 O formakh soedineniia sery v donnykh otlozheniakh Tikhogo Okeana u Novoj Zelandii. (Forms of sulphur compounds of bottom deposits in the Pacific Ocean near New Zealand.) *Trudy Inst. Okeanol. Akad. Nauk SSSR.* 42 : 117-24.
- OVCHINNIKOV, I. M.
 See BURKHOV, V. A. and OVCHINNIKOV, I. M.
- REID, J. L.
 1959 Evidence of a south equatorial counter-current in the Pacific Ocean. *Nature, Lond.* 184 : 209-10.
- ROCHFORD, D. J.
 1951 A comparison of the hydrological conditions off the eastern and western coasts of Australia. *Proc. Indo-Pacific Fish. Coun.* 1951 (2) : 61-8.
 1955 The use of water mass composition in the interpretation of eastern Australian coastal oceanographical data. *Proc. UNESCO Symp. phys. Oceanogr. Tokyo* : 140-8.
- 1957 The identification and nomenclature of the surface water masses in the Tasman Sea (data to end of 1954). *Aust. J. Mar. Freshw. Res.* 8 : 369-413.
- 1958a The seasonal circulation of the surface water masses of the Tasman and Coral Seas. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Rep.* 16.
- 1958b Total phosphorus as a means of identifying east Australian water masses. *Deep-Sea Res.* 5 : 89-110.
- 1959a Hydrology and microbiology. In Contributions to marine microbiology. *N.Z. Dep. sci. industr. Res. Inf. Ser.* 22 : 24-30. (*N.Z. Oceanogr. Inst. Mem.* 3.)
- 1959b The primary external water masses of the Tasman and Coral Seas. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Tech. Pap.* 7.
- 1959c Hydrological features of a deep meridional section through the Tasman and Coral Seas. *International Oceanographic Congress. New York, 1959. Preprints* : 517-8.
- 1960a The intermediate depth waters of the Tasman and Coral Seas. 1. The 27-20 σ_t surface. *Aust. J. Mar. Freshw. Res.* 11 : 127-47.
- 1960b The intermediate depth waters of the Tasman and Coral Seas. II. The 26-80 σ_t surface. *Aust. J. Mar. Freshw. Res.* 11 : 148-65.
- 1960c Some aspects of the deep circulation of the Tasman and Coral Seas. *Aust. J. Mar. Freshw. Res.* 11 : 166-81.
- ROTSCHI, H.
 1957 *Orsom III. Océanographie physique. Rapport technique de l'expédition E Q U A P A C (croisière 56-4). O.R.S.T.O.M., I.F.O., Rapp. Sci.* 3.
- 1958a *Orsom III. Océanographie physique. Rapport technique de la croisière 56-5. O.R.S.T.O.M., I.F.O., Rapp. Sci.* 5.
- 1958b Résultats des observations scientifiques du *Tiare* croisière *Bounty*. *C.L.O.E.C., I.F.O., Rapp. Sci.* 7.
- 1958c *Orsom III. Résultats de la croisière Astrolabe Ière partie. Océanographie physique. O.R.S.T.O.M., I.F.O., Rapp. Sci.* 8.
- 1959a Remarques sur la circulation océanique entre la Nouvelle-Calédonie et l'île Norfolk. *Cah. océanogr.* 11 : 416-24.
- 1959b État d'avancement des recherches océanographiques autour de la Nouvelle-Calédonie. *Cah. océanogr.* 11 : 543-8.

- 1959c Hydrologie et dynamique du nord-est de la Mer de Corail. *Cah. océanogr.* 11 : 726–50.
- 1959d Chimie. In *Orsom III*. Résultats de la croisière *Astrolabe*. 2ème partie. Chimie, productivité et zooplancton. *O.R.S.T.O.M., I.F.O., Rapp. Sci.* 9 : 3–61.
- 1959e *Orsom III*. Résultats de la croisière *Boussole*. 1ère partie. Océanographie physique. *O.R.S.T.O.M., I.F.O., Rapp. Sci.* 12.
- 1959f Chimie. In *Orsom III*. Résultats de la croisière *Boussole*. 2ème partie. Chimie, productivité et zooplancton. *O.R.S.T.O.M., I.F.O., Rapp. Sci.* 13 : 3–60.
- 1959g Résultats des observations scientifiques du *Tiare*. *C.L.O.E.C., I.F.O., Rapp. Sci.* 14.
- 1960a Recents progrès des recherches océanographiques entreprises dans le Pacifique sud-ouest. *Cah. océanogr.* 12 : 248–67.
- 1960b *Orsom III*. Résultats de la croisière *Choiseul* 1ère partie. Océanographie physique. *O.R.S.T.O.M., I.F.O., Rapp. Sci.* 15.
- 1960c Remarques sur la relation entre l'oxygène et le phosphore minéral dissous en Mer de Corail. Note. *C.R. Acad. Sci., Paris*, 250 : 2403–5.
- 1960d *Orsom III*. Résultats des croisières diverses de 1959. Océanographie physique *O.R.S.T.O.M., I.F.O., Rapp. Sci.* 17.
- 1960e *Orsom III*. Résultats de la croisière *Dillon*. 1ère partie. Océanographie physique *O.R.S.T.O.M., I.F.O., Rapp. Sci.* 18.
- 1960f Sur la circulation et les masses d'eau dans le nord-est de la Mer de Corail. Note. *C.R. Acad. Sci., Paris*. 251 : 965–7.
- 1960g Sur la distribution du pH en Mer de Corail. *C.R. Acad. Sci., Paris*. 251 : 1223–5.
- RUSSELL, H. C.
- 1892 Ocean currents. In Anniversary address. *J. roy. Soc. N.S.W.* 26 : 47–8.
- 1894 Current papers. *J. roy. Soc. N.S.W.* 28 : 245–55.
- 1896 Current papers, No. 2. *J. roy. Soc. N.S.W.* 30 : 202–10.
- 1898 Current papers No. 3. *J. roy. Soc. N.S.W.* 32 : 230–40.
- 1899 Current papers No. 4. *J. roy. Soc. N.S.W.* 33 : 145–53.
- 1901a Current papers, No. 5. *J. roy. Soc. N.S.W.* 35 : 30–40.
- 1901b Current papers, No. 6. *J. roy. Soc. N.S.W.* 35 : 336–46.
- 1902 Current papers No. 7. *J. roy. Soc. N.S.W.* 36 : 201–10.
- SAITO, K.
- See MORITA, T., SAITO, K., and GERKA, T.
- SCHARFF, M.
- See HUTCHINS, L. W. and SCHARFF, M.
- SUDO, H.
- 1960 On the distribution of divergence and convergence of surface drift vectors in the western Pacific Oceans. *Rec. oceanogr. Wks. Jap. ns.* 5 (2) : 25–43.
- SUGIURA, J.
- See TAMURA, T. and SUGIURA, J.
- TAKAHASHI, T.
- 1959 Hydrographical researches in the western equatorial Pacific. *Mem. Fac. Fish. Kagoshima Univ.* 7 : 141–7.
- 1960 Existence of a *Contra Solem* vortical motion in the Coral Sea. *Rec. oceanogr. Wks. Jap. ns.* 5 (2) : 52–4.
- TAMURA, T. and SUGIURA, J.
- 1950 A report on oceanographical observations of the surface sea waters extending between Japan and Antarctic whaling grounds. *Bull. Fac. Fish. Hokkaido Univ.* 1 (1) : 12–17.
- THOMSEN, H.
- 1937 Hydrographical observations made during the *Dana* expedition 1928–1930. *Dana rep.* 12 : 14–18.
- VOLKOV, I. I.
- See OSTROUMOV, E. A. and VOLKOV, I. I.
- WYRTKI, K.
- 1960a Circulation of surface water in the Coral and Tasman Seas. *Fish. News Lett. Aust.* 19 (2) : 17–23.
- 1960b The surface circulation in the Coral and Tasman Seas. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Tech. Pap.* 8.

NEKTON

ANON.

- 1960 Decline in the (whaling) catch from Australia. *Norsk. Hvalfangsttid.* 49 : 162-5.

CHITTLEBOROUGH, R. G.

- 1957 An analysis of recent catches of humpback whales from the stocks in groups IV and V. Prepared for the International Commission on Whaling. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Rep.* 4.
- 1958 Australian catches of humpback whales 1957. Prepared for the International Commission on Whaling. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Rep.* 17.
- 1959a Australian humpback whales 1958. Pt. 1. Analysis of catches. Pt. 2. Whale marking and recoveries. Prepared for the International Commission on Whaling. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Rep.* 23.
- 1959b Australian marking of humpback whales. *Norsk. Hvalfangsttid.* 48 : 47-55.
- 1960a Australian catches of humpback Whales 1959. Prepared for the International Commission on Whaling. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Rep.* 29.
- 1960b Marked humpback whale of known age. *Nature, Lond.* 187 : 164.

DAWBIN, W. H.

- 1956 The migrations of humpback whales which pass the New Zealand coast. *Trans. roy. soc. N.Z.* 84 : 147-96.
- 1959 New Zealand and South Pacific whale marking and recoveries to the end of 1958. *Norsk. Hvalfangsttid.* 48 : 213-38.
- 1960 An analysis of the New Zealand catches of humpback whales from 1947-1958. *Norsk. Hvalfangsttid.* 49 : 61-75.

DESROSIERES, R.

See LEGAND, M. and DESROSIERES, R.

LEGAND, M.

- 1960a Longueur, repartition des sexes et maturation sexuelle des thons a nageoires jaunes de Nouvelle-Calédonie. *In* Premières données sur le thon a nageoires jaunes de Nouvelle-Calédonie. *O.R.S.T.O.M., I.F.O., Rapp. Sci.* 11 : 6-20.
- 1960b Données biométriques sur les thons a nageoires jaunes en Nouvelle-Calédonie. *In* Premières données sur le thon a nageoires jaunes en Nouvelle-Calédonie. *O.R.S.T.O.M., I.F.O., Rapp. Sci.* 11 : 32-54.

LEGAND, M. AND DESROSIERES, R.

- 1960 Enquête préliminaire sur les contenus stomacaux des thons a nageoires jaunes des côtes de Nouvelle-Calédonie. *In* Premières données sur le thon a nageoires jaunes en Nouvelle-Calédonie. *O.R.S.T.O.M., I.F.O., Rapp. Sci.* 11 : 21-31.

OLSEN, A. M.

- 1954 The biology, migration and growth rate of the school shark, *Galeorhinus australis* (MacLeay) (Carcharhanidae) in south-eastern Australian waters. *Aust. J. Mar. Freshw. Res.* 5 : 353-410.
- 1959 The status of the school shark fishery in south-eastern Australian waters. *Aust. J. Mar. Freshw. Res.* 10 : 150-176.

ROBINS, J. P.

- 1952 Further observations on the distribution of striped tuna, *Katsuwonus pelamis* L., in eastern Australian waters, and its relation to surface temperature. *Aust. J. Mar. Freshw. Res.* 3 : 101-10.

SERVENTY, D. L.

- 1941 The Australian tunas. *Pamphl. Coun. sci. industr. Res. Aust.* 104, 48 p.
- 1956 The southern bluefin tuna. *Thunnus thynnus maccoyii* (Castelnau), in Australian waters. *Aust. J. Mar. Freshw. Res.* 7 : 1-43.

PHYTOPLANKTON

- CASSIE, V.
See WOOD, E. J. F., CROSBY, L. H., and CASSIE, V.
- CROSBY, L. H. AND WOOD, E. J. F.
1958 Studies on Australian and New Zealand diatoms. 1. Planktonic and allied species. *Trans. roy. Soc. N.Z.* 85 : 483-530.
1959 Studies on Australian and New Zealand diatoms. II. Normally epontic and benthic genera. *Trans. roy. Soc. N.Z.* 86 : 1-58.
- DESROSIERES, R.
1960 Phytoplankton qualitatif. In *Orsom III. Résultats de la croisière Choiseul. 2ème partie. Chimie, productivité, phytoplankton qualitatif. O.R.S.T.O.M., I.F.O., Rapp. Sci.* 16 : 88-91.
- JESPERSEN, P.
1935 Quantitative investigations on the distribution of macroplankton in different oceanic regions. 2. Pacific Ocean and Tasmanian Sea. *Dana. rep.* 7 : 10-20. 39-44.
- WOOD, E. J. F.
1954 Dinoflagellates in the Australian region. *Aust. J. Mar. Freshw. Res.* 5 : 171-351.
- WOOD, E. J. F., CROSBY, L. H., AND CASSIE, V.
1959 Studies on Australian and New Zealand diatoms. III. Descriptions of further discoid species. *Trans. roy. Soc. N.Z.* 87 : 211-9.
- WOOD, E. J. F.
See also CROSBY, L. H. and WOOD, E. J. F.

PRIMARY PRODUCTION

- ANGOT, M.
1959a Productivité. In *Orsom III. Résultats de la croisière Astrolabe. 2ème partie. Chimie, productivité et zooplancton. O.R.S.T.O.M., I.F.O., Rapp. Sci.* 9 : 63-80.
1959b Production primaire. In *Orsom III. Résultats de la croisière Boussole. 2ème partie. Chimie, productivité et zooplancton. O.R.S.T.O.M., I.F.O., Rapp. Sci.* 13 : 60-70.
1959c Preliminary results obtained by the French institute of Oceania on the primary production of the southwestern Pacific. *International Oceanographic Congress. New York, 1959. Preprints* : 829.
1960 Production primaire. In *Orsom III. Résultats de la croisière Choiseul. 2ème partie. Chimie, productivité, phytoplankton qualitatif. O.R.S.T.O.M., I.F.O., Rapp. Sci.* 16 : 49-87.
- ANGOT, M., DOTY, M. S., AND OGURI, M.
1958 Mesures de la productivité primaire en eau de mer par la technique du ^{14}C . *O.R.S.T.O.M., I.F.O., Rapp. Sci.* 4.
- DOTY, M. S.
See ANGOT, M., DOTY, M. S., and OGURI, M.
- HUMPHREY, G. F.
1959 Primary production pigments in Australian waters. *International Oceanographic Congress. New York, 1959. Preprints* : 840-1.
1960 The concentration of plankton pigments in Australian waters. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Tech. Pap.* 9.
- JITTS, H. R.
1957a The ^{14}C method for measuring CO_2 uptake in marine productivity studies. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Rep.* 8.
1957b Études de productivité. In *Orsom III. Océanographie physique. Rapport technique de l'expédition EQUAPAC (Croisière 56-4). O.R.S.T.O.M., I.F.O., Rapp. Sci.* 3 : 45-32.
1959 Résultats "production primaire" de la croisière 56-5. In *Orsom III. Résultats de la croisière Boussole 2ème partie.*

Chimie, productivité et zooplancton
O.R.S.T.O.M., I.F.O., Rapp. Sci.
13 : 82-3.

JITTS, H. R. AND ROTSCHI, H.

1958 Mesure par la méthode au C¹⁴ de l'activité photo-synthétique de quelques masses d'eau du Pacifique Sud-Ouest en relation avec l'étude de la fertilité de ces memes eaux. *U.N.E.S.C.O. International Conference on Radio-isotopes in Scientific Research. Paris. 1957.* (London. Pergamon press. 4 : 607-27.)

OGURI, M.

See ANGOT, M., DOTY, M. S., and OGURI, M.

ROTSCHI, H.

1959a Specific alkalinity in the Coral Sea. *International Oceanographic Congress. New York, 1959. Preprints* : 822-3.

1959b Oxygen, inorganic phosphate and carbon dioxide relationships in the Coral Sea. *International Oceanographic Congress. New York, 1959. Preprints* : 899-900.

1960 Chimie. In *Orsom III. Résultats de la croisière Choiseul. 2ème partie. Chimie, productivité, phytoplancton qualitatif. O.R.S.T.O.M., I.F.O., Rapp. Sci.* 16 : 3-48.

ROTSCHI, H.

See also JITTS, H. R. and ROTSCHI, H.

ZOOPLANKTON AND MOLLUSCA

ALLAN, J.

See IREDALE, T. and ALLAN, J.

BARY, B. M.

1959 Species of zooplankton as a means of identifying different surface waters and demonstrating their movements and mixing. *Pacif. Sci.* 13 : 14-54.

1960a Ecology and distribution of some pelagic Hyperiidea (Crustacea, Amphipoda) from New Zealand waters. *Pacif. Sci.* 13 : 317-34.

1960b Notes on ecology, distribution, and systematics of pelagic tunicata from New Zealand. *Pacif. Sci.* 14 : 101-21.

BLACKBURN, M.

1955 Trachymedusae and narcomedusae of south-east Australian waters. *Aust. J. Mar. Freshw. Res.* 6 : 410-28.

BRADSHAW, J. S.

1959 Ecology of living planktonic foraminifera in the north and equatorial Pacific Ocean. *Contr. Cushman Fdn.* 10 : 25-64.

BRIGGS, E. A.

1914 Hydrozoa from one hundred fathoms, seven miles east of Cape Pillar, Tasmania. *Rec. Aust. Mus.* 10 : 285-302.

COLEFAX, A. N.

See DAKIN, W. J. and COLEFAX, A. N.

DAKIN, W. J. AND COLEFAX, A. N.

1933 The marine plankton of the coastal waters of New South Wales. 1. The chief planktonic forms and their seasonal distribution. *Proc. Linn. Soc. N.S.W.* 58 : 186-222.

1940 The plankton of the Australian coastal waters off N.S.W. Pt. 1. *Monogr. Dep. Zool. Univ. Sydney.* 1.

DELL, R. K.

1952 A deep water molluscan fauna from the Tasman Sea. *Dom. Mus. Rec. Zool., Wellington.* 1 : 99-107.

DESROSIERES, R.

See LEGAND, M. and DESROSIERES, R.

DIETZ, R. S.

1948 Deep scattering layer in the Pacific and Antarctic Oceans. *J. Mar. Res.* 7 : 430-42.

HASWELL, W. A.

1907 The Colonial Radiolaria of the Tasman Sea. In *The results of deep-sea investigation in the Tasman Sea. 1. The expedition of HMCS Miner, 2. Rec. Aust. Mus.* 6 : 273-82.

HEDLEY, C.

1907a Mollusca from eighty fathoms off Narrabbeen. In *The results of deep-sea investigation in the Tasman Sea, 3. Rec. Aust. Mus.* 6 : 283-304.

- 1907b Mollusca from eight hundred fathoms, thirty-five miles east of Sydney. In The results of deep-sea investigation in the Tasman Sea. II. The expedition of the *Woy Woy*, 2. *Rec. Aust. Mus.* 6 : 356-64.
- HEDLEY, C. AND MAY, W. L.
1908 Mollusca from one hundred fathoms, seven miles east of Cape Pillar, Tasmania. *Rec. Aust. Mus.* 7 : 108-25.
- HEDLEY, C. AND PETTERD, W. F.
1906 Mollusca from three hundred fathoms, off Sydney. *Rec. Aust. Mus.* 6 : 211-25.
- REDALE, T.
1940 Marine molluscs from Lord Howe Island, Norfolk Island, Australia and New Caledonia. *Aust. Zool.* 9 : 429-43.
- REDALE, T. AND ALLAN, J.
1940 A review of the relationship of the mollusca of Lord Howe Island. *Aust. Zool.* 9 : 444-51.
- KOTT, P.
1951 Zooplankton of east Australian waters 1945-1954. *C.S.I.R.O. Aust. Div. Fish. Oceanogr. Rep.* 14.
- LEGAND, M.
1957a Orsom III. Résultats biologiques de l'expédition EQUAPAC (croisières groupées 56-4 et 56-5). *O.R.S.T.O.M., I.F.O., Rapp. Sci.* 1. (Not sighted.)
1957b Variations quantitatives de zooplancton récolté par *L'Orsom III* pendant la croisière EQUAPAC. *O.R.S.T.O.M., I.F.O., Rapp. Sci.* 2. (Not sighted.)
1958 Étude sommaire des variations quantitatives diurnes du zooplancton autour de la Nouvelle Calédonie. *O.R.S.T.O.M., I.F.O., Rapp. Sci.* 6.
1959a Zooplankton et larves de poisson. In *Orsom III*. Résultats de la croisière *Astrolabe* 2ème partie. Chimie, productivité et zooplancton. *O.R.S.T.O.M., I.F.O., Rapp. Sci.* 9 : 81-97.
1959b Nouvelle contribution à l'étude des variations quantitatives diurnes du zooplancton dans la région nord-est de la Mer de Corail. In Zooplancton quantitatif du nord-est de la Mer de Corail. *O.R.S.T.O.M., I.F.O., Rapp. Sci.* 10 : 1-19.
- 1959c Zooplankton et larves de poissons. In *Orsom III*. Résultats de la croisière *Boussole* 2ème partie. Chimie, productivité et zooplancton. *O.R.S.T.O.M., I.F.O., Rapp. Sci.* 13 : 71-81.
1959d Observations on the vertical diurnal displacement of zooplankton in the northeast Coral Sea. *International Oceanographic Congress. New York, 1959. Preprints* : 315-6.
- LEGAND, M. AND DESROSIERES, R.
1959 La repartition du zooplancton des croisières *Astrolabe* et *Boussole* - ses relations avec divers éléments biologiques et océanographiques. In Zooplancton quantitatif du nord-est de la Mer de Corail, 1958. *O.R.S.T.O.M., I.F.O., Rapp. Sci.* 10 : 20-66.
- MCCULLOCH, A. R.
1907 Fishes and crustaceans from eight hundred fathoms. In The results of deep sea investigation in the Tasman Sea. II. The expedition of the *Woy Woy*, 1. *Rec. Aust. Mus.* 6 : 345-55.
- MAPLESTONE, C. M.
1909 The polyzoa. In The results of deep-sea investigations in the Tasman Sea. 1. The expedition of HMCS *Miner*, 5. *Rec. Aust. Mus.* 7 : 267-73.
1911 Polyzoa supplement. In The results of deep-sea investigations in the Tasman Sea. 1. The expedition of HMCS *Miner*, 5. *Rec. Aust. Mus.* 8 : 118-9.
- MAY, W. L.
See HEDLEY, C. and MAY, W. L.
- PETTERD, W. F.
See HEDLEY, C. and PETTERD, W. F.
- RIDDLE, A. R.
1920 An adventitious occurrence of *Nautilus pompilius*, Linn., with a short bibliography on ocean currents affecting the Australian coast. *Trans. roy. Soc. S. Aust.* 44 : 257-62.
- SMITH, E. A.
1895 On some new species of shells from New Zealand and Australia and remarks upon some Atlantic forms occurring in deep water off Sydney. Review by H. Crosse. *J. Conchylol.* 43 : 256-8.

- THOMPSON, H.
1942 Pelagic tunicates in the plankton of south-eastern Australian waters, and their place in oceanographic studies. *Bull. Coun. sci. industr. Res. Aust.* 153. 56 p.
1948 Pelagic tunicates of Australia. *Handbook Coun. sci. industr. Res. Aust.* 196 p.
- THOMSON, J. M.
1947 The chaetognatha of south-eastern Australia. *Bull. Coun. sci. industr. Res. Aust.* 222. 43 p.
- WHITLEY, G. P.
1932 Marine zoogeographical regions of Australasia. *Aust. Nat.* 8 : 166-7.
- YALDWYN, J. C.
1957 A review of deep-water biological investigation in the New Zealand area. *N.Z. Sci. Rev.* 15 : 41-5.

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MEMOIRS OF THE NEW ZEALAND OCEANOGRAPHIC INSTITUTE

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[1]	1955	Bibliography of New Zealand Oceanography, 1949-1953. By N.Z. OCEANOGRAPHIC COMMITTEE.	<i>N.Z. Dep. sci. industr. Res. geophys. Mem. 4.</i>
[2]	1957	General Account of the Chatham Islands 1954 Expedition. By G. A. KNOX.	<i>N.Z. Dep. sci. industr. Res. Bull. 122.</i>
3	1959	Contributions to Marine Microbiology. Compiled by T. M. SKERMAN.	<i>N.Z. Dep. sci. industr. Res. Inf. Ser. 22.</i>
4	1960	Biological Results of the Chatham Islands 1954 Expedition. Part 1. Decapoda, Brachyura, by R. K. DELL; Cumacea, by N. S. JONES; Decapoda Natantia, by J. C. YALDWYN.	<i>N.Z. Dep. sci. industr. Res. Bull. 139 (1).</i>
5	1960	Biological Results of the Chatham Islands 1954 Expedition. Part 2. Archibenthal and Littoral Echinoderms. By H. BARRACLOUGH FELL.	<i>N.Z. Dep. sci. industr. Res. Bull. 139 (2).</i>
6	1960	Biological Results of the Chatham Islands 1954 Expedition. Part 3. Polychaeta Errantia. By G. A. KNOX.	<i>N.Z. Dep. sci. industr. Res. Bull. 139 (3).</i>
7	1960	Biological Results of the Chatham Islands 1954 Expedition. Part 4. Marine Mollusca, by R. K. DELL; Sipunculoidea, by S. J. EDWARDS.	<i>N.Z. Dep. sci. industr. Res. Bull. 139 (4).</i>
4-7	1960.....		(NOTE: Bulletin 139, Parts 1, 2, 3, and 4. also published in one volume: <i>N.Z. Dep. sci. industr. Res. Bull. 139 (1-4).</i>)
8	1961	Hydrology of New Zealand Coastal Waters, 1955. By D. M. GARNER.	<i>N.Z. Dep. sci. industr. Res. Bull. 138.</i>
9	1962	Analysis of Hydrological Observations in the New Zealand Region 1874-1955. By D. M. GARNER.	<i>N.Z. Dep. sci. industr. Res. Bull. 144.</i>
10	1961	Hydrology of Circumpolar Waters South of New Zealand. By R. W. BURLING.	<i>N.Z. Dep. sci. industr. Res. Bull. 143.</i>
11	In press	Bathymetry of the New Zealand Region. By J. W. BRODIE.	<i>N.Z. Dep. sci. industr. Res. Bull.</i>
12	In press	Hydrology of New Zealand Offshore Waters. By D. M. GARNER and N. M. RIDGWAY.	<i>N.Z. Dep. sci. industr. Res. Bull.</i>
13	1961	Biological Results of the Chatham Islands 1954 Expedition. Part 5. Porifera: Demospongiae, by PATRICIA R. BERGQUIST; Porifera: Keratosa, by PATRICIA R. BERGQUIST; Crustacea Isopoda: Bopyridae, by R. B. PIKE; Crustacea Isopoda: Serolidae, by D. E. HURLEY; Hydroida, by PATRICIA M. RALPH.	<i>N.Z. Dep. sci. industr. Res. Bull. 139 (5).</i>
14	1963	Submarine Morphology East of the North Island, New Zealand. By H. M. PANTIN.	<i>N.Z. Dep. sci. industr. Res. Bull. 149.</i>
15	In preparation	Marine Geology of Cook Strait. By J. W. BRODIE.	<i>N.Z. Dep. sci. industr. Res. Bull.</i>
16	1963	Bibliography of New Zealand Marine Zoology 1769-1899. By DOROTHY FREED.	<i>N.Z. Dep. sci. industr. Res. Bull. 148.</i>
17	In press	Studies of a Southern Fiord. By T. M. SKERMAN (Ed.)	<i>N.Z. Dep. sci. industr. Res. Bull.</i>

MEMOIRS OF THE NEW ZEALAND OCEANOGRAPHIC INSTITUTE—*continued*

<i>Memoir No.</i>	<i>Date</i>	<i>Title</i>	<i>Citation</i>
18	1961	The Fauna of the Ross Sea. Part 1. Ophiuroidea. By H. BARRACLOUGH FELL.	<i>N.Z. Dep. sci. industr. Res. Bull. 142.</i>
19	1962	The Fauna of the Ross Sea. Part 2. Scleractinian Corals. By DONALD F. SQUIRES.	<i>N.Z. Dep. Sci. industr. Res. Bull. 147.</i>
20	1963	<i>Flabellum rubrum</i> (Quoy and Gaimard). By DONALD F. SQUIRES.	<i>N.Z. Dep. sci. industr. Res. Bull. 154.</i>
21	In press	The Fauna of the Ross Sea. Part 3. Asteroidea. By HELEN E. SHEARBURN CLARK.	<i>N.Z. Dep. sci. industr. Res. Bull. 151.</i>
22	In press	The Marine Fauna of New Zealand: Crustacea Brachyura. By E. W. BENNETT.	<i>N.Z. Dep. sci. industr. Res. Bull. 153.</i>
23	In press	The Marine Fauna of New Zealand: Crustaceans of the Order Cumacea. By N. S. JONES.	<i>N.Z. Dep. sci. industr. Res. Bull. 152.</i>
24	In press	Bibliography of the Oceanography of the Tasman and Coral Seas, 1860–1960. By BETTY N. KREBS.	<i>N.Z. Dep. sci. industr. Res. Bull. 156.</i>