BIBLIOGRAPHY ON THE WORLD'S SUBSEA MINERAL RESOURCES
AND RELATED GEOLOGICAL AND GEOPHYSICAL STUDIES
(1960 - 1972)

By

Frank F. H. Wang and Paula Quinterno

OPEN-FILE REPORT
83-153

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.
PREFACE

This bibliography was presented at the Circum-Pacific Energy and Mineral Resources Conference in Honolulu, Hawaii (August 26-30, 1974). Our intent was to publish it through the United Nations Committee for Coordination of Joint Prospecting for Mineral Resources in Asian Offshore Areas (CCOP). Unfortunately, funding was not available, so it was not published.

Although it is not up-to-date, we feel that it is useful as a starting point for research in a variety of topics related to marine resources in many geographic areas.

January, 1983
# TABLE OF CONTENTS

**Page**

**FOREWORD.**

**EXPLANATION OF SYMBOLS IN THE TEXT.**

**I. STUDIES OF BROAD SCOPE, INTRODUCTORY NATURE OR COMPREHENSIVE REVIEW**

A. **GENERAL MARINE GEOLOGIC WORKS.**

B. **PAST AND PRESENT PROGRAMS AND ACTIVITIES OF NATIONS AND INSTITUTIONS**

   B.1 Mixed Geography
   B.2 Canada
   B.3 United States (excluding Alaska)
   B.4 Mexico
   B.5 South and Central America
   B.6 Western Europe
   B.7 Iceland
   B.8 USSR
   B.9 Africa
   B.10 Middle East
   B.11 Far East
   B.12 Oceania (Australia and Southwest Pacific Islands)
   B.13 Antarctica

C. **SPECIFIC TECHNICAL SUBJECTS**

C.1 **GEOLOGICAL AND GEOPHYSICAL STUDIES PERTINENT TO GEOLOGICAL HISTORY AND FRAMEWORK**

   C.1.1 General
   C.1.2 Pre-Quaternary Geology
   C.1.3 Quaternary Geology and Surficial Sediments
   C.1.4 Seismic or Multi-sensor Surveys
   C.1.5 Gravity and Magnetic Surveys

C.2 **MINERAL RESOURCES**

   C.2.1 General
   C.2.2 Petroleum
   C.2.3 Sulfur, Potash, Halite and other Soluble Salts
   C.2.4 Placers
   C.2.5 Phosphorites
   C.2.6 Solid Mineral Deposits within Sedimentary or Crystalline Bedrock
   C.2.7 Metalliferous Sediments and Hot Metalliferous Brines

C.3 **TOPICAL RESEARCH**

   C.3.1 General
   C.3.2 Submarine Topography/Geomorphology
   C.3.3 Sub-oceanic Stratigraphy and Paleontology
   C.3.4 Geochronology
   C.3.5 Petrology, Igneous Geochemistry and Metallogenesis
   C.3.6 Sedimentary Processes, Sedimentary Geochemistry and studies of Certain Sedimentary Regimes
   C.3.7 Crust-Mantle Processes
   C.3.8 Seismicity
   C.3.9 Heat Flow and Paleo-heat Flow

C.3.10 Magnetism and Paleomagnetism

**II. CONTINENTAL MARGINS**

A. **INNER SHELF AND COASTAL ZONE STUDIES**

   A.1 GEOLOGICAL AND GEOPHYSICAL STUDIES PERTINENT TO GEOLOGICAL HISTORY AND FRAMEWORK

      General
      Pre-Quaternary Geology
      Quaternary Geology and Surficial Sediments
      Seismic or Multi-sensor Surveys
      Gravity and Magnetic Surveys

   A.2 **MINERAL RESOURCES**

      General
      Sulfur, Potash, Halite and Other Soluble Salts
      Fresh Water Aquifers, Geothermal Energy, Brines
      Placers
      Construction Aggregates
      Phosphorite (phosphatic sand and mud) Ferromanganese Nodules
      Solid Mineral Deposits within Sedimentary or Crystalline Bedrock

   A.3 **TOPICAL RESEARCH**

      General
      Submarine Topography/Geomorphology
      Sub-oceanic Stratigraphy and Paleontology
      Geochronology
      Petrology, Igneous Geochemistry and Metallogenesis
      Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes
      Crust-Mantle Processes
      Seismicity
      Isostasy
      Heat Flow and Paleo-heat Flow

B. **CONTINENTAL SHELF, SLOPE AND RISE STUDIES**

   B.1 GEOLOGICAL AND GEOPHYSICAL STUDIES PERTINENT TO GEOLOGICAL HISTORY AND FRAMEWORK

      General
      Pre-Quaternary Geology
      Quaternary Geology and Surficial Sediments
      Seismic or Multi-sensor Surveys
      Gravity and Magnetic Surveys

   B.2 **MINERAL RESOURCES**

      General
      Petroleum
      Sulfur, Potash, Halite and other Soluble Salts
      Geothermal Energy
      Phosphorite
      Glaucolite
      Barite Nodules
      Ferromanganese Nodules and Pellets
      Solid Mineral Deposits within Sedimentary or Crystalline Bedrock

† References in the text are arranged by geographic area under the following subject categories.
III. OCEANIC REGIONS

A. GREAT OCEAN BASINS

†A.1 GEOLOGICAL AND GEOPHYSICAL STUDIES PERTINENT TO GEOLOGICAL HISTORY AND FRAMEWORK 183
General
Pre-Quaternary Geology
Quaternary Geology
Seismic or Multi-sensor Surveys
Gravity and Magnetic Surveys

†A.2 MINERAL RESOURCES 200
General
Petroleum Geology Research
Phosphorite
Ferromanganese Nodules and Crusts
Glaucnites
Solid Mineral Deposits within Sedimentary or Crystalline Bedrock
Metalliferous Sediments and Hot Metalliferous Brines

†A.3 TOPICAL RESEARCH 209
General
Submarine Topography/Geomorphology
Sub-oceanic Stratigraphy and Paleoontology
Geochronology
Petrology, Igneous Geochemistry and Metallogenesis
Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes
Submarine Canyons
Crust-Mantle Processes
Seismicity
Isostasy
Heat Flow and Paleo-heat Flow
Magnetism and Paleomagnetism

B. MID-OCEANIC RIDGES, RIFTS AND FRACTURE ZONES

†B.1 Mixed Geography 237
†B.2 Atlantic Ocean (includes Caribbean) 239
†B.3 Middle East and African Rifts 245
†B.4 Indian Ocean 247
†B.5 Pacific Ocean 248
†B.6 Arctic Ocean 252
†B.7 Southern Oceans 252

C. SMALL OCEAN BASINS

†C.1 GEOLOGICAL AND GEOPHYSICAL STUDIES PERTINENT TO GEOLOGICAL HISTORY AND FRAMEWORK 253
General
Pre-Quaternary Geology
Quaternary Geology and Surficial Sediments
Seismic or Multi-sensor Surveys
Gravity and Magnetic Surveys

†C.2 MINERAL RESOURCES 271
General
Petroleum
Sulfur, Potash, Halite and other Soluble Salts
Ferromanganese Nodules and Pellets
Metalliferous Sediments and Hot Metalliferous Brines

†C.3 TOPICAL RESEARCH 275
General
Submarine Topography/Geomorphology
Sub-oceanic Stratigraphy and Paleoontology
Geochronology
Petrology, Igneous Geochemistry and Metallogenesis
Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes
Crust-Mantle Processes
Seismicity
Isostasy
Heat Flow and Paleo-heat Flow
Magnetism and Paleomagnetism

D. ISLAND ARCS, TRENCHES AND BENIOFF ZONES

D.1 Mixed Geography 293
D.2 Atlantic Ocean (includes the Caribbean Region and the Scotia Arc) 294
D.3 Indian Ocean and Indonesian Archipelago 296
D.4 Pacific Ocean (Mixed Geography) 297
Western Pacific Ocean 297
Eastern Pacific Ocean 303

E. SEAMOUNTS AND OCEANIC ISLANDS (including their shelves and slopes)

E.1 Mixed Geography 307
E.2 Atlantic Ocean 307
E.3 Caribbean Sea 309
E.4 Indian Ocean 309
E.5 Pacific Ocean (Mixed Geography) 310
Western Pacific Ocean 310
Eastern Pacific Ocean 312
E.6 Southern Oceans 314

IV. APPENDICES

a. REGIONAL LAND GEOLOGY AND RESOURCES

†a.1 GEOLOGICAL AND GEOPHYSICAL STUDIES PERTINENT TO GEOLOGICAL HISTORY AND FRAMEWORK 316
General
Pre-Quaternary Geology
Quaternary Geology

† References in the text are arranged by geographic area under the following subject categories.
ta.1 GEOLOGICAL AND GEOPHYSICAL STUDIES
PERTINENT TO GEOLOGICAL HISTORY
AND FRAMEWORK - Continued
Seismic or Multi-sensor Surveys
Gravity and Magnetic Surveys

ta.2 MINERAL RESOURCES .................. 330
General
Petroleum
Sulfur, Potash, Halite and other
Soluble Salts
Geothermal Energy
Placers
Phosphorite
Solid Mineral Deposits Within
Sedimentary or Crystalline
Bedrock

ta.3 TOPICAL RESEARCH ................. 347
General
Topography/Geomorphology
Stratigraphy and Paleontology
Geochronology
Petroleum, Igneous Geochemistry
and Metallogenesis
Sedimentary Processes, Sedimentary
Geochemistry and Studies of
Certain Sedimentary Regimes
Crust-Mantle Processes
Seismicity
Isostasy
Heat Flow and Paleo-heat Flow
Magnetism and Paleomagnetism

b. PREVIOUS BIBLIOGRAPHIES
Geological and Geophysical
Studies Pertinent to Geo-
logical History and Framework . 357
Mineral Resources ............ 357
Topical Research ............ 358

c. JURISDICTIONAL ASPECTS OF CONTI-
MENTSAL MARGIN MINERAL RESOURCES
(including governmental policies
and leasing practices)
Mixed Geography ............ 360
Canada .................. 363
United States .................. 363
Europe .................. 366
USSR .................. 367
Africa .................. 367
Middle East .................. 367
Far East .................. 367
Oceania .................. 367

† References in the text are arranged by geographic
area under the following subject categories

Explanations of Symbols in the Text

($) Unpublished reports or reports of limited
circulation.

(*) Items listing large amounts of uninterpreted
dgeophysical records or raw geological data.
I. STUDIES OF BROAD SCOPE, INTRODUCTORY NATURE OR COMPREHENSIVE REVIEW

A. GENERAL MARINE GEOLOGIC WORKS


A. GENERAL MARINE GEOLIGIC WORKS - Continued


Moscow Association of Researchers in the Natural Sciences, USSR and Academy of Sciences USSR, Earth Sciences Section, Moscow, sponsors, 1969, The history of the world's oceans: Oceanology, v. 9, no. 15, p. 725-743; Engl. transl. of Oceanologiya, v. 9, no. 5.


New York (state of) and New York State Science and Technology Foundation, sponsors, 1967, Selected papers from the Governor's Conference on oceanography, October 11 and 12, 1967; Rockefeller University, New York, N.Y. 187 p. (8)


U.S. Coast Guard, 1968, Oceanographic handbook; U.S. Coast Guard, 1 v., various pages (CG 401). (8)


B. PAST AND PRESENT PROGRAMS AND ACTIVITIES OF NATIONS AND INSTITUTIONS

B.1 Mixed Geography


Bureau de Recherches Geologiques et Minieres (BRGM), 1966, Recherches de BRGM sur le plateau continental: Bull. BRGM, no. 5.


Intergovernmental Oceanographic Commission (IOC), 1968, General scientific framework for world ocean study--scientific aspects of peaceful uses of the ocean floor: UNESCO publication prepared for IOC by the Special Committee for Oceanic Research (SCOR) and by the advisory Committee on Marine Resources Research (ACMRR); U.N. document A/AC.155/17, 71 p. (6)

1969, General scientific framework for world ocean study--Comprehensive outline of the scope of the long-term and expanded programs of oceanic exploration and research: UNESCO publication prepared for IOC by the Special Committee for Oceanic Research (SCOR) and by the advisory Committee on Marine Resources Research (ACMRR); U.N. document A/7750, 41 p. (6)


JOIDES, DESP Staff, 1969, JOIDES deep sea drilling project--general background, history, press releases: Scripps Inst. Oceanog. (6)


B.1 Mixed Geography - Continued


Ocean Research Index, 1970, Ocean research index; a guide to ocean and freshwater research including fisheries research; Guernsey, British Isles—France Hodgson Ltd., 507 p.


B.2 Canada


B.2 Canada - Continued


B.3 United States (excluding Alaska)


California University, 1972, Institute of Marine Resources, Annual Rept. for the two years ending 30 June 1972: Univ. Calif. IMR Ref. 71-11 and 72-20, 36 p. (f)


California University, Scripps Institution of Oceanography, 1972, Scripps Institution of Oceanography 1972 Annual Report for the year ending June 30, 1972: Scripps Inst. of Oceanography, La Jolla, Calif. 72 p.


Executive Office of the President, 1969, Guidelines for a federal ten year plan for ocean exploration (TYPOR), the federal effort in marine mapping, charting and geodesy: Prepared by the Interagency Committee on Ocean Exploration and Environmental Services, 153 p. (f)


Horn, D. A., 1971, Directory of MIT research projects related to marine resources, ocean utilization and coastal zone development: Massachusetts Institute of Technology, Sea Grant Project Office, Cambridge, Report no. 71-9, 46 p. (f)

Industrial Economics Research Division, 1969, Marine resources activities in Texas, prepared for the National Science Foundation's Sea Grant Program of Texas A&M University: Industrial Economics Research Division, Texas Engineering Experiment Station, Texas A&M University, College Station, Texas, 202 p. (f)

Institute of Naval Studies, 1968, The Navy's role in the exploitation of the ocean: Inst. Naval Studies, Study no. 19. (f)


B.3 United States (excluding Alaska) - Continued


Smith, W. F. G., chairman, 1969, Critique and study of the government of the state of Florida and its capability for meeting the ocean challenges for State of Florida Commission on Marine Sciences and Technology; prepared by E. W. Seabrook Bull, Chester, Maryland, 97 p.

Smithsonian Science Information Exchange, 1972 (continually updated), Geologic hazards; Natural disasters studies including warnings and avoidance especially earthquake planning, damage, and effects, flood effects, risks, and forecasting, and volcanic hazards: Data Package LQ04D; may be purchased from Smithsonian Science Information Exchange, Wash., D.C. (8)

Smithsonian Science Information Exchange, 1972 (continually updated), Marine mineral exploration and exploitation (metals non-metals and petroleum, including ocean law and other legal aspects): Data Package LM06D; may be purchased from Smithsonian Science Information Exchange, Wash., D.C. (8)

Smithsonian Science Information Exchange, 1972 (continually updated), Natural resources inventories (energy resources, coal, oil, natural gas, oil shales, radioactive minerals, metallic ores, non-metallic minerals, coastal zone resources, and marine resources): Data Package LM07D; may be purchased from Smithsonian Science Information Exchange, Wash., D.C. (8)

Smithsonian Science Information Exchange, 1972 (continually updated), Ocean mining and offshore oil (Resource potential, geological mapping, and drilling platforms): Data Package LM05D; may be purchased from Smithsonian Science Information Exchange, Wash., D.C. (8)

Smithsonian Science Information Exchange, 1972 (continually updated), Structural geologic studies (concept of continental drift, plate and/or block tectonics, and sea-floor spreading): Data Package LK01D; may be purchased from Smithsonian Science Information Exchange, Wash., D.C. (8)


1969, Marine resources development—a national opportunity: Office of the Secretary, U.S. Dept. of the Interior, 64 p. (8)


1968, Marine Science Affairs—a year of plans and progress, the second report of the President to the Congress on marine resources and engineering development: Washington, D.C., U.S. Government Printing Office, 228 p. (8)


B.3 United States (excluding Alaska) - Continued


B.3 United States (Alaska)


B.4 Mexico


B.5 South and Central America


B.6 Western Europe


B.6 Western Europe - Continued


France, National Center for Oceanic Exploitation, 1969, National Center for Oceanic Exploitation: Information Bull., no. 3.


--- 1964, Marine geology at Kiel University: Office Naval Research Tech. Rept. ONRL-12-64, p. 1-12. ()


B.7 Iceland


B.8 USSR


B.8 USSR - Continued


B.9 Africa


B.10 Middle East


B.11 Far East

Geological Survey of Korea, 1966, Offshore exploration project undertaken in Korea: Report of first session of CCOP (appendix 6), p. 82-84. ($)


B.11 Far East - Continued


B.12 Oceania (Australia and Southwest Pacific Islands)


B.13 Antarctica


Houtz, R. E., 1972, Eltanin geophysical programs, Cruises 48, 49, 50 and 52: Antarctic Jour., v. 7, no. 5, p. 204.

I. STUDIES OF BROAD SCOPE, INTRODUCTORY NATURE OR COMPREHENSIVE REVIEW

C. SPECIFIC TECHNICAL STUDIES

C.1 GEOLOGICAL AND GEOPHYSICAL STUDIES PERTINENT TO GEOLOGICAL HISTORY AND FRAMEWORK (all Mixed Geography)

C.1.1 General


Ewing, Maurice, 1963, Sediments of ocean basins, in Man. science, learning and education (Higginbotham), Mem. Marah Rice Univ., p. 41-59. (8)


____1971, Tectonic-geologic map of the oceans of the earth: Umschau, v. 71, no. 6, p. 190, 202-203, (in German).


____1969, The relief of the ocean bottoms and the role of tectonics in its formation [abs.]: Oceanology, v. 9, no. 15, p. 729-730.


C.1.2 Quaternary Geology


C.1.2 Pre-Quaternary Geology - Continued


C.1.3 Quaternary Geology and Surficial Sediments


C.1.4 Seismic or Multi-sensor Surveys


Moore, Neal, 1969, Around the world with 4 million seismic shots--pt. 1, how the globe-circling geophysical survey was made and some of the exciting observations: Ocean Industry, v. 4, no. 4, p. 47-50.


Teledyne Exploration Company, 1971, Library of worldwide marine geophysical data: May be purchased from Teledyne Exploration Co., Marine Sciences Division, Houston. (6)(4)
C.1.4 Seismic or Multi-sensor Surveys - Continued


C.1.5 Gravity and Magnetic Surveys


C.2 MINERAL RESOURCES (all Mixed Geography)

C.2.1 General


Bornhold, B. D., 1969, Marine mineral resources: M.C. Engineer, v. 26, no. 1, p. 25-34.


Brown, L. F., Jr., 1968, Fourth forum on geology of industrial minerals—Proc.: Austin, Bureau of Economic Geology, the University of Texas, 174 p.


C.2.1 General - Continued

Cruickshank, M. J., 1971, Mining undersea, in Encyclo-
pedia of Science and Technology; McGraw-Hill Book Co., Inc., p. 564-571.

Deacon, G. E. R., 1970, Exploiting the oceans: 

Dean, G. W., 1969, A prismatic look at the oceans' 
2, v. 31, no. 6, p. 731-736.

Dowani, G. A., 1971, Exploiting the resources of the 
seabed: Science, Technology and American Diplomacy; 
(Report, U.S. House of Representatives, Committee 
on Foreign Affairs, Subcommittee on National Security 
Policy and Scientific Development), Washington, D.C., 

Duntley, S. Q., Stevenson, R. E., and Boileau, A. R., 
1971, Exploration of marine resources by photographic 
remote sensing, in Earth Resources Systems Survey, 
v. 2, p. 531-538.

Egor'eva, A. V., and Utkin, I. A., 1960, Problems in 
investigation of mineral resources under the bottoms 
of seas and oceans: Naukoveda i Okhrana Hebr, USSR, 
v. 26, no. 11, p. 6-10.

Emery, K. O., 1970, Mineral deposits on the ocean floor, 
in Man and the sea; classic accounts of marine 

Executive Office of the President, 1969, Offshore 
mineral resources—a challenge and an opportunity; 
second report on the President's panel on oil spills: 
Executive Office of the President, Office of 
Science and Technology, 12 p. (8)

Fedynskiy, V. V., 1969, Mineral resources of sea and 
bottoms and the geophysics of sea exploration: 
Sov. Geol., no. 5, p. 3-14 (in Russian).

Firth, F. E., ed., 1969, The encyclopedia of marine 
resources: Van Nostrand Reinhold Company, New York, 
748 p.

Flem, F. F., 1971, Mineral resources: geology, 
economics, political, law: Chichester, 

Frey, R. R., ed., 1972, Resources of the world's oceans 
(a symposium at New York Univ., University Heights 
Campus, Nov. 20, 1971, sponsored by New York 
Institute of Ocean Resources, Inc., ANCA Foundation, 
Mayor's Oceanographic Advisory Committee): New 
York, New York Inst. of Ocean Resources, 282 p. (8)

Fye, P. M., Mannell, A. E., Emery, K. O., and others, 
1968, Ocean science and marine resources, in Gullion, 
p. 17-68.

Gaber, M. H., Reynolds, D. F., Jr., 1965, Economic 
opportunities in the oceans: Battelle Tech. Rev., 
v. 14, no. 12, p. 5-11.

Garcia, Anador y Rodriguez, F. V., 1963, The 
exploitation and conservation of the resources of the 

Gaskell, T. F., 1965, Minerals under the sea: New 

Gatse, Wolfgang, 1970, Marine sources of mineral raw 
materials: Gluckauf, v. 106, no. 11, p. 554-560 
in German.

Gansley, Raymond, 1967, The mineral resources of the 
oceans: Cahiers Oceanogr., v. 19, no. 10, 
p. 833-845 (in German).

Gotlib, A. H., 1969, Recent developments concerning 
the exploration and exploitation of the ocean floor: 

Graham, D. M., 1966, Resources of the sea, An Industrial 

Healy, Kathleen, 1968, Offshore mining and ocean min-
eral recovery: Undersea Technology, Sept. 1968, 
p. 59-63.

Hess, H. R., 1965, Undersea Mining—exploiting 
hydrospase—pt. 4, The ocean, mining's newest 
frontier: Eng. and Mining Jour., v. 166, no. 8, 
p. 79-96.

Hetzer, Hans, 1971, The mineral resources of the sea: 
problems of their study and aspects of their 
importance in satisfying the demand for mineral 
raw materials: Zeitschr. Agnew. Geologic, v. 17, 
no. 1-2, p. 1-6 (in German with Engl. summ.).

Hibbard, W. R., Jr., 1968, Mineral resources: 

Hilgard, W. R., Jr., 1968, Undersea mining: Oceanology Internat., 
1968, p. 46.

Howard, F. F., and others, 1971, Special mining and 
exploration issues: Soc. Mining Engineers AIME Trans., 
v. 250, no. 4, p. 369-374.

International Institute for Peace and Conflict 
Research (SIPRI), 1968, Towards a better use of the 
seas—a study and prognosis (proceedings of a 
symposium): Stockholm, Sweden, SIPRI. (8)

from the sea: Internat. Sci. and Technology, 
no. 18, p. 39-45, 111.

Ito, F., 1971, Exploitation of marine mineral 
resources and its problems: Mining and Metall. 
Assoc. Trans., v. 17, no. 5, p. 175.

Keuffman, Alvin, 1971, The oceans—futura source of 
minerals, in Council of Economics, Proc., v. 6— 
Am. Inst. Mining, Metall. and Petroleum Engineers, 
p. 67-73.

Kniffer, Elisabeth, ed., 1968, Mineral resources of 
the world ocean—Symposium, Newport, R.I., 1968, Proc., 
Rhode Island Univ. Graduate School Oceanography 

Konecni, E. B., ed., 1967, Marine sciences and 
industrial potentials, proceedings of symposium, 
Houston, Texas, June 14, 1967: Austin, Bureau of 
Business Research, The University of Texas, 263 p.

LaPrairie, Yves, 1972, Oceans to exploit: Sci. Progr. 
Decouverte, no. 3449, p. 4-10 (in French with Engl. 
summ.).

Laffitte, Pierre and Rouveyrol, P., 1964, Mining map 
of the world on tectonic background; Pt. 2: Annales 
Mines, no. 12, p. 795-821; also in Chronique Mines, 
v. 32, no. 334, p. 299-300; scale 1:20,000,000.
C.2.1 General - Continued

Laffitte, P., and Rouveyrol, P., 1965, Mining map of the globe over a tectonic base; pt. II: Annales Mines, no. 10, p. 735-767; scale 1:120,000,000.


1962, Potentialsities of deep-sea mining: Mining Jour., v. 258, no. 6615.


1964, Mineral wealth from the ocean deeps: Discovery, v. 25, no. 7, p. 18-23.


1966, Review of mineral values on and under the ocean floor: Trans. 2nd Annual MTS Conf., p. 61-78.


1962, Potentialsities of deep-sea mining: Mining Jour., v. 258, no. 6615.


1964, Mineral wealth from the ocean deeps: Discovery, v. 25, no. 7, p. 18-23.


1966, Review of mineral values on and under the ocean floor: Trans. 2nd Annual MTS Conf., p. 61-78.


1971, Proceedings of the Second Underwater Mining Institute, April, 1970: Madison, Wisconsin, Madison, Wisconsin, Univ. of Wisconsin Sea Grant Office. (8)

1971, Proceedings of the Second Underwater Mining Institute, April, 1970: Madison, Wisconsin, Univ. of Wisconsin Sea Grant Office. (8)


C.2.1 General - Continued


Wilson, T. A., 1965, Offshore mining paves the way to ocean mineral wealth: Eng. and Mining Jour., v. 166, no. 6, p. 124-132.


Zeitschrift fur Angewandte Geologie, 1971, The mineral resources of the sea; problems of their investigation and aspects of their importance to satisfy the demand for mineral raw materials: Zeitschr. Angew. Geologie, v. 17, no. 1-2, p. 1

C.2.2 Petroleum


Dunlop, J. B., 1971, Paleocology defines zones which may bear gas and oil: World Oil, v. 172, no. 4, p. 56-58.

C.2.2 Petroleum - Continued


Halbouty, M. T., 1972, Oil is found in the minds of men: Gulf Coast Assoc. Geol. Soc. Trans., v. 22, p. 33-37.


Hedberg, H. D., 1967, Why explore the deep offshore?: Exploration and Economics of the Petroleum Industry, v. 5, p. 61-84. (f)


Hill, E. B., and Cooparoon, F. E., 1966, Oil, a backward glance, a current appraisal, a 10 year look ahead: Oil and Gas Jour., Oct. 17, p. 72-81.


Johnson, T. C., 1971, Natural oil seeps in or near the marine environment: National Technical Information Service, AD 723 310, 35 p. (g)


1971, To find a giant field, find the right basin: Oil and Gas Jour., v. 69, no. 10, p. 132-136.


McDowell, A. H., 1971, Practical application of continental-drift concepts may find giant fields: Oil and Gas Jour., v. 69, no. 26, p. 114-116.

C.2.2 Petroleum - Continued


C.2.3 Sulfur, Potash, Halite and other Soluble Salts


C.2.3 Sulfur, Potash, Halite and other Soluble Salts - Continued


C.2.4 Placers


C.2.5 Phosphorites


C.2.6 Solid Mineral Deposits within Sedimentary or Crystalline Bedrock


Sillitoe, J. R., 1972, A plate tectonic model for the origin of porphyry copper deposits: Econ. Geol., v. 67, p. 184-197.


C.2.7 Metalliferous Sediments and Hot Metalliferous Brines


C.3 TOPICAL RESEARCH (all Mixed Geography)

C.3.1 General


Biswas, Buddhadeb, 1969, Rising continents deepening ocean basins and their changing configuration: Calcutta, privately printed, 50 p. (B)


Ma, Tung-ying H., 1960, Climate and the relative positions of continents during the upper Carboniferous as deduced from the growth values of reef corals: Research on Past Climate and Continental Drift, v. 16, 21 p.


C.3.2 Submarine topography/Geomorphology


C.3.2 Submarine Topography/Geomorphology - Continued


Ulrich, Johannes, 1963, Der Formenschatz des Meeresbodens; neue Forschungsergebnisse über das submarine Bodenrelief: Geol. Rundschau Jg. 15, no. 4, p. 136-148 (with English summ.).

C.3.3 Sub-oceanic Stratigraphy and Paleontology


1971, Oceanic micropaleontology: Eos, v. 52, no. 6, p. 249-256.


C.3.3 Sub-oceanic Stratigraphy and Paleontology - Continued


C.3.4 Geochronology


1963, "Absolute dating of deep-sea cores by the $\text{Pa}^{231}/\text{Th}^{230}$ method" and accumulation rates (discussion): Jour. Geology, v. 71, no. 6, p. 609-610.


C.3.5 Petrology, Igneous Geochemistry and Metallogenesis


Christiansen, H. I., 1972, The abundance of serpentinites in the oceanic crust: Jour. Geology, v. 80, no. 6, p. 709-719.


C.3.6 Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


C.3.6 Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes - Continued


C.3.7 Crust-Mantle Processes - Continued


C.3.7 Crust-Mantle Processes - Continued


Flinn, B., 1971, On the fit of Greenland and North-Nest Europe before continental drifting: Proceedings of the Geologists’ Assoc., v. 82, no. 4, p. 469.


Gaskell, T. F., 1967, Continental drift in eastern Asia and Alaska [abs.]: Tectonophys. ics, v. 4, nos. 4-6, p. 569.


Goodwin, A. M., 1972, Plate tectonics and the evolution of the Precambrian crust, in NATO Advanced Study Inst. (continental drift, sea floor spreading and plate tectonics; book of abstracts) : Newcastle upon Tyne, School of Physics, The University. (8)


C.3.7 Crust-Mantle Processes - Continued


Khan, V. Ye., 1969, The place of the ocean forming processes in the tectonic evolution of the earth's crust [abs.]: Oceanology, v. 9, no. 15, p. 726-729; English transl. of Okeanologiya, v. 9, no. 9.

Khartoryn, N. I., 1964, Questions dealing with concepts of the transition zone of the upper mantle to the earth's crust, as indicated by some experimental data: Tectonophysics, v. 1, no. 2, p. 175-176.


Le Pichon, Xavier, 1968, Sea-floor spreading and continental drift: Jour. Geophysics Research, v. 73, no. 12, p. 3661-3697; correction to this paper appears in Jour. Geophysics Research, v. 73, no. 12, p. 3661-3697.

C.3.7 Crust-Mantle Processes - Continued


Nur, M. V., 1969, On the geological structure of the ocean basins and their origin [abs.]: Oceanology, v. 9, no. 15, p. 727-728; English transl. of Okeanologiia, v. 9, no. 5.


C.3.7 Crust-Mantle Processes - Continued


Zhivago, A. V., 1967, Crustal structure and the tectonics and geophysics of the sea floor at the Second International Oceanographic Congress: Oceanology, v. 6, no. 6, p. 796-802; English transl. of Okeanologiya, v. 6, no. 6, p. 988-997.

C.3.8 Seismicity


C.3.10 Magnetism and Paleomagnetism (see also Crust-)


C.3.9 Heat Flow and Paleo-heat Flow


C.3.10 Magnetism and Paleomagnetism (see also Crust-)


Foster, J. H., and Opdyke, N. D., 1969, Upper Miocene to Recent magnetic stratigraphy observed in deep sea sediments [abs.]: EOS (Am. Geophys. Union Trans.), v. 50, no. 6, p. 129.


C.3.10 Magnetism and Paleomagnetism (see also Crust-Mantle Processes) - Continued


___1962, A recomparision of palaeomagnetic latitudes and palaeogeographical latitudes and palaeographical latitudes deduced from growth values of reef corals: Geol. Soc. China Mem., no. 1, p. 75-93.


II. CONTINENTAL MARGINS

A. INNER SHELF AND COASTAL BONE STUDIES

A.1 GEOLOGICAL AND GEOPHYSICAL STUDIES PERTINENT TO GEOLOGICAL HISTORY AND FRAMEWORK

A.1.1 Mixed Geography: General


A.1.1 Mixed Geography: Pre-Quaternary Geology


A.1.1 Mixed Geography: Quaternary Geology


Mörner, N.-A., 1971, The position of the ocean level during the interstadial at about 30,000 B.P. - a discussion from a climatic-geologic point of view: Canadian Jour. Earth Sci., v. 8, p. 132-143.


A.1.2 Canada: Pre-Quaternary Geology


Thorsteinsson, R., 1971, Greely Fiord West (geology), District of Franklin: Canada Geol. Survey Map No. 131A, (lat. 80°-81°, long. 80°-88°, scale 1:250,000.


A.1.2 Canada: Quaternary Geology


A.1.3 Greenland: General

A.1.3 Greenland: General - Continued


A.1.4 United States (Alaska): General


Church, R. E., chairman, 1967, High-resolution seismic survey of the Copper River delta and vicinity: San Diego, Univ. Calif., Ph.D. Dissertation. (8)

Church, R. E., chairman, 1970, Sheet 1 - South-to-north stratigraphic correlation section, Campbell Point to Rosetta, Cook Inlet Basin, Alaska; Sheet 2 - West-to-east stratigraphic correlation section, Beluga River to Wasilla, Cook Inlet Basin, Alaska: Anchorage, Alaska Geol. Soc., 2 sheets (vertical scale 1 inch to 500 ft.).

Church, R. E., chairman, 1970, Sheet 1 - West-to-east stratigraphic correlation section, Tazlina unit to Moose Creek, Copper River Basin, Alaska; Sheet 2 - Southwest-to-northeast stratigraphic correlation section, Eureka to Rainbow, Copper River Basin, Alaska: Anchorage, Alaska Geol. Soc., 2 sheets (vertical scale 1 inch to 400 ft.).


A.1.4 United States (Alaska): Quaternary Geology


Reimnitz, Erk, 1966, Late Quaternary history and sedimentation of the Copper River delta and vicinity: San Diego, Univ. Calif., Ph.D. Dissertation. (8)


A.1.4 United States (Alaska): Seismic or Multi-sensor Surveys


A.1.4 United States (Alaska): Gravity and Magnetic Surveys


A.1.4 United States (West): General


Crosson, R. S., 1971, Local earthquakes, structure and tectonics of the Puget Sound region (abs.): EOS, v. 52, no. 11, p. 862.


1966, Marine geology of Tomales Bay, central California: Pacific Marine Station Research rept. 6, 169 p. (#)


Schoellhamer, J. E., and Yerkes, R. F., 1961, Preliminary geologic map of the coastal part of the Malibu Beach quadrangle, Los Angeles County, California: U.S. Geol. Survey Open-file map. (#)

Schoellhamer, J. E., and Yerkes, R. F., and Campbell, R. H., 1962, Preliminary geologic map of the coastal part of the Point Dune Quadrangle, Los Angeles, County, California: U.S. Geol. Survey Open-file Rept. (#)


A.1.4 United States (West): Pre-Quaternary Geology


A.1.4 United States (West): Quaternary Geology


Birkeland, P. W., 1972, Late Quaternary eustatic sea-level changes along the Malibu Coast, Los Angeles County, California: Jour. Geology, v. 80, no. 4, p. 432-448.


Mersereau, W. B., 1962, Late Pleistocene shorelines of southern California: Univ. Southern Calif., M.S. thesis. (#)
A.1.4 United States (West): Quaternary Geology - Continued


A.1.4 United States (West): Seismic or Multi-sensor Surveys


A.1.4 United States (West): Gravity and Magnetic Surveys


A.1.4 United States (Gulf of Mexico): Quaternary Geology


Quaternary Geology and


A.1.4 United States (East): Quaternary Geology and Sediments - Continued


A.1.4 United States (East): Seismic or Multi-sensor Surveys


A.1.5 Mexico: Pre-Quaternary Geology


A.1.5 Mexico: Quaternary Geology and Surficial Sediments


Orne, A. R., 1972, Quaternary deformation of western Baja California, Mexico, as indicated by marine terraces and associated deposits: Internat. Geol. Cong., 24th, Sec. 3, Proc., p. 627-634.

A.1.6 South and Central America: General


Sheppard, F. P., 1967, Delta-front diapirs off Magdalena River, Colombia compared with hills of other large deltas: Gulf Coast Assoc. Geol. Soc. Trans., v. 17, p. 316-325.

A.1.6 South and Central America: Pre-Quaternary Geology


A.1.6 South and Central America: Quaternary Geology


A.1.7 Western Europe: Pre-Quaternary Geology


A.1.7 Western Europe: Pre-Quaternary Geology


A.1.7 Western Europe: Quaternary Geology - Continued


Lona, F., Ricciardi, E., and Bertoldi, R., 1971, Preliminary research on a Quaternary stratigraphic sequence of the Gargano shore region (Italy) [abs.], in Les niveaux marins quaternaires, part 2, Pleistocène: Quaternaria, no. 15, p. 175.

Longinelli, Antonio, Cortecci, Gianni, and Fornaco-Rinaldi, Giuseppina, 1972, Evidence of Wurm beach sequence off the Tuscany littoral area: Soc. Geol. Italiana Boll., v. 91, no. 1, p. 3-10 (in Italian with English summary).


A.1.7 Western Europe: Seismic or Multi-Sensor Surveys


A.1.8 USSR: General


A.1.8 USSR (including Eastern Europe): Pre-Quaternary Geology


A.1.8 USSR: Quaternary Geology


A.1.8 USSR: Quaternary Geology - Continued


A.1.9 Africa: General


A.1.9 Africa; Pre-Quaternary Geology - Continued


Peter, George, and DeHald, O. E., 1969, Geophysical reconnaissance in the Gulf of Tadjura: Geol. Soc. Amer. Bull., v. 80, no. 11, p. 2313-2316.


A.1.9 Africa; Quaternary Geology


A.1.9 Africa; Gravity and Magnetic Surveys


A.1.10 Middle East; General


A.1.10 Middle East; Quaternary Geology


A.1.11 Far East; General


A.1.11 Far East: Pre-Quaternary Geology


A.1.11 Far East: Seismic or Multi-sensor Surveys


A.1.11 Far East: Gravity and Magnetic Surveys


A.1.12 Oceania (Australia and SM Pacific Islands):


A.1.12 Oceania (Australia and SM Pacific Islands):


A.1.12 Oceania (Australia and SM Pacific Islands):


A.2.1 Mixed Geography; Sulfur


A.1.13 Antarctica: Pre-Quaternary Geology


A.1.13 Antarctica: General


A.2 MINERAL RESOURCES

A.2.1 Mixed Geography; Placers


A.2.1 Mixed Geography; General


A.2.1 Mixed Geography: Placers - Continued


A.2.1 Mixed Geography: Construction Aggregates


A.2.1 Mixed Geography: Phosphorite (Phosphatic sand and mud)


A.2.1 Mixed Geography: Solid Mineral Deposits within Sedimentary or Crystalline Bedrock


A.2.2 Canada: General


A.2.2 Canada: Potash, Halite and other Soluble Salts


A.2.2 Canada: Placers


A.2.2 Canada: Construction Aggregates


A.2.2 Canada: Solid Mineral Deposits within Sedimentary or Crystalline Bedrock


A.2.3 Greenland: Placers


1972, Short note on the ilmenite sands from the Thule district, North Greenland: Internat. GGU Rept. (8)

A.2.4 United States (mixed geography): General


A.2.4 United States (Alaska): General


A.2.4 United States (Alaska): Placers


A.2.4 United States (Alaska): Placers - Continued

Boggs, Sam, Jr., and Baldwin, E. M., 1969, A joint study of source rocks, supplying mechanisms, and concentration processes for heavy metals and black sands of the continental margin of southern Oregon and northern California: Oregon Univ. Contract Report, 33 p. (8)


Boggs, Sam, Jr., 1969, Distribution of heavy minerals in the Sixes River, Curry County, Oregon: Ore Bin, v. 31, p. 133-150.


A.2.4 United States (West): Placer - Continued


A.2.4 United States (West): Construction Aggregates


A.2.4 United States (Gulf of Mexico): General


A.2.4 United States (Gulf of Mexico): Sulfur, Potash, Halite and other Soluble Salts


A.2.4 United States (Gulf of Mexico): Placers


Harding, J. L., 1960, Heavy mineral occurrences on islands of the Mississippi Sound and adjacent areas of the mainland (abs.) Geol. Soc. America, Southeastern Sec., Program Mtgs., p. 9-10.

Holmes, C. W., 1969, In the Gulf of Mexico geochronal exploration produces exciting results: Ocean Industry, v. 4, no. 6, p. 49-52.

A.2.4 United States (Gulf of Mexico): Construction Aggregates


A.2.4 United States (Gulf of Mexico): Solid Mineral Deposits within Sedimentary Bedrock


1967, Salt-water encroachment in coastal South Carolina: Geol. Notes, v. 11, no. 2.

A.2.4 United States (East): Placers


Kaldor, M., and Cazeau, C. J., 1971, Heavy minerals of Wando Bar and Sandy Island (Pleistocene), Georgetown County, South Carolina: Geol. Notes, v. 15, no. 2

50
A.2.4 United States (East): Placers - Continued


A.2.4 United States (East): Construction Aggregates


Schlee, John, 1964, New Jersey offshore gravel deposits: Pit and Quarry, v. 57, p. 80, 81, 95.


A.2.4 United States (East): Phosphorite (phosphatic sand and mud)


A.2.4 United States (East): Solid Mineral Deposits within Sedimentary or Crystalline Bedrock


A.2.5 Mexico: Phosphorite (phosphatic sand and mud)


1967, Origin of marine phosphorites off Baja California, Mexico: Marine Geology, v. 5, no. 1, p. 15-44.

1968, Phosphate diagenesis of carbonate sediments as a mode of in situ formation of marine phosphorites--observations in a core from the eastern Pacific: Canadian Jour. Earth Sci., v. 5, no. 1, p. 81-87.

A.2.6 South and Central America: Placers


A.2.7 Western Europe: General


Medford, R. D., 1969, Marine mining in Britain: Mining Jour., v. 121, no. 5, p. 369-381; no. 6, p. 647-680.

A.2.7 Western Europe: Potash


A.2.7 Western Europe: Fresh Water Aquifers


A.2.7 Western Europe: Placers


A.2.7 Western Europe: Construction Aggregates


A.2.7 Western Europe: Ferromanganese Nodules


A.2.8 USSR (including Eastern Europe): Placers


Glows, F. Z., 1972, Occurrence, dressing and possible use of the heavy minerals from the marine sands at the Polish Baltic seashore: Akad. Gorn.-Nadz. (Krakow), Zesz. Nauk., no. 318 (Gorn. no. 35), p. 41-55 (in Polish with English summ.).


Glowcz, F. Z., 1972, Occurrence, dressing and possible use of the heavy minerals from the marine sands at the Polish Baltic seashore: Akad. Gorn.-Nadz. (Krakow), Zesz. Nauk., no. 318 (Gorn. no. 35), p. 41-55 (in Polish with English summ.).


A.2.10 Middle East: Potash, Halites and other Soluble Salts


A.2.11 Far East: General


A.2.11 Far East: Placers


A.2.11 Far East: Placers - Continued


Overstreet, W. C., 1972, Ilmenite beach placer, Pulmodai, Ceylon, and ilmenite resources of the Pleistocene and Holocene formations of Ceylon: U.S. Geol. Survey open-file report, 70 p. (§)


A.2.11 Far East: Placers - Continued


--- 1967, Recent exploration of heavy sands along the northern coast and on bars off the southwestern coast of Taiwan: Submitted by Republic of China delegation, United Nations ECAFE CCOP., 3rd Session, Seoul, June 24-July 4, 1967, 7 p.


Western Miner, 1969, Ceylon beach sand mining grows; rutile and zircon soon for export: Western Miner, June 25, 1969.


A.2.11 Far East: Construction Aggregates and Precious Coral


A.2.11 Far East: Phosphorite (phosphatic sand and mud)


A.2.11 Far East: Solid Mineral Deposits within Sedimentary or Crystalline Bedrock


A.2.11 Far East: Solid Mineral Deposits within Sedimentary or Crystalline Bedrock - Continued

Connah, T. H., 1961, Beach sand heavy mineral deposits in Japan: Presented at 1st U.S.-Japan Joint Panel Meeting on Mining Engineering, Tokyo, 11 p. (H)


A.2.12 Oceania (Australia and SW Pacific Islands): Geothermal Energy


1961, Distribution of economic minerals off the eastern seaboard of Australia: Mining Mag., v. 115, no. 5, p. 351-355.


A.3 TOPICAL RESEARCH

A.3.1 Mixed Geography: General


King, Cam, 1972, Beaches and coasts: London, E. Arnold, 570 p. (2d ed.)


A.3.1 Mixed Geography: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


Gagliano, S. M., and Colman, J., 1968, Deltaic sedimentation in scattered areas: Louisiana State Univ., Coast Studies Inst., unpub. (#)


King, Cam, 1972, Beaches and coasts: London, E. Arnold, 570 p. (2d ed.)


A.3.1 Mixed Geography: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


Gagliano, S. M., and Colman, J., 1968, Deltaic sedimentation in scattered areas: Louisiana State Univ., Coast Studies Inst., unpub. (#)


King, Cam, 1972, Beaches and coasts: London, E. Arnold, 570 p. (2d ed.)


A.3.1 Mixed Geography: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes - Continued


A.3.2 Canada: General

Mackay, J. R., 1972, Offshore permafrost and ground ice, Southern Beaufort Sea, Canada: Canadian Jour. Earth Sci., v. 9, no. 11, p. 1550-1561.

A.3.2 Canada: Sub-Oceanic Stratigraphy and Paleontology


A.3.2 Canada: Sedimentary Processes, Sedimentary Geochemistry, and Studies of Certain Sedimentary Regimes


Northcote, K. E., 1961, Distribution of sulphur, iron, copper, and zinc in modern marine sediments of Mud Bay, Crescent Beach, British Columbia: Univ. British Columbia M.A. thesis. (§)

A.3.3 Greenland: General


A.3.4 United States (mixed geography): General


A.3.4 United States (Alaska): General


Hanaoka, Ko, Suzuki, Takashi, and Aoki, Hitoshi, 1969, Gravels from the sea around the Aleutian islands; no. 3, Pribilof islands (abs.): Geol. Soc. Japan Jour., v. 75, no. 2, p. 87.


Reimnitz, E., and Barnes, Peter, 1972, Sea ice as a geological agent affecting the margin of the Arctic Ocean, Alaska (abs.): EOS, v. 53, no. 11, p. 1008.


A.3.4 United States (Alaska): Crust-Mantle Processes


A.3.4 United States (West): General


A.3.4 United States (West): Geochronology


A.3.4 United States (West): Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


A.3.4 United States (Gulf of Mexico): General


A.3.4 United States (Gulf of Mexico): Sub-Oceanic Stratigraphy and Paleontology


A.3.4 United States (Gulf of Mexico): Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


Kwon, H. J., 1970, Barrier islands of the northern Gulf of Mexico Coast—sediment source and development: Louisiana State Univ. Coastal Studies Ser., no. 25, 58 p. (*)


A.3.4 United States (Gulf of Mexico): Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes - Continued


Trabant, Peter, Bryant, W. R., and Bousa, Arnold R., 1972, High resolution subbottom profiles and sediment characteristics of the Mississippi Delta [abs.]: Gulf Coast Assoc. Geol. Soc. Trans., v. 22, p. 156.

A.3.4 United States (East): General


A.3.4 United States (East): Submarine Topography/ Geomorphology


A.3.4 United States (East): Sub-Oceanic Stratigraphy and Paleontology


A.3.4 United States (East): Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes

Charlesworth, L. J., 1968, Bay, inlet and nearshore marine sedimentation; Beach Haven-Little Egg inlet region, New Jersey [abs.]: Dissert. Abs., v. 29, no 3, p. 1063B.
A.3.5 Mexico: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes - Continued


A.3.6 South and Central America: General


A.3.6 South and Central America: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


A.3.11 Far East; Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes - Continued


A.3.11 Far East; General


Rao, M. S., 1962, Manganese in the shelf sediments of the east coast of India: Indian Acad. Sci. Proc., v. 56, no. 5 (English summ.).


A.3.12 Oceania (Australia and SW Pacific Islands); Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


A.3.13 Antarctica: Submarine Topography/Geomorphology


A.3.13 Antarctica: Petrology, Igneous Geochemistry, and Metallogenesis

II. CONTINENTAL MARGINS

B. CONTINENTAL SHELF, SLOPE AND RISE STUDIES

B.1 GEOLOGICAL AND GEOPHYSICAL STUDIES PERTINENT TO GEOLOGICAL HISTORY AND FRAMEWORK

B.1.1 Mixed Geography: General


Hilsemann, Jobst, 1957, The continental shelf; the geologic boundary between land and sea: Umzuchau, v. 67, no. 4, p. 105-111 (in German).


B.1.1 Mixed Geography: Pre-Quaternary Geology


B.1.1 Mixed Geography: Seismic or Multi-sensor
Surveys - Continued


Geophysical Service Inc., 1972, Catalog of non-exclusive seismic data and geologic maps for areas of petroleum interest [Non-exclusive records and interpreted results of marine seismic surveys in Chukchi Sea and off the coasts of Texas, Louisiana, Mississippi, Alabama, Massachusetts, California, Eastern Canada, United Kingdom, and Argentina; and geological maps for continental shelf areas of Eastern Canada and Arctic Canada]: May be purchased from Geophysical Service Inc., 13500 N. Central Expresway, Dallas, Tex. 75222. (I) (*)

GTS Corporation, 1971, Location maps of foreign offshore seismic survey records in the data banks of GTS Corporation: Records may be purchased from GTS Corporation, 744 St. Charles Ave., New Orleans, La. 70130. (I) (*)


Petty Geophysical Company, 1972 (periodically updated), Catalog of marine proprietary data [Non-exclusive marine geophysical records (seismic, gravity, or magnetic) and interpreted results of surveys off the coast of Alaska, California, Texas, Louisiana, Panama, U.K., Norway, Spain, Sicily, Libya, Spanish Sahara, Guinea, Sierra Leone, Liberia, Ivory Coast, Republic of Vietnam, Philippines and in the South China Sea]: May be purchased from Petty-Ray Geophysical, Inc., 6909 Southwest Freeway, Houston, Tex. 77036. (I) (*)


Seiscom-Delta Exploration Company, Inc., 1972, Brochure on worldwide geophysical coverage [Non-exclusive marine seismic records and interpreted results of surveys off the coasts of U.S. (Alaska, Mississippi, Alabama, and Florida), off the east coast of Canada, and off U.K. (norway, Svalbard (spitzbergen), Portugal, Spain and Sardina Island in the Mediterranean): May be purchased from Seiscom-Delta Exploration Co., P.O. Box 36789, Houston, Tex. 77036. (I) (*)


United Geophysical Corporation, 1971, Catalog of library of marine geophysical data [Records, interpreted results and reports of seismic surveys conducted off Thailand, India, the Philippines, Papua-New Guines, Nicobar and Andaman Islands, Ryukyn Islands, and in the East China Sea, South China Sea, Indian Ocean, Tasman Sea, Coral Sea, Caribbean Sea, Atlantic Ocean and other oceanic areas]: May be purchased from United Geophysical Corp., 2650 East Foothill Blvd., Pasadena, Calif. 91109. (I) (*)


Western Geophysical Company, 1972 (periodically updated), Brochure on worldwide non-exclusive seismic data [Non-exclusive seismic records and interpreted results of surveys off the coasts of Texas, Louisiana, California, Alaska, British Columbia (Canada), Norway, U.K. (including portions of the North Sea, Irish Sea, Celtic Sea, and Norwegian Sea), Greenland, South Vietnam (South China Sea), and southwest Pacific Islands (off Solomon, New Harbrides, and New Ireland)]: May be purchased from Western Geophysical Co., 8100 Westpark Dr., P.O. Box 2469, Houston, Tex. 77001. (I) (*)


B.1.2 Canada: General


Grant, A. C., 1970, Geological and geophysical results bearing upon the structural history of the Flemish Cap region [abs.]: Maritime Sediments, v. 6, no. 3, p. 141-142.


B.1.2 Canada: General - Continued


Park, I. G., 1971, Marine geophysical and geological observations in Davis Strait: Dalhousie Univ., M.S. thesis. (8)


B.1.2 Canada: Pre-Quaternary Geology

Austin, G. H., 1971, Regional geology, eastern Canada offshore: Calgary, Alberta, Austin Exploration Ltd. (8)


Berry, M. J., and Barr, K. G., 1971, A seismic refraction profile across the polar continental shelf of the Queen Elizabeth Islands: Canadian Jour. Earth Sci., v. 8, no. 3, p. 347-360.


Canada: Pre-Quaternary Geology - Continued


1967, Hudson Bay crustal seismic experiment; time and distance data: Canadian Jour. Earth Sci., v. 4, no. 5, p. 879-889.

1967, Hudson Bay undergoes study: Oil and Gas Jour., v. 65, no. 51, p. 118-126.


1967, Geophysical surveys of the continental shelf south of Nova Scotia: Maritime Sediments, v. 3, no. 1, p. 6-11; with title, Geologists probe Scotian shelf: Oilweek, v. 18, no. 20, p. 31-34.


B.1.2 Canada: Pre-Quaternary Geology - Continued

Watts, A. B., 1972, Geophysical investigations east of the Magdalen Islands, southern Gulf of St. Lawrence: Canadian Jour. Earth Sci., v. 9, no. 11, p. 1504-1528.


Hebb, G. H., 1970, Salt structures east of nova Scotia

King, L. H., MacLean, Brian, and Drapeau, Georges, 1971, Mesosoic and Cenozoic history of the Grand Banks of Newfoundland; discussion: Canadian Jour. Earth Sci., v. 8, no. 12, p. 1606-1607.

B.1.2 Canada: Quaternary Geology and Surficial Sediments


Jezek, P. A., 1972, Physiography of the North Labrador Sea, Davis Strait and southern Baffin Bay: Maritime Sediments, v. 8, no. 1, p. 20-34.


Musgrave, A. H., ed., Seismic refraction prospecting: The Canadian Arctic archipelago and the Beaufort Sea and gravity and aeromagnetic surveys in the Canadian Arctic archipelago: May be purchased from the Kenquest Exploration Services Ltd., 524 11th Ave. S.W., Calgary, Alberta, Canada. (b) (*)


B.1.2 Canada: Gravity and Magnetic Surveys


Kenting Exploration Service Ltd., 1972, Polarquest/ Baffinquest 1972 brochure on marine geophysical and related data [records and interpreted results of reflection seismic surveys conducted in the Canadian Arctic archipelago and the Beaufort Sea and gravity and aeromagnetic surveys in the Canadian Arctic archipelago]: May be purchased from the Kenquest Exploration Services Ltd., 524 11th Ave. S.W., Calgary, Alberta, Canada. (b) (*)


B.1.2 Canada: Gravity and Magnetic Surveys

B.1.2 Canada: Gravity and Magnetic Surveys - Continued


1969, Aeromagnetic maps, Scotian shelf - sheets 10K (5.10-15); 10L (2-16); 10M (1-16); 11N (3-6, 11-14): 11D (1-4, 6-9): 11F (1, 2, 7, 8): Canada Geol. Survey Geophys. Paper No. 4823-4884, scale 1:63,360. (*)


Canadian Hydrographic Service of the Department of Energy, Mines and Resources, 1971, Bathymetric charts of the Southeast Shoal (Haraden Square subsections 14038) and Tail of the Bank (Haraden Square subsections 15030) off Newfoundland (with overprinted gravity anomaly contours and magnetic anomaly contours), scale 1:250,000.

Goh, Rocque Tien-Lock, 1972, A marine magnetic survey in the Mackenzie Bay/Bearsfoot Sea area, Arctic Canada: Master's, British Columbia. (#) (*)

Goodacre, A. K., 1964, Preliminary results of underwater gravity surveys in the Gulf of St. Lawrence: Ottawa, Dominion Observatory Gravity Map Ser. 46.

Goodacre, A. K., Brule, B. G., and Cooper, R. V., 1969, Results of regional underwater gravity surveys in the Gulf of St. Lawrence, with map no. 86, Gulf of St. Lawrence: Ottawa, Dominion Observatory, map scale 1:1,000,000, 24 p.


B.1.3 Greenland: General


B.1.3 Greenland: Pre-Quaternary Geology


B.1.3 Greenland: Quaternary Geology


B.1.3 Greenland: Seismic or Multi-sensor Surveys


B.1.4 United States (Mixed Geography): General


B.1.4 United States (Mixed Geography): Pre-Quaternary Geology


B.1.4 United States (Mixed Geography): Quaternary Geology

B.1.4 United States (Mixed Geography): Seismic or Multi-sensor Surveys


Ray Geophysical Division, 1972, Brochure on library of marine geophysical data (non-exclusive records and interpreted results of seismic, gravity and magnetic surveys in Chukchi Sea, Bering Sea and Gulf of Alaska and seismic surveys off Florida, Texas and California): May be purchased from Ray Geophys. Div. of Mandrel Industries, Inc., 6909 Southwest Freeway, Houston, Tex. 77036. (8)

B.1.4 United States (Alaska): General


Grant, A. C., 1972, The continental margin off Labrador and eastern Newfoundland - morphology and geology: Canadian Jour. Earth Sci., v. 9, no. 11, p. 1394-1430.


Grant, A. C., 1972, The continental margin off Labrador and eastern Newfoundland - morphology and geology: Canadian Jour. Earth Sci., v. 9, no. 11, p. 1394-1430.


B.1.4 United States (Alaska): Pre-Quaternary Geology


United States (Alaska); Pre-Quaternary Geology - Continued


Wold, R. J., Woodzick, Thomas, and Ostensio, N. A., 1969, Gravity study in the Beaufort Sea (abs.): Geophysics, v. 34, no. 6, p. 1008.


United States (Alaska); Quaternary Geology and Surficial Sediments


1964, Notes on bottom sediments of the Chukchi Sea: U.S. Coast Guard Oceanog. Rept. 1, p. 23-24. (8)

United States (Alaska): Quaternary Geology and Surficial Sediments - Continued


United States (Alaska): Seismic or Multi-sensor Surveys


Geophysical Corporation of Alaska, 1972, Brochure on non-exclusive offshore seismic data [non-exclusive seismic records and interpreted results of surveys in Gulf of Alaska, Bering Sea and Beaufort Sea]: May be purchased from Geophysical Corp. of Alaska, P.O. Box 1105, Anchorage, Alaska 99510. (§)(§)


Naval Ordnance Test Station, 1965, Sparker profiles, Gulf of Alaska: China Lake, Calif., Naval Ordnance Test Station, 14 profiles. (§)(§)

Ray Geophysical Division of Mandrel Industries, Inc., 1971, Brochure on Ray Geophysical Alaskan shelf reconnaissance survey data [25,000 miles of comprehensive reconnaissance seismic, gravity and magnetic surveys in the Gulf of Alaska, Bering Sea and Chukchi Sea—proprietary geophysical data]: Data may be purchased from Ray Geophysical Div., 6909 Southwest Freeway, P.O. Box 36306, Houston, Tex. 77036. (§)(§)


B.1.4 United States (Alaska): Seismic or Multi-sensor Surveys - Continued


B.1.4 United States (Alaska): Gravity and Magnetic Surveys


B.1.4 United States (West): General


Hopkins, H. R., 1971, Interpretation of side-scan sonar records from Santa Ynez Unit, Santa Barbara Channel: Esso Production Research, 144 p. (#)


92

1969, Reflection profiling studies of the California continental shelf off the coast of Oregon: Marine Geology, v. 13, no. 4, p. 239-249.


1971, Structure and stratigraphy of Tertiary and Quaternary strata, Heceta Bank, central Oregon shelf: Oregon State University, M.S. thesis. (8)


1972, Late Cretaceous through Eocene paleocurrent directions, paleoenvironment and paleo-geography of San Miguel Island, California: Ohio, Master's.

1968, San Clemente Island rocksite project; part 1, detailed survey off El and Lost Points area: Naval Weapons Center, Tech. Pub. 4442, 79 p. (8)

1969, San Clemente Island rocksite project; offshore geology; part 2, Reconnaissance survey around the island: Naval Undersea Research and Development Center Tech. Pub. 156, 132 p. (8)


1971, Structure and stratigraphy of Tertiary and Quaternary strata, Heceta Bank, central Oregon shelf: Oregon State University, M.S. thesis. (8)


1972, Late Cretaceous through Eocene paleocurrent directions, paleoenvironment and paleo-geography of San Miguel Island, California: Ohio, Master's.

1968, San Clemente Island rocksite project; part 1, detailed survey off El and Lost Points area: Naval Weapons Center, Tech. Pub. 4442, 79 p. (8)

1969, San Clemente Island rocksite project; offshore geology; part 2, Reconnaissance survey around the island: Naval Undersea Research and Development Center Tech. Pub. 156, 132 p. (8)


United States (West): Pre-Quaternary Geology - Continued


B.1.4 United States (West) - Pre-Quaternary Geology - Continued


1971, Environmental impact statement (draft) in connection with installation of platforms "C" and "Henry" on federal oil and gas leases OCS-P 0241 and 0240 issued under the Outer Continental Shelf Lands Act, Santa Barbara Channel area off the coast of California: Washington, D.C., U.S. Geological Survey, 70 p. ($)


B.1.4 United States (West) - Quaternary Geology


Duncan, J. R., Jr., 1968, Late Pleistocene and post-glacial sedimentation and stratigraphy of deep-sea environments off Oregon [abs.]: Dissert. Abs., v. 29, no. 3, p. 1063B-1064B. ($)


Gatto, L. W., 1970, Sediment distribution on the shelf, slope, and in two submarine canyons of the Gaviota area, Santa Barbara County, California: Univ. Southern California, MS thesis, 184 p. ($)


Sprague, D. W., 1971, Geology and economic significance of Pleistocene channel and terrace deposits of the San Diego Mainland Shelf, California: Master's, Univ. Southern California.

B.1.4 United States (West): Seismic or Multi-sensor Surveys


University of Washington, 1967, THOMAS G. THOMPSON Cruise 13 and Cruise 24 sparker data: Univ. Washington (approx. 1000) 5x7 prints from microfilm of sparker sections on outer continental shelf off state of Washington. (#)(*)


B.1.4 United States (West): Gravity and Magnetic Surveys

Aldrich, J. K., 1969, Gravity survey of the Santa Barbara Channel Isla de la California: Univ. California, Santa Barbara, M.S. thesis. (#)


B.1.4 United States (Gulf of Mexico): General


Brooks, F. L., 1962, A study of the substratum of a portion of the continental shelf of the northeastern Gulf of Mexico: Mississippi State, M.S. thesis. (#)


Steinhoff, R. C., 1967, Professor views continental slope origin of Gulf Coast faulting: Oil and Gas Jour., v. 65, no. 21, p. 178-182.


B.1.4 United States (Gulf of Mexico): Pre-Quaternary Geology


---1969, Geophysical studies of the northern Florida platform, Gulf of Mexico [abs.]: Gulf Coast Assoc. Geol. Socs. Trans., v. 19, p. 263.
B.1.4 United States (Gulf of Mexico): Pre-Quaternary Geology - Continued


Pyle, T. E., 1972, Structure of the west Florida platform, Gulf of Mexico: College Station, Tex., Texas A&M Univ. Ph.D. Dissert., 169 p. (8)


B.1.4 United States (Gulf of Mexico): Quaternary Geology and Surficial Sediments


B.1.4 United States (Gulf of Mexico): Quaternary Geology - Continued


B.1.4 United States (Gulf of Mexico): Seismic or Multi-sensor Surveys

Gulf Coast Exploration Data Corporation, 1971, (periodically updated), Brochure and Gaim chart of non-exclusive geophysical data [non-exclusive records and interpreted results of seismic and gravity surveys off the Gulf coasts of U.S.]: May be purchased from Gulf Coast Explor. Data Corp., 1202 Americana Bldg., Houston, Tex. 77002. (#)


U.S. Geological Survey, 1967, Map showing locations of continuous seismic profiler (CSP) lines of the Gulf of Mexico, Dry Tortugas, Florida to Galveston, Texas (filed with the National Oceanographic Data Center): U.S. Geol. Survey Open-File Rept., scale 1:1,000,000. (#)

B.1.4 United States (Gulf of Mexico): Magnetic Surveys


B.1.4 United States (East): General


R.I.4 United States (East): General - Continued


B.I.4 United States (East): Pre-Quaternary Geology


United States (East): Pre-Quaternary Geology - Continued


Oil and Gas Journal, 1971, Atlantic-shelf survey results revealed: Oil and Gas Jour., v. 69, no. 18, p. 136.


B.I.4 United States (East): Pre-Quaternary Geology - Continued


B.I.4 United States (East): Quaternary Geology and Surficial Sediments


B.1.4 United States (East): Seismic or Multi-sensor Surveys


Bracey, D. R., 1963, Geologic interpretation of marine magnetic data in an area off the southern Bahama Islands: NAVOCEANO IMR No. M-7-63, 8 p. (§) (*)


B.1.4 United States (East): Gravity and Magnetic Surveys


Exploration Surveys, Inc., 1972, Brochure on non-exclusive offshore geophysical data (non-exclusive gravity and magnetic data and interpreted results of surveys off the Atlantic coast of U.S.): May be purchased from Exploration Surveys Inc., 6400 M. Central Expwyasay, Dallas, Tex. 75206. (8) (*)


Talwani, Manol, 1960, Gravity anomalies in the Bahamas and their interpretation: Columbus Univ., New York, Ph.D., 89 p. (8)


B.1.5 Mexico: General

Ayala-Castanaras, Agustin, 1963, Sintesis de los estudios de oceanografia y geologia submarina en que ha participado el Instituto de Geologia de la Universidad Nacional Autonoma de Mexico en los cinco ultimos anos: Asoc. Mexicana de Geologist Petroleros Bol., v. 15, nos. 9-10, p. 221-233.


B.1.5 Mexico: Pre-Quaternary Geology


Castillo, Luis del, and Pile Thomas, 1972, Structural pattern under the Gulf Coast of Mexico [abs.]: Internat. Geol. Cong. Abs., no. 24, p. 69.


Ewing, John, 1967, Diapirs in the southwestern Gulf of Mexico [abs.]: Gulf Coast Assoc. Geol. Soc., v. 17, p. 482.


B.I.5 Mexico: Pre-Quaternary Geology — Continued


B.I.5 Mexico: Quaternary Geology


B.I.5 Mexico: Seismic or Multi-sensor Surveys


Moore, G. W., Reimnitz, Erk, Krivoy, H. L., and others, 1971, USGS-IDOE Leg 1; Bahia de Campeche; Geotimes, v. 16, no. 11, p. 16-17.

Swolfs, H. S., 1967, Seismic refraction studies in the southwestern Gulf of Mexico: Texas A&M Univ., College Station, Tex., Masters thesis. (8)


B.I.5 Mexico: Magnetic Surveys


B.I.6 South and Central America: General


Canada-Guerrero, F., 1971, Contribution to the geological and mineralogical study of the submarine continental platform in the area of the Columbretes Islands: Boletin Geologico y Minero, v. 82, no. 2, p. 36.


South and Central America: General - Continued


Peter, George, and Peters, J. F., 1971, Geology and geophysics of the Venezuelan continental margin between Blanquilla and Orchilla Islands: George Washington, Doctoral. (§)

Pinet, P. R., 1972, Structural development of the northern continental margin of Honduras and the adjacent sea floor, northeastern Caribbean Sea: Rhode Island, Doctoral. (§)

Regairaz, A. C., and Borrizo, A., 1964, Relación entre tectónica y morfología en la Cuenca del Golfo San Jorge: Rev. Geol., v. 33, p. 71-86.


South and Central America: Pre-Quaternary Geology


B.1.6 South and Central America: Quaternary Geology


B.1.6 South and Central America: Seismic or Multi-sensor Surveys


GTS Corporation, 1971, Brochure on offshore Honduras seismic records available from GTS Corp.: Seismic records may be purchased from the GTS Corp., 744 St. Charles Ave., New Orleans, La. 70130. (§)( )


B.1.6 South and Central America: Magnetic Surveys


B.1.7 Western Europe: General

Akal, T., 1970, Bathymetry and bottom structure of zones near the island of Elba UYCAL trials in shallow water: Natl. Tech. Inf. Service [AD 879590], 32 p. (§)


B.1.7 Western Europe: General - Continued


Mining Engineer, 1972, Review of the geology of the British continental shelf: Mining Eng., v. 136, p. 216.


B.I.7 Western Europe: General - Continued


B.I.7 Western Europe: Pre-Quaternary Geology


B.1.7 Western Europe: Pre-Quaternary Geology - Continued


Hinz, Karl, Koegler, F. C., Richter, Ingrid, and others, 1971, Seismic reflection studies with a pneumatic acoustic energy source and a sonic sediment depth finder in the western Baltic Sea; Part II, Results of the investigations and geologic interpretations: Meyniana, v. 21, p. 17-24 (in German).


B.1.7 Western Europe - Pre-Quaternary Geology - Continued


B.1.7 Western Europe: Pre-Quaternary Geology - Continued


Western Europe: Pre-Quaternary Geology - Continued


Western Europe: Quaternary Geology and Surficial Sediments - Continued


B.1.7 Western Europe: Seismic or Multi-sensor Surveys - Continued


Leenhardt, D., 1968, Mediterranean Sea seismic profiles and chart, Planier Basin shelf off Marseille: National Oceanogr. Data Center. (*)


Seismograph Service Ltd., 1972, Brochure on non-exclusive offshore seismic data (non-exclusive seismic records and interpreted results of surveys off U.K. and Norway): May be purchased from Seismograph Service Ltd., Westernham Road, Kenton, Kent, England. (E)**


Zarudski, E. F. K., 1969, Strait of Sicily: geophysical interpretation (gravity, magnetic, and seismic profiles location maps) (abs.): Woods Hole Oceanogr. Inst. (E)

B.1.7 Western Europe: Gravity and Magnetic Surveys


B.1.7 Western Europe: Gravity and Magnetic Surveys


Kotenev, B. N., 1969, Marine geological studies in the vicinity of Iceland: Oceanology, v. 9, no. 6, p. 827-829. (1)


B.1.8 Iceland: Quaternary Geology and Surficial Sediments


Kotenev, B. N., 1969, Marine geological studies in the vicinity of Iceland: Oceanology, v. 9, no. 6, p. 827-829. (1)


B.1.8 Iceland (includes Spitsbergen): General

Kotenev, B. N., 1969, Marine geological studies in the vicinity of Iceland: Oceanology, v. 9, no. 6, p. 827-829. (1)


1970, USSR (Caspian and Black Seas listed with III.C. SMALL OCEAN BASINS; for Baltic, see also Western Europe Magrins): General


Ignatius, Heikki, 1961, Marine geological observations from the Barents sea [abs.]: Geol. Arctic (Int. Symp. Arctic Geol., 1st, Pr.), v. 1, p. 717. (1)


B.1.9 USSR (Caspian and Black Seas listed with III.C. SMALL OCEAN BASINS; for Baltic, see also Western Europe Margins): Pre-Quaternary Geology


B.1.9 USSR (Caspian and Black Seas listed with III.C. SMALL OCEAN BASINS; for Baltic, see also Western Europe Margins): Pre-Quaternary Geology


B.1.9 USSR (Caspian and Black Seas listed with III.C. SMALL OCEAN BASINS: for Baltic, see also Western Europe Margins): Pre-Quaternary Geology - Continued


B.1.9 USSR (Caspian and Black Seas listed with III.C SMALL OCEAN BASINS: for Baltic, see also Western Europe Margins): Quaternary Geology and Surficial Sediments


Boynagryan, V. R., 1969, Lithological characteristics of the surface sediments of the submarine slope in the southeastern part of the Baltic Sea: Oceanol., v. 8, no. 6, p. 818-827.


B.I.10 Africa: General — Continued


Simpson, E. S. W., 1966, Geology of the continental shelf: Tegnikon, v. 15, no. 4, p. 166-176 (in Afrikaans).

1971, Offshore sedimentary basins on the southwestern continental margin: Cape Town Univ., 8 p. (8)

The geology of the southwest-African continental margin; a review; in Delany, F. M., ed., The geology of the east Atlantic continental margin; 4, Africa: [Great Britain], Inst. Geol. Sci., Rept. no. 70/16, p. 153-170.


Slater, R. A., 1970, Geomorphology and Cainozoic geology of the continental shelf between Cape Seal and Cape St. Francis, in South African National Committee for Oceanographic Research, Tech. Rept. no. 2: Dep. Geol., Univ. of Cape Town, p. 28-32. (8)


B.I.10 Africa: Pre-Quaternary Geology


B.1.10 Africa: Pre-Quaternary Geology

---


---


---


---


---


B.1.10 Africa: Pre-Quaternary Geology - Continued


B.1.10 Africa: Quaternary Geology and Surficial Sediments


Battistini, Rene, 1972, Hypothesis for the absence of high sea levels in the Quaternary; test study of Madagascar and the southwestern part of the Indian Ocean: Assoc. Francaise Etude Quaternaire Bull., v. 9, no. 31, p. 75-81 (in French).


B.1.10 Africa: Quaternary Geology and Surficial Sediments - Continued


B.1.10 Africa: Seismic or Multi-sensor Surveys


B.1.10 Africa: Gravity and Magnetic Surveys


Compagnie Générale de Géophysique, 1972, Brochure on offshore Ghana aeromagnetic data available from CGG [Records and interpreted results of non-exclusive aeromagnetic survey conducted off Ghana]: May be purchased from CGG, 8120 Hestglen, Houston, Texas 77042. (§)(*)


B.1.11 Middle East: General


B.1.11 Middle East: Pre-Quaternary Geology


Said, Rashed, 1964, Structural setting of Gulf of Suez, Egypt [with discussion]: World Petroleum Cong., 6th, Frankfurt am Main, Proc., sec. 1, p. 201-204.


B.1.11 Middle East: Quaternary Geology and Surficial Sediments


B.1.11 Middle East: Quaternary Geology and Surficial Sediments - Continued

B.1.11 Middle East: Seismic or Multi-sensor Surveys


B.1.12 Far East: General


Sasa, Y., and Mochida, Y., 1971, Submarine geology of the Tsugaru straits: Japan Acad. Proc., v. 38, no. 3, p. 120-123.


B.I.12 Far East: Pre-Quaternary Geology


B.1.12 Far East: Pre-Quaternary Geology - Continued


Pulunggono, A. 1969, Basement configuration in the south Palembang Basin area; Its significance to depositional conditions and oil trappings: Fourth Petroleum Symposium, Canberra, Australia. (4)


B.1.12 Far East: Pre-Quaternary Geology - Continued


Thompson, J. E., 1972, Continental drift and the geological history of Papua-New Guinea: APEA Jour. v. 12, no. 2, p. 64–69.

Tomoda, Yoshibumi, 1971, Gravity anomalies near and around Japan (summary); in Uda, M., ed., The Ocean World—Proceedings of Joint Oceanographic Assembly IAPSO, IABO, CMG, SCOR: Tokyo, Japan Soc. for the Promotion of Science.


Wang, P. C. M., 1965, Reflection profiles off the shore at Kuanyin, Taiwan: Petroleum Geology Taiwan, no. 4, p. 303–306.


B.1.12 Far East: Quaternary Geology and Surficial Sediments


____________, 1971, Quaternary shorelines in west Malaysia and adjacent parts of the Sunda Shelf, in Les niveaux marins quaternaires, part 2: Pleistocene, Quaternaire, no. 15, p. 333–343.


B.1.12 Far East: Quaternary Geology and Surficial Sediments


B.1.12 Far East: Seismic or Multi-sensor Surveys


Honma, Tatsuki, 1969, Track chart, geologic map, structural map, and 5 profiles of area around Japan: Ocean Res. Inst., Tokyo Univ., Preprints of Illustrations of forthcoming article. (#)

Haih, S. H., and Hu, C. C., 1971, Geophysical and magnetic studies of Taiwan: Sino-American Science Cooperation Colloquium on Ocean Resources, v. 1, Marine geology and geophysics, Taipei, Taiwan, p. 147-148. (#)


B.1.12 Far East: Seismic or Multi-sensor Surveys - Continued


United Nations, ECAFE, 1967, Offshore seismic reflection survey around the Izu-Oshima island, Japan: Presented by the Japanese delegation at the third session of the Committee for Co-Ordination of Joint Prospecting for Mineral Resources in Asian Offshore Areas; held at Seoul, Republic of Korea, from June 24 to July 4, 1967, p. 53. (#)


B.1.12 Far East: Gravity and Magnetic Surveys


Geological Survey of Japan, 1971, Aeromagnetic maps of the offshore area of Sakata, Yamagata Prefecture: Geol. Survey Japan, 14 sheets, scales 1:200,000 and 1:100,000.

--- Aeromagnetic maps of Yaegahashi-Rebun area, Hokkaido: Geol. Survey Japan, 26 sheets, scales 1:200,000 and 1:100,000.


Narain, Hari, Narayan, P. V. S., Mishra, D. C., and others, 1969, Results of airborne magnetometer profile from offshore Mangalore to offshore Madras (India) along the 13th degree parallel: Pure and Applied Geophysics, v. 75, no. 4, p. 133-139.


U.S. Naval Oceanographic Office, 1968, Total magnetic intensity chart of Taiwan Strait: U.S. Naval Oceanog. Office, Aeromagnetic Survey (Scale 1 : 2.5'). (#)

B.1.13 Oceania (Australia and SW Pacific islands): General

R.1.13 Oceania (Australia and SW Pacific islands): General - Continued


Conaghan, P. J., 1971, Marine geology of the southern Tropical shelf, Queensland (abs.): Diss. Abs. Int., v. 31, no. 11, p. 66938.


Maxwell, W. H. G., and Economic Department, Bank of New South Wales, 1971, Offshore Australia—the continental shelf, the slope, and beyond: Bank of N.S.W., Sydney, N.S.W., 68 p. (#)


____, 1971, Shallow stratigraphy and structure of the Australian continental margin beneath the Timor Sea: Marine Geology, v. 11, no. 4, p. 209-249.


B.1.13 Oceania (Australia and SW Pacific islands): General - Continued


B.1.13 Oceania (Australia and SW Pacific islands): Pre-Quaternary Geology


Oceania (Australia and SW Pacific islands): General - Continued

B.1.13 Oceania (Australia and SW Pacific islands): Pre-Quaternary Geology - Continued


B.1.13 Oceania (Australia and SW Pacific islands): Quaternary Geology and Surficial Sediments


B.1.14 Antarctica: General


Ewing, Maurice, Ewing, J. I., Houtz, R. E., and others, 1968, Sediment distribution in the Bellingshausen Basin: Symposium on Antarctic Oceanography, Papers, (held in Santiago, Chile, Sept. 13-16, 1966); sponsored by International Council of Scientific Unions, Scientific Committee on Antarctic Research (SCAR) and Scientific Committee on Oceanic Research (SCOR); International Association of Physical Oceanography (IAPSO) and International Union of Biological Sciences (IUBS), p. 89-100.


Hays, J. D., 1968, Late Tertiary and Quaternary sediments of the Bellingshausen Basin: Symposium on Antarctic Oceanography, Papers, (held in Santiago, Chile, Sept. 13-16, 1966); sponsored by International Council of Scientific Unions, Scientific Committee on Antarctic Research (SCAR) and Scientific Committee on Oceanic Research (SCOR); International Association of Physical Oceanography (IAPSO) and International Union of Biological Sciences (IUBS), p. 120.


B.1.14 Antarctica: Pre-Quaternary Geology


B.1.14 Antarctica: Quaternary Geology and Surficial Sediments


B.1.14 Antarctica: Seismic or Multi-sensor Surveys


Houtz, R. E., 1971, Eltanin cruise 42: Antarctic Jour., v. 6, no. 1, p. 15.

B.1.14 Antarctica: Gravity and Magnetic Surveys


B.2 MINERAL RESOURCES

B.2.1 Mixed Geography; General


———, 1970, Marigenous minerals: wealth, regimes and factors of decision: Resources for the Future, Inc. NFF Rept. no. 87, p. 113-153. (8)


Simpson, E. S. W., 1967, Ocean wealth on the shelf: Million, v. 1, p. 45-47.


B.2.2 SMALL OCEAN BASINS, Mixed Geography


Gardner, P. J., 1972, Year of the Arab: Oil and Gas Jour., v. 70, no. 52, p. 79-84, 89.


B.2.1 Mixed Geography: Petroleum (see also III.C.3.1)

Continued


Klemme, W. D., 1971, Giants, supergiants and their relation to basin types: Oil and Gas Jour., v. 69, (Mar. 1) p. 85-90; (Mar. 8) p. 103-110; (Mar. 15) p. 96-100.


Klemme, W. D., 1971, Giants, supergiants and their relation to basin types: Oil and Gas Jour., v. 69, (Mar. 1) p. 85-90; (Mar. 8) p. 103-110; (Mar. 15) p. 96-100.


Mccaslin, J. C., 1972, Offshore exploration is moving around the globe: Oil and Gas Jour., v. 70, no. 50, p. 106-108, 113, 116, 119.

McDowell, A., 1971, Practical application of continental drift concept may find giants: Oil and Gas Jour., v. 69, no. 26, p. 114-16.
B.2.1 Mixed Geography: Phosphorites


Bowen, R. L., 1972, Continental shelf phosphates, one answer to future needs, in Offshore Technology Conference, Fourth Annual, Preprints, v. 2; Offshore Tech. Conf., Dallas, Texas, p. 399-404. (O)

Bromley, R. G., 1967, Marine phosphorites as depth indicators: Marine Geology, v. 5, no. 5-6, p. 503-509.


Wang, F. F. H., 1966, Conceptual models of the deposition of continental shelf minerals (Sixth annual symposium on computers and operations research in mineral industries, April 1, 1966): Skokie, Illinois, International Minerals and Chemical Corporation, 9 p. (O)

B.2.1 Mixed Geography: Glaucinite


Church, T., 1970, Marine barite: San Diego, Univ. of California, Ph.D. thesis. (O)
B.2.1 Mixed Geography: Ferromanganese Modules


B.2.1 Mixed Geography: Solid Mineral Deposits within Sedimentary or Crystalline Bedrock


B.2.2 Canada: General


B.2.2 Canada: Petroleum


, 1972, Move Scotia shelf; basic stratigraphic data and structural framework made public by Shell: Canadian Petroleum, v. 13, no. 4, p. 58-64.


, 1971, Petroleum potential bright for Canada's Hudson Bay basin: Oil and Gas Jour., v. 69, no. 43, p. 101-102.


McCaa, J. C., 1970, James Bay may have something: Oil and Gas Jour., v. 68, no. 29, p. 93.


Oil and Gas Journal, 1969, A look at Canada's offshore hopes: Oil and Gas Jour., v. 67, no. 48, p. 121-128.


B.2.2 Canada: Petroleum - Continued


Watts, A. B., 1972, Geophysical investigations east of the Magdalen Islands, southern Gulf of the St. Lawrence: Canadian Jour. Earth Sci., v. 9, no. 11, p. 1504-1528.


B.2.2 Canada: Ferromanganese Nodules


B.2.3 United States (mixed geography): General


Emery, K. O., 1968, The continental shelf and its mineral resources, in Selected papers from the Governor's Conference on oceanography: New York (State of) and New York State Science and Technology Foundations, p. 36-51. (#)


B.2.3 United States (mixed geography): Petroleum


B.2.3 United States (mixed geography): Petroleum — Continued


National Petroleum Council, Committee on Petroleum Resources under the Ocean Floor, 1971, Petroleum resources under the ocean floor; supplemental report of the National Petroleum Council: Washington, D.C., National Petroleum Council, 57 p.


Panel on Oil Spills, Office of Science and Technology, 1969, Offshore mineral resources: a challenge and an opportunity: Available from U.S. Dept. Commerce, National Technical Information Services, PB 166511. (f)


Weeks, L. H., 1972, Critical interrelated geological, economic and political problems facing the geologist, the petroleum industry and the nation: Exploration and Economics of the Petroleum Industry (meeting held March 15-16, 1972 at Southwest Legal Foundation, Dallas) v. 10, p. 221-246.

B.2.3 United States (Alaska): General


B.2.3 United States (Alaska): Petroleum


B.2.3 United States (Alaska): Petroleum - Continued


Munger, A. H., ed., 1968, Cook Inlet (north portion), in California-Alaska oil and gas fields: Los Angeles, Calif., Munger Oil Inf. Service field map AL-4, scale 1 inch to 6 miles.

Munger, A. H., ed., 1968, Cook Inlet (south portion), in California-Alaska oil and gas fields: Los Angeles, Calif., Munger Oil Inf. Service field map AL-5, scale 1 inch to 6 miles.


Wonick, John, 1968, Cook Inlet basin has big stratigraphic trap: World Oil, v. 167, no. 1, p. 144-146 and 151.

B.2.3 United States (West): General

California University, Institute of Marine Resources, 1965, California and use of the ocean; a planning study of marine resources (prepared for the California State Office of Planning): La Jolla, Calif., Inst. Marine Resources. (8)


B.2.3 United States (West): Petroleum


Castro, M. J., 1966, Here is a new look at Santa Barbara Channel: Phase I. Effects of Federal leasing, outer continental shelf (prelim. rept.): Oil Well Inspection Dept., Santa Barbara County, Calif., 1 volume. (8)

Castro, M. J., 1966, Here is a new look at Santa Barbara Channel potential: Oil and Gas Jour., v. 64, no. 2, p. 98-105.


Conservation Committee of California Oil Producers, 1972, Annual review of California oil and gas production: Conservation Comm. California Oil Producers. (8)


Offshore, 1971, New study shows that California has large potential for offshore oil: Offshore, v. 31, no. 10, p. 54.


Reinhart, P. W., 1970, Oil seepage potentialities of Dos Cuadras oil field, Santa Barbara County, California: Santa Barbara, Calif.: Environ. Quality Advisory Board, 27 p. (8)


B.2.3 United States (West); Petroleum - Continued


1972, California offshore oil and gas seeps: California Div. Oil and Gas and Reg., 11 p.

Wilson, H. M., 1971, Offshore California Drilling ban costly: Oil and Gas Jour., v. 69, no. 30, p. 64-66.

1972, West Coast offshore: oil in a straitjacket: Oil and Gas Jour., v. 70, no. 4, p. 25-28.


B.2.3 United States (West); Phosphorite


B.2.3 United States (West); Glauconite


B.2.3 United States (West); Barite Nodules


B.2.3 United States (Gulf of Mexico); General


Offshore, 1972, Broad study to include mineral resources: Offshore, v. 32, no. 2, p. 42, 44.

B.2.3 United States (Gulf of Mexico); Petroleum (See also II.C.2.2 SMALL OCEAN BASINS, Gulf of Mexico)


B.2.3 United States (Gulf of Mexico). Petroleum (See also II.C.2.2 SMALL OCEAN BASINS, Gulf of Mexico - Continued)


Rainwater, E. M., 1960, Stratigraphy and its role in the future exploration for oil and gas in the Gulf Coast: Gulf Coast Assoc. Geol. Soc. Trans., v. 10, p. 33-75

1968, Geological history and oil and gas potential of the central Gulf Coast: Gulf Coast Assoc. Geol. Soc. Trans., v. 16, p. 124-165.


Schafer, Sidney, 1972, (periodically up-dated), Offshore index map extending from Brownsville, Texas, to Pensacola, Florida, showing oil and gas fields, offshore lease ownership and leasing zone lines: "Houston, Tex., Sidney Schafer and Co. (§)


B.2.3 United States (Gulf of Mexico): Petroleum (See also 11.C.2.2 SMALL OCEAN BASINS, Gulf of Mexico - Continued)


B.2.3 United States (Gulf of Mexico): Sulfur, Potash, Halite and other Soluble Salts


B.2.3 United States (Gulf of Mexico): Geothermal Energy


B.2.3 United States (Gulf of Mexico): Phosphorite


B.2.3 United States (East): General


B.2.3 United States (East): Petroleum


McCaslin, J. C., 1972, Atlantic continental margin creating interest: Oil and Gas Jour., v. 70, no. 9, p. 119.

Maher, J. C., 1966, Atlantic offers oil promise: Oil and Gas Jour., v. 64, no. 30, p. 246-252.


Petroconsultants, S. A., 1972, Geology and oil prospects of the possibilities of the Florida-Bahama platform (Non-exclusive report): May be purchased from Petroconsultants S. A., 2 rue Vallin, Stand 31g, Geneva, Switzerland. (6)


[no date], Oil and gas maps of Atlantic Ocean Blocks A through E, South Carolina Continental Shelf: Columbia, S. C., South Carolina State Devel. Board, Div. Geology Map, Ser. 8, U.S. Geol. Survey, scale 1:250,000. (6)

B.2.3 United States (East): Petroleum - Continued


B.2.3 United States (East): Phosphorite


B.2.3 United States (East): Glauconite


B.2.3 United States (East): Ferromanganese Modules


B.2.4 Mexico: Petroleum (See also III.C.2.2 SMALL OCEAN BASINS, Gulf of Mexico)


1969, Mexico's big-oil dream materialising in the Gulf: Oil and Gas Jour., v. 67, no. 23, p. 33-36.

1970, Big oil province shapes up off Mexico: Oil and Gas Jour., v. 68, no. 30, p. 72-75.


1970, This part of Mexico looks promising: Oil and Gas Jour., v. 68, no. 39, p. 134-136.


1968, Pemex claims big offshore field: Oil and Gas Jour., Apr. 22, 1968, p. 120-121.


B.2.4 Mexico: Phosphorite

B.2.5 South and Central America: General


B.2.5 South and Central America: Petroleum (See also III.C.2.3 SMALL OCEAN BASINS, Caribbean Sea)


Castano, B., and Leopoldo, 1969, Buen futuro petrolero podria tener el Golfo de Panama: Petroleo Interamericano, v. 77, no. 10, p. 56, 60-62 (with English abs.).

1969, Intensifican el cateo en Trinidad: Petroleo Interamericano, v. 27, no. 11, p. 53-54, 57 (with English abs.).


1972, Four virgin basins in Venezuela hold promising hydrocarbon possibilities: Oil and Gas Jour., v. 70, no. 49, p. 100-102.


B.2.5 South and Central America: Petroleum (See also III.C.2.3 SMALL OCEAN BASINS, Caribbean Sea) - Continued


--- 1968, Future hydrocarbon provinces of the Gulf of Mexico-Caribbean region: Pt. 1, Explored areas still hold future hydrocarbon potential: Oil and Gas Jour., v. 66, no. 24, p. 146-151; Pt. 2, Triassic-early Jurassic hold economic importance: Oil and Gas Jour., v. 66, no. 25, p. 130-132; Pt. 2, Late Jurassic brings abrupt changes: Oil and Gas Jour., v. 66, no. 26, p. 148-153; Pt. 4, Orogeny and epeirogeny active during mid-Cretaceous time: Oil and Gas Jour., v. 66, no. 27, p. 144-151; Pt. 5, Future petroleum exploration depends on explorers themselves: Oil and Gas Jour., v. 66, no. 28, p. 100-103.


Petroconsultants S. A., 1967, Oil and gas prospects of the Argentine basins [non-exclusive report]: May be purchased from Petroconsultants S. A., 2 Rue Vallin, Stand 31g, Geneva, Switzerland. (§)


Weaver, O. D., and Purser, J. J., 1971, Here are the primary oil and gas test areas in Jamaica: Oil and Gas Jour., v. 69, no. 50, p. 132-137.

--- 1971, Jamaican geological study reveals oil, gas potential: Oil and Gas Jour., v. 69, no. 49, p. 120-124.

B.2.5 South and Central America: Potash, Halite and other Soluble Salts


B.2.5 South and Central America: Phosphorites


B.2.6 Western Europe: General


B.2.6 Western Europe: Petroleum (See also III.C.2.4 SMALL OCEAN BASINS, Mediterranean Sea)


B.2.6 Western Europe: Petroleum (See also III.C.2.4 SMALL OCEAN BASINS: Mediterranean Sea - Continued


Cranefield, J., 1971, North Sea still holds most promise; BP's plans in North Sea including Forties Field: Oil Gas Int., v. 11, no. 5, p. 37-38, 65.


Gardner, F. J., 1970, Huge North Sea find has entire world vibrating: Oil and Gas Jour., v. 68, no. 21, p. 33-36.


1972, North Sea geology favours more giant gas/oil finds: World Oil, v. 175, no. 9, p. 35-39.
Western Europe: Petroleum (See also III.C.2.4 SMALL OCEAN BASINS, Mediterranean Sea - Continued


Lemaigre, M. K., 1971, Oil exploration in the North Sea; state of the art and outlook: Int. Exploit. Oceans, Colloq., v. 6, no. 1, p. 139-154 (in French).


Norway Ministry of Industry, 1971, Exploration for, and exploitation of, submarine natural resources on the Norwegian continental shelf, etc.: Norway Ministry of Industry, Storting Rept. no. 76.

Oil and Gas International, 1971, Giant North Sea tertiary sediments extend to the Arctic: Oil and Gas Internat., v. 11, no. 9, p. 44.

Oil and Gas Journal, 1972, Frigg Field may be one of the North Sea's largest: Oil and Gas Jour., v. 70, no. 18, p. 40.

1972, Vast North Sea reserves yet to be found: Oil and Gas Jour., v. 70, no. 49, p. 33.


Petroconsultants S. A., 1965, Oil prospects of Malta and its continental shelf (Non-exclusive report): May be purchased from Petroconsultants S. A., 2 rue Vallin, Stand 31 g, Geneva, Switzerland. (§)

___1968, Geology, physiography and oil prospects of the European Arctic (Non-exclusive report): May be purchased from Petroconsultants S. A., 2 rue Vallin, Stand 31 g, Geneva, Switzerland. (§)


Schieber, P., 1965, Oil and gas in the Netherlands and under the North Sea: Amsterdam-Rotterdam Bank N. V., 38 p. (§)

Seagull Exploration, Ltd., 1967, Petroleum exploration guide; Italy, Sicily and offshore areas (Non-exclusive report): May be purchased from Seagull Explo. (UK), Ltd., 13 Egerton Place, London SW3, 75 p. and 27 encl. (§)

B.2.6 Western Europe: Petroleum

(See also III.C.2.4 SMALL OCEAN BASINS, Mediterranean Sea - Continued)


--- 1971, Recent developments in the North Sea: Europe and Oil, v. 10, no. 7-8, p. 13.


B.2.6 Western Europe: Glauconite


B.2.6 Western Europe: Farromanganese Modules

Hartmann, Martin, 1964, Zur Geochemie von Mangan und Eisen in der Ostsee: Meyniana, Kiel, Universität, Geologischen Institut, Veroeffentlichungen, v. 14, p. 2-30 (with English abs.).


B.2.6 Western Europe: Metalliferous Sediments and Hot Metalliferous Brines


B.2.7 USSR (Caspian and Black Seas listed with III.C.2.4 SMALL OCEAN BASINS, Mediterranean Sea - Continued)

Gaponenko, G. I., Volk, V. E., Demenikakey, R. M., and others, 1971, Interpretation of data obtained from geophysical surveys of the Arctic coast and continental shelf of the USSR as the basis for predicting possible oil-gas and placer deposits: Geofiz. Metody Razv. Arkt., no. 6, p. 6-8 (in Russian).


B.2.7 USSR (Caspian and Black Seas listed with III.C.2.4 SMALL OCEAN BASINS, for Baltic, see also II. CONTINENTAL MARGINS, Western Europe): General


Meyerhoff, A. A., 1972, Russians look hard at Anadyr Basin: Oil and Gas Jour., v. 70, no. 43, p. 124-129; no. 44, p. 84-89.

De Kun, N. A., 1965, The mineral resources of Africa:


B.2.8 Africa: Petroleum - Continued


B.2.8 Africa: Phosphorite


Parker, R. J., and Simpson, E. S. W., 1972, South African Agulhas Bank phosphorites: Phosphorous and Potassium, v. 58, p. 18 and 27.


B.2.8 Africa: Glauconite


B.2.8 Africa: Ferromanganese Pellets


B.2.9 Middle East: Petroleum (See also III.C.2.7 SMALL OCEAN BASINS, Red Sea)

B.2.9 Middle East: Petroleum (See also III.C.2.7 SMALL OCEAN BASINS, Red Sea) - Continued


Koester, E. A., 1969, Oil exploration in Turkey, in Southwestern Legal Foundation, Seventh Annual Institute on Exploration and Economics of the Petroleum Industry, Ch. 6, p. 61-68.

Longrigg, S. H., 1961, Oil in the Middle East; its discovery and development: Oxford Univ. Press, London, (Issued under the auspices of the Royal Inst. of International Affairs), 401 p.


B.2.9 Middle East: Petroleum (See also III.C.2.7 SMALL OCEAN BASINS, Red Sea) - Continued


Zvereva, O. V., and Selitskig, A. G., 1970, Spatial distribu-
tion of oil and gas in the hydrocarbon basin of the

B.2.9 Middle East: Potash, Halite and other Soluble
Salts

Bentor, Y. K., 1960, The geological development of the
Dead Sea (abs.): Res. Council Israel Bull., v. 90,
no. 2-3, p. 173.

1963, Salt deposits of the Dead Sea area (abs.1):

Gevork’yan, V. Kh., and Chununny, Yu. G., 1970, Phos-
phorite nodules in the bottom sediments of the Gulf
of Aden: Oceanology, no. 2, p. 233-241; transl. of

B.2.9 Middle East: Phosphorite

geochemistry of manganese encrustations from the Gulf
of Aden: Deep-Sea Research, v. 13, no. 12, p. 1179-
1187. (t)


B.2.9 Middle East: Ferromanganese Nodules

geochemistry of manganese encrustations from the Gulf
of Aden: Deep-Sea Research, v. 18, no. 12, p. 1179-
1187.

Cree, Allan, 1972, Industry looks at Java Sea geology:
Oil and Gas Jour., v. 70, no. 27, p. 72-74.

1972, Status of petroleum exploration in Indonesia:
Explor. and Economics of Petroleum Industry
(Mtg. held Mar. 15-16, 1972, at Southwest Legal Found.,
Dallas, Tex.), v. 10, p. 123-143.

Bakke, D. R., 1971, Red China moving into offshore pic-
ture; first significant oil discovery indicated: Off-
shore, v. 31, no. 3, p. 38, 40, 42.

Ballou, G. T., 1970, Oil and economic growth in the
E.C.A.F.E. region, Part I: Australasian Oil and Gas
Rev., v. 16, no. 12, p. 19.

Chandra, P. K., 1972, Geology and petroleum possibilities
of Andaman Island, India (abs.): in Regional Confer-
ence on the Geology of Southeast Asia, Abstracts of

United Nations, ECAFE, 1968, Regional geology and pros-
pcts for mineral resources on the northern part of
the Sunda Shelf: United Nations ECAFE, CCOP Tech.
Bull., v. 1, p. 129-142.

B.2.10 Far East: Petroleum

Adams, J. W., Jr., 1969, Unexplored far-eastern areas
look promising: Ocean Industry, v. 4, no. 12, p. 53-
57.

Emery, K. O., and Niino, Hiroshi, 1968, Stratigraphy and
petroleum prospects of Korea Strait and the East China
Sea: United Nations ECAFE, CCOP Tech. Bull., v. 1,
p. 13-27; also in Geol. Survey Korea Rept. Geophys.

Emery, K. O., and Niino, Hiroshi, 1968, Stratigraphy and
petroleum prospects of Korea Strait and the East China
Sea: United Nations ECAFE, CCOP Tech. Bull., v. 1,
p. 13-27; also in Geol. Survey Korea Rept. Geophys.

El-Tarabil, and El-Sayed, 1969, Paleogeography, paleo-
ecology and genesis of the phosphatic sediments in the
Quseir-Safaga area, U.A.R.: Econ. Geography and
Economic Geology, v. 64, no. 2, p. 172-182.

Eremenko, N. A., and Sastri, V. V., 1969, oil and gas
resources around the Japanese Islands (abs.): Pacific

Bakke, D. R., 1971, Red China moving into offshore pic-
ture; first significant oil discovery indicated: Off-
shore, v. 31, no. 3, p. 38, 40, 42.

Frazier, S. B., Schwartz, D., Cronk, C., and others,
1972, Korea: petroleum exploration surveys over a por-
tion of the Yellow Sea, in Mineral fuels, Section 2:

Fukuta, O., 1970, Natural gas resources of the Ryukyu
Islands--preliminary report by the 4th phase survey
team of Geological Survey of Japan: Geol. Survey Japan

1970, Report of the 3rd phase survey for the natu-
ral gas resources of Ryukyu Islands; Pt. 1, Outline of
geochemistry and note on previous works: Geol. Survey Japan
Bull., v. 21, no. 8, p. 1.

1970, Report of the 3rd phase survey for the natural gas resources of Ryukyu Islands: Pt. 8, Geology, micropaleontology (Foraminifera) and correlation of Naha no. 1 test well: Geol. Survey Japan Bull., v. 21, no. 8, p. 39.


Gardner, F. J., 1970, Prospective acreage gone in hot Indonesian waters: Oil and Gas Jour., v. 68, no. 13, p. 53-56.


Kirikawa, T., and others, 1970, Report of the 3rd phase survey for the natural gas resources of Ryukyu Islands: Pt. 9, Geochemical exploration by boring cores at Naha R-1 test well, in the southern part of the Okinawa Main Island: Geol. Survey Japan Bull., v. 21, no. 8, p. 43.


B.2.10 Far East: Petroleum - Continued


1971, The geology and hydrocarbon prospects of Bangladesh (Non-exclusive report scheduled for completion in 1973): May be purchased from Robertson Research Internat., Ltd., North Wales, or branch offices, 52 p., 14 maps and sections (in press). (§)


1971, The geology and hydrocarbon prospects of the Andaman Sea (Non-exclusive report scheduled for completion in 1974): May be purchased from Robertson Research Internat., Ltd., North Wales, or branch offices, approx. 100 p. and 20 maps and sections (in press). (§)


Stach, L. W., 1964, Petroleum potentialities of the continental shelf between Cape York and southwestern Papua: APEA Jour., p. 66-73.


Wang, F. M., 1967, Subsurface geology and oil possibilities of the Taoyuan-Miaoli offshore region, Taiwan: Petroleum Geol. Taiwan, no. 5, p. 81-98.

B.2.10 Far East: Barite Modules


B.2.11 Oceania (Australia and SW Pacific Islands): General

B.2.11 Oceania (Australia and SW Pacific Islands):

General - Continued


B.2.11 Oceania (Australia and SW Pacific Islands):

Petroleum


Balfour, J. C. M., 1971, Oil and gas in Australia: Address at 1971 APEA Convention in Melbourne. (8)


Challinor, A., Kays, P., Martinson, N. W., and others, 1972, Seismic work paid off well on northwest Australia's shelf: Oil and Gas Jour., v. 70, no. 36, p. 146-148.


1969, Drilling results from several south-eastern Australia offshore areas: APEA Jour., v. 8, no. 4, p. 146-150.


Hydrospace, 1969, Australia--the potential (3); oil and gas exploration: Hydrospace, v. 2, no. 1, p. 41-44.


Sprigg, R. C., 1964, The southern Australian continental shelf as a habitat for petroleum: APEA Jour., v. 9, p. 60-66.


Parry, J. C., 1967, The Barrow Island oil field: APEA Jour., p. 130-133.


B.3.1 Mixed Geography: Sub-oceanic Stratigraphy and Paleontology - Continued


B.3.1 Mixed Geography: Petrology, Igneous Geochemistry and Metallogenesis


B.3.1 Mixed Geography: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


Kuenen, P. H., 1962, Giant rivers under the sea: Sea Frontiers, v. 8, no. 4, p. 237-244.


**V.3.1 Mixed Geography: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes - Continued**


Triplehorn, D. M., 1966, Morphology, internal structure, and origin of glauconite pellets: Sedimentology, v. 6, no. 4, p. 247-266.


**B.3.1 Mixed Geography: Submarine Canyons**


**B.3.1 Mixed Geography: Crust-Mantle Processes**

Asghirey, G. D., 1969, Fracture tectonics along Atlantic-type coasts in the transition zones between continents and oceans: Geologie (Berlin), v. 18, no. 9, p. 1003-1023 (in German).

Bernoulli, Daniel, and Jenkyns, H. C., 1971, Alpine. _____1971, Ophiolite generation and emplacement) a key


Kane, M. F., 1972, Rotational inertia of continents; a proposed link between polar wandering and plate tectonics: Science, v. 175, no. 4028, p. 1355-1357.


**B.3.1 Mixed Geography: Crust-Mantle Processes - Continued**


**B.3.1 Mixed Geography: Seismicity**


**B.3.2 Canada: General**


B.3.2 Canada: Submarine Topography/Geomorphology

Canadian Hydrographic Service, 1969, Bathymetric chart, Bay of Fundy to Gulf of St. Lawrence: Canadian Hydrographic Service Map no. 801, scale 1:1,000,000. (8)


Rachev, V. D., 1969, Some features of the geomorphology of the shelf and continental slope of the Newfoundland and Labrador areas: Oceanology, v. 8, no. 4, p. 528-534; English transl. of Okeanologija, v. 8, no. 4.

Sandilands, R. W., 1972, Hydrographic charting and oceanography on the west coast of Canada from the eighteenth century to the present day: Royal Soc. Edinb., Proc., Sec. B, v. 73, no. 9, p. 75-83.


B.3.2 Canada: Sub-oceanic Stratigraphy and Paleontology


B.3.2 Canada: Submarine Canyons

B.3.3 Greenland; Magnetism and Paleomagnetism


B.3.4 United States (mixed geography): Submarine Topography/Geomorphology


B.3.4 United States (mixed geography): Submarine Canyons


B.3.4 United States (Alaska): Submarine Topography/Geomorphology

Continental Shelf Data Systems, 1969, Beaufort Sea-Arctic Coast; vol. 1, Oceanographic and climatologic data; vol. 2, Oceanographic and climatologic data—bathymetric maps: Continental Shelf Data Systems, v. 1, 136 p.; v. 2, 12 sheets (scale 1:192,000).

B.3.4 United States (Alaska): Sub-oceanic Stratigraphy and Paleontology

Continental Shelf Data Systems, 1969, Beaufort Sea-Arctic Coast; vol. 1, Oceanographic and climatologic data; vol. 2, Oceanographic and climatologic data—bathymetric maps: Continental Shelf Data Systems, v. 1, 136 p.; v. 2, 12 sheets (scale 1:192,000).

B.3.4 United States (mixed geography): Sub-oceanic Stratigraphy and Paleontology

Continental Shelf Data Systems, 1969, Beaufort Sea-Arctic Coast; vol. 1, Oceanographic and climatologic data; vol. 2, Oceanographic and climatologic data—bathymetric maps: Continental Shelf Data Systems, v. 1, 136 p.; v. 2, 12 sheets (scale 1:192,000).

B.3.4 United States (Alaska): Sub-oceanic Stratigraphy and Paleontology

Continental Shelf Data Systems, 1969, Beaufort Sea-Arctic Coast; vol. 1, Oceanographic and climatologic data; vol. 2, Oceanographic and climatologic data—bathymetric maps: Continental Shelf Data Systems, v. 1, 136 p.; v. 2, 12 sheets (scale 1:192,000).

B.3.4 United States (mixed geography): Sub-oceanic Stratigraphy and Paleontology

Continental Shelf Data Systems, 1969, Beaufort Sea-Arctic Coast; vol. 1, Oceanographic and climatologic data; vol. 2, Oceanographic and climatologic data—bathymetric maps: Continental Shelf Data Systems, v. 1, 136 p.; v. 2, 12 sheets (scale 1:192,000).
B.3.4 United States (Alaska): Sub-oceanic Stratigraphy and Paleontology - Continued


B.3.4 United States (Alaska): Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


B.3.4 United States (Alaska): Crust-Mantle Processes


B.3.4 United States (Alaska): Isostasy


B.3.4 United States (West): General


B.3.4 United States (West): Submarine Topography/Geomorphology


1963, Geomorphology of the continental terrace off the northern coast of Oregon: The Ore Bin, v. 25, p. 201-209.

1963, Geomorphology of the Oregon continental terrace south of Coos Bay: The Ore Bin, v. 25, no. 9, p. 149-155.


B.3.4 United States (West): Submarine Topography/Geomorphology


B.3.4 United States (West): Sub-oceanic Stratigraphy and Paleontology


Avila, F. A., 1968, Middle Tertiary stratigraphy of Santa Rosa Island, California: California Univ., Santa Barbara, M.A. thesis. (*)


Doerner, D. P., 1968, Lower Tertiary biostratigraphy of Santa Cruz Island, California Univ., Santa Barbara, M.A. thesis. (*)


B.3.4 United States (West): Geochronology


B.3.4 United States (West): Petrology and Igneous Geochemistry


B.3.4 United States (West): Sedimentary Processes, Sedimentary Geochronology and Studies of Certain Sedimentary Regimes


1970, Marine geology and oceanography of Santa Cruz Basin off southern California: California Univ., Southern, Contract Rept. no. USC-Geol. 70-3, 175 p. (*)


B.3.4 United States (West): Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


Harlett, J. C., 1972, Sediment transport on the northern Oregon continental shelf [abs.]: Dissert. Abs. Int., v. 32, no. 8, p. 4768B.


B.3.4 United States (West): Submarine Canyons


Carrow, Robb, and McManus, D. A., 1967, Juan de Fuca Submarine Canyon; a study of continental slope development: Geol. Soc. America Mtg. (Held in New Orleans, La., Nov. 20-22, 1967), Programs and Abs., p. 34.


B.3.4 United States (West): Submarine Canyons - Continued


1967, Erosion in the head of La Jolla submarine canyon [abs.]: In sea level changes and crustal movements of the Pacific during the Pliocene and post-Pliocene time: Osaka Univ. Jour. Geosci., v. 10, p. 105.


1971, Physical sedimentology and bathymetry, Santa Cruz submarine-canyon complex, continental borderland, California: Texas Univ., Austin, Ph.D. thesis. (#)


Holden, J. C., 1968, Brackish water ostracodes from La Jolla submarine canyon: 7,200 ± 500 years before present: PaleoBios, no. 5, 8 p.

Martin, B. D., 1964, Monterey submarine canyon, California: genesis and relationship to continental geology: California Univ., Southern, Ph.D. dissert., 249 p. (#)


B.3.4 United States (West): Crust-Mantle Processes

Carson, Bobb, and Yuan, Jenn-Wei, 1972, Pattern of deep-sea sediment deformation at a compressive continental margin [abs.]: Geol. Soc. America Abs., v. 4, no. 7, p. 467.


B.3.4 United States (West): Continued


B.3.4 United States (West): Seismicity


B.3.4 United States (West): Submarine Topography


B.3.4 United States (Gulf of Mexico): Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


Taber, E. C., III, 1971, Holocene estuarine and marine sediments in the Galveston Bay (Texas) and adjacent shelf areas: Houston, M.S. thesis. ($)


B.3.4 United States (Gulf of Mexico): Submarine Canyons


B.3.4 United States (Gulf of Mexico): Crust-Mantle Processes - Continued


B.3.4 United States (East): General


B.3.4 United States (East): Submarine Topography/Geomorphology


B.3.4 United States (East): Sub-oceanic Stratigraphy and Paleontology


B.3.4 United States (East): Sedimentary Processes and Paleontology - Continued


B.3.4 United States (East) Geochronology


B.3.4 United States (East) Petrology and Igneous Geochemistry


B.3.4 United States (East) Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


B.3.4 United States (East): Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes - Continued


Milliman, J. D., Pilkey, O. H., and Blackwelder, B. W., 1968, Carbonate sediments on the continental shelf, Cape Hatteras to Cape Hatteras: Southeast Geology, v. 9, no. 4, p. 245-267.


B.3.4 United States (East): Submarine Canyons - Continued


S.3.1 United States (East): Crust-Mantle Processes


B3.6 South and Central America; General


B.3.5 Mexico: Crust-Mantle Processes


B.3.5 Mexico: Seismicity


B.3.6 South and Central America; General


B.3.5 Mexico: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Environments

Williams, J. D., 1963, The petrology and petrography of sediments from the Sigabee Blanket, Yucatian Shelf, Mexico: Indexed by title, article available from Texas Agr. and Mech. Univ., College Station, Tex. (8)


South and Central America: Submarine Topography


B.3.6 South and Central America: Submarine Topography


M.3.6 South and Central America: Sedimentary Processes


Miro Orell, Manuel, 1971, Submarine morphology and recent marine sediments of the continental margin of northeast Venezuela; summary: Acta Geol. Hisp., v. 6, no. 1, p. 24-31 (in Spanish with English sumam.).

B.3.6 South and Central America: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Environments - Continued


B.3.6 South and Central America: Submarine Canyons


B.3.6 South and Central America: Crust-Mantle Processes


L'Institut de Geologie du Bassin d'Aquitaine, 1969, Resultats de travaux de l'Institut de Geologie du Bassin d'Aquitaine, v. 6, p. 267.


B.3.7 Western Europe: Submarine Topography/Geomorphology - Continued

Flinn, Derek, 197., The topography of the seafloor around Orkney and Shetland and in the northern North Sea: Geol. Soc. London Jour., v. 129, no. 1, p. 39-59 (in press).


B.3.7 Western Europe: Sub-oceanic Stratigraphy and Paleontology


B.3.7 Western Europe: Petrology, Igneous Geochemistry and Metallogenesis


B.3.7 Western Europe: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


B.3.7 Western Europe: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes - Continued


Rudolph, Heinz, 1968, Petrographic studies of recent sediments from the western part of the Baltic sea; Mecklenburg and Lubeck bays: Deut. Geol. Mijnbouw, v. 6, no. 6, p. 637-681 (in German).


B.3.7 Western Europe: Submarine Canyons


Berthois, Leopold, and Brient, R., 1960, La morphologie sous-marine du talus du plateau continental entre le sud de l'Irlande et le cap Ortegal (Espagne); mise au point des resultats obtenus: J. Conseil (Conseil int. Exploration Mer), v. 25, no. 2, p. 111-114.


B.3.7 Western Europe: Submarine Canyons - Continued


B.3.7 Western Europe: Crust-Mantle Processes


---


---


---


---


---


---


---


---


---


---


---


---

B.3.7 Western Europe: Crust-Mantle Processes - Continued


B.3.7 Western Europe: Seismicity


B.3.7 Western Europe: Heat Flow and Paleo-heat Flow


B.3.7 Western Europe: Magnetism and Paleomagnetism


B.3.7 Western Europe: Magnetism and Paleomagnetism - Continued


B.3.8 Iceland (includes Spitsbergen): Crust-Mantle Processes


B.3.9 USSR (Caspian and Black Seas listed with III.C. SMALL OCEAN BASINS; for Baltic, see also Western Europe Margins): Petrology, Igneous Geochemistry and Metallogenesis

B.3.9 USSR (Caspian and Black Seas listed with III.C. SMALL OCEAN BASINS; for Baltic, see also Western Europe Margins): Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes

B.3.9 USSR (Caspian and Black Seas listed with III.C. SMALL OCEAN BASINS; for Baltic, see also Western Europe Margins): Paleontology


B.3.9 USSR: Submarine Canyons - Continued


Akramovskiy, X. I., 1971, Tectonic control over the litho­
facies in the transitional zone from the Asiatic continent to the Pacific Ocean: Session in the Far-East, Moscow, theses. (!)

Krasny, I. I., 1967, Structure and geologic history of the North­
ern Pacific Mobile Belt: Tectonophysics, v. 4, no. 4-6, p. 339-347.


Nurkova, I. O., 1966, Tectonic control over the litho­
facies in the transitional zone from Asiatic continent to the Pacific Ocean: (in Russian).


Krasny, I. I., 1967, Structure and geologic history of the North­
er Western Pacific Mobile Belt: Tectonophysics, v. 4, no. 4-6, p. 339-347.


Nurkova, I. O., 1966, Tectonic control over the litho­
facies in the transitional zone from Asiatic continent to the Pacific Ocean: Acad. Sci. USSR, p. 119.


Nurkova, I. O., 1966, Tectonic control over the litho­
facies in the transitional zone from Asiatic continent to the Pacific Ocean: Acad. Sci. USSR, p. 119.


Nurkova, I. O., 1966, Tectonic control over the litho­
facies in the transitional zone from Asiatic continent to the Pacific Ocean: Acad. Sci. USSR, p. 119.


Nurkova, I. O., 1966, Tectonic control over the litho­
facies in the transitional zone from Asiatic continent to the Pacific Ocean: Acad. Sci. USSR, p. 119.
B.3.9 USSR (Caspian and Black Seas listed with III.C. SMALL OCEAN BASINS; for Baltic, see also Western Europe Margins): Crust-Mantle Processes - Continued


Riobsh, L. A., 1964, Geomagnetic description of main tectonic structures in the east of the USSR, in the transitional zone from the Asiatic continent to the Pacific Ocean, and in the abyssal floor of the ocean: Geol. and Geophys. no. 5.


B.3.9 USSR (Caspian and Black Seas listed with III.C. SMALL OCEAN BASINS; for Baltic, see also Western Europe Margins): Heat Flow


B.3.10 Africa: General

France, Centre pour l'Exploitation des Oceans, 1971, Premier results de la campagne "Haida" du n/o "Jean Charcot": France, Centre pour l'Exploitation des Oceans, Bull. d’Information no. 34, p. 4-5.

B.3.10 Africa: Submarine Topography


B.3.10 Africa: Sub-oceanic Stratigraphy and Paleontology


B.3.10 Africa: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


B.3.10 Africa: Submarine Canyons


B.3.10 Africa: Crust-Mantle Processes


B.3.10 Africa: Submarine Canyons


B.3.10 Africa: Crust-Mantle Processes


B.3.10 Africa: Submarine Canyons


B.3.10 Africa: Crust-Mantle Processes


B.3.10 Africa: Submarine Canyons


B.3.10 Africa: Crust-Mantle Processes


B.3.10 Africa: Submarine Canyons


B.3.10 Africa: Crust-Mantle Processes


B.3.10 Africa: Submarine Canyons

B.3.11 Middle East; Submarine Topography/Geomorphology


B.3.11 Middle East: Sub-oceanic Stratigraphy and Paleontology


B.3.11 Middle East: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


B.3.11 Middle East: Crust-Mantle Processes


B.3.12 Far East: General

Onodera, K., and Midumi, H., 1972, Submarine geologic survey at the mouth area of Makasa Bay by the research submersible Shinkai: Marine Sci., v. 4, p. 487-494.


B.3.12 Far East: Sub-oceanic Stratigraphy and Paleontology


U.S. Naval Oceanographic Office, Geology Section, 1968, Submarine physiography of Southeast Asia: U.S. Naval Oceanographic Office, Informal Rept. 68-93, 18 p. (6)

B.3.12 Far East: Sub-oceanic Stratigraphy and Paleontology


Mallik, T. K., 1968, Heavy minerals of shelf sediments

Mizuno, A., and others, 1970, Sedimentological study in

____ 1972, Opaque minerals from the shelf sediments off the west coast of India: Current Sci., v. 37, no. 17, p. 481-483.

1971, Geochemical studies on the shelf sediments off the west coast of India (summary), in Uda, Michitaka, ed., the ocean world—Proceedings of Joint Oceanographic Assembly IAPSO, IARO, CMG, SCOR: Tokyo, Japan, Soc. for Promotion of Sci., p. 504-506.


Ma, Ting-ying H., 1963, Twin origin of the submarine canyons around Taiwan and the Quaternary glaciation in Taiwan as basis for refutation of the turbidity current theory and the so-called "great ice age" as due to universal lowering of temperature: Petroleum Geol. Taiwan, no. 2, p. 209-219.

Sato, T., 1962, Submarine topography in the environs of the Kusioh submarine canyon: (Journal title, text in Japanese; English ab.


B.3.12 Far East: Submarine Canyons - Continued


B.3.12 Far East: Crust-Mantle Processes


B.3.12 Far East: Seismicity


B.3.12 Far East: Seismicity - Continued


B.3.12 Far East: Heat Flow


B.3.13 Ocean (Australia and SW Pacific Islands): Submarine Topography/Geomorphology


Smith, W. J. L., 1961, Hydrographic charts, offshore New Zealand: Royal Navy New Zealand, 9 maps (scale 1:72,000).

B.3.13 Ocean (Australia and SW Pacific Islands): Sub-oceanic Stratigraphy/Paleontology


B.3.13 Ocean (Australia and SW Pacific Islands): Geochronology


B.3.13 Ocean (Australia and SW Pacific Islands): Petrology, Igneous Geochemistry, and Metallogene sis


B.3.13 Ocean (Australia and SW Pacific Islands): Submarine Canyons


B.3.13 Ocean (Australia and SW Pacific Islands): Crust-Mantle Processes


B.3.13 Oceania (Australia and SW Pacific Islands):
Crust-Mantle Processes - Continued

Laing, A. C. M., 1972, The continental accretion and
folding of Australia by Pacific sea floor under-
spreading: APEA Jour., v. 12, pt. 2, p. 70-73.

B.3.13 Oceania (Australia and SW Pacific Islands):
Heat Flow

Halonen, A. J., Sutton, G. N., and Michel, J., 1969,
Measurement of oceanic heat flow; Ontong Java plateau
and Darwin Rise areas (abs.): EOS (Am. Geophys.
Union Trans.), v. 50, no. 4, p. 206.

B.3.14 Antarctica: General

Fillon, R. H., 1972, Late Cenozoic paleo-oceanography;
Korotkevich, T. S., 1963, The Intra-abelf trench in
Halunen, A. J., Sutton, G. M., and Michel, J., 1969,
Reid, J. L., ad., 1971, Antarctic oceanology, I;
Fujiwara, Kanzo, 1971, Soundings and submarine topography
of the Weddell Sea in 1969 (INSOE): Clearinghouse
Korotkevich, T. S., 1963, The Intra-abelf trench in
v. 4, no. 41, 4 p.
Reid, J. L., ed., 1971, Antarctic oceanology, I;
Antarctic Research Ser., v. 15, p. 343.

B.3.14 Antarctica: Submarine Topography/Geomorphology

Fujivara, Kansu, 1971, Soundings and submarine topography
of the glaciated continental shelf in Lutowe-Holm Bay,
east Antarctica: Antarctic Res., no. 41, p. 81-102
(in Japanese with English sum.)
Grinnell, D. V., 1971, Physiography of the continental
margin of Antarctica from 125°E to 150°S: Antarctic
Jour., v. 6, no. 5, p. 164-165.
Heessen, B. C., and Hollister, C. D., 1967, Physiography
and bottom currents in the Bellinghausen Sea:
Heessen, B. C., and Tharp, Maris, 1970, Morphology of the
earth in the Antarctic and Subantarctic: Antarctic
Research Ser. no. 19, p. 349-364.
Lapley, L. K., 1964, Submarine geomorphology of eastern
Ross and Sulzberger Bay, Antarctica: Texas Agr.
Meesling, D. C., 1972, Submarine and subglacial morph-
ology, Kronprinsess Maertha Kyst, Dronning Maud land,
in Antarctic geology and geophysics: Internat. Union
Treshnikov, A. F., 1963, Morphological description of
the Antarctic marginal seas: Trudy Sov. Antarctic
Exped., no. 17.

B.3.14 Antarctica: Sub-oceanic Stratigraphy and Pale-
oontology

Weaver, F. M., 1972, Pliocene paleoclimatic and paleo-
oglacial history of East Antarctica recorded in deep sea
piston cores: Florida State Univ. Sedimentological
Research Lab. Contr. no. 36, 142 p. (in press). (8)

B.3.14 Antarctica: Petrology and Igneous Geochemistry

Hamilton, Warren, 1961, Petrochemistry of probable Pala-
ozoic granitic rocks from the Ross sea region, Antarctica;

B.3.14 Antarctica: Sedimentary Processes, Sedimentary
Geochemistry and Studies of Certain Sedimentary
Regimes

Angino, E. E., and Andrews, R. S., 1968, Trace element
chemistry, heavy minerals, and sediment statistics of
Weddell Sea sediments: Jour. Sed. Petrology, v. 38,
no. 2, p. 634-642.
Bordovsky, O. K., 1968, Organic matter in the glacio-
marine sediments of the eastern Antarctic: Oceanology,
v. 8, no. 1, p. 54-60; English transl. of Okeanol.
mineralogy of ocean floor surface sediments adjacent
to the Antarctic Peninsula, Antarctica: Marine Geol-
Listizin, A. P., 1962, Antarctic bottom sediments, mar-
ine geology and coast dynamics: Akad. Nauk SSSR com-
issi Chemozologii Trudy, v. 10, no. 3.
Payne, R. R., and Conolly, J. R., 1972, Turbidite sedi-
mentation off the Antarctic continent, in Antarctic
geology II, The Australian-New Zealand Sector:
Antarctic Research Ser. no. 19, p. 349-364.
von der Borch, C. C., and Oliver, R. L., 1968, Comparison
of heavy minerals in marine sediments with mainland
rock outcrops along the coast of Antarctica between
longitudes of 40°E and 150°E: Sedimentary Geology,
v. 2, no. 1, p. 77-80.

B.3.14 Antarctica: Crust-Mantle Processes

of F. F. Evison, C. E. Ingham, R. H. Orr, and J. H. Le
Port, "Thickness of the earth's crust in Antarctica and
the surrounding oceans": Geophys. Jour., London, v. 6,
no. 3, p. 292-298.
Evison, F. F., 1963, Thickness of the earth's crust in
Antarctica and the surrounding oceans, a reply: Royal
Evison, F. F., Ingham, C. E., Orr, R. N., and others,
1960, Thickness of the earth's crust in Antarctica and

B.3.14 Antarctica: Seismicity

Hatherton, Trevor, 1961, A note on the seismicity of the
Ross sea region: Geophys. Jour., London, v. 5, no. 3,
p. 252-253.

B.3.14 Antarctica: Magnetism and Paleomagnetism

lies in the Weddell Sea and vicinity, Antarctica:
III. OCEANIC REGIONS

A. GREAT OCEAN BASINS

A.1 GEOLOGICAL AND GEOPHYSICAL STUDIES PERTINENT TO GEOLOGICAL HISTORY AND FRAMEWORK

A.1.1 Mixed Geography: General

Bedrosian, T. L., 1972, Deep sea drilling project: California Geol., v. 25, no. 4, p. 75-88.


Cita, M. B., 1972, Four years of perforating the ocean floors: Geol. Tec., v. 19, no. 3, p. 75-85 (in Italian).


JOIDES, DSDP Staff, 1968, JOIDES core description manual for users, core handling, and typical drilling-coring sequence for DSDP sites: Scripps Inst. Oceanog., 52 p. ($)

Lamont-Doherty Geological Observatory, 1972 (continuously updated), Catalog files of cores collected by the Deep Sea Drilling Project (from the Atlantic, Mediterranean, and Caribbean regions): Stored at the American deep-sea drilling program: Scripps Institution of Oceanography, 1972 (continously updated), Catalog files of cores collected by the Deep Sea Drilling Project (from the Pacific and Indian Oceans): Stored at the West Coast Repository at Scripps. ($)


A.1.1 Mixed Geography: Quaternary Geology and Surficial Sediments - Continued


A.1.1 Mixed Geography: Seismic or Multi-sensor Surveys

Columbia University, Lamont-Doherty Geological Observatory, 1971, Track charts of geophysical surveys conducted by the Lamont-Doherty Geological Observatory: Lamont-Doherty Geol. Observatory. (6)


Environmental Science Service Administration, 1968, R/V DISCOVERY seismic lines, East Caribbean and West Atlantic: Environmental Sci. Service Adm., 3 maps, 27 seismic lines. (8)(*)


Scripps Institution of Oceanography, 1972 (continually updated), Index charts of Scripps' cruise tracks for bathymetric, magnetic, seismic reflection and refraction surveys in the Pacific, Indian and Arctic Oceans: Available for inspection at the Geologic Data Center of Scripps Inst. Oceanog. (8)(*)


A.1.1 Mixed Geography: Gravity and Magnetic Surveys


Magata, T., Oguti, T., and Kakimura, S., 1961, Results of geomagnetic total force surveys over Southern Ocean, Indian Ocean and South China Sea: Japanese Antarctic Research Exped. 1, 2, and 3, 50 p. (8)(*)

National Geophysical Data Center, 1971, Geophysical data resulting from the systematic exploration and mapping program (SEAMAP): NOAA-Environmental Data Service, Natl. Geophys. Data Center Open files (charts and magnetic tapes). (8)(*)

Talwani, Manik, 1962, Gravity measurements on HMS ACHERON in south Atlantic and Indian Oceans: Geol. Soc. America Bull., v. 73, no. 9, p. 1171-1181.


1968, Marine geophysical survey program 65-67 western North Atlantic and eastern and central North Pacific Oceans, Area 6, volume 6, magnetics NE Pacific: U.S. Naval Oceanog. Office. SP96-6-6, Area 6, v. 6, 23 p. (8)(*)


A.1.2 Atlantic Ocean: General


Dikovsk'iy, V. Ya., Gervork'yian, V. Kh., Enevich, B. F., and others, 1967, Geological investigations during the 18th voyage of the scientific research vessel MIKHAIL LOMONOSOV; Geol. Zhur., v. 27, no. 2, p. 112-116 (in Russian).


A.1.2 Atlantic Ocean: General - Continued


A.1.2 Atlantic Ocean: Pre-Quaternary Geology


A.1.2 Atlantic Ocean: PRE-QUaternary Geology - Continued


Orlenok, V. V., 1968, Crustal structure of the north Atlantic according to seismic data: Okeanologiya, v. 8, no. 2, p. 245-256; English transl. in Oceanology, v. 8, no. 2, p. 194-202.


A.1.2 Atlantic Ocean: Quaternary Geology and Surficial Sediments

Academy of Sciences, USSR, 1969, Atlantic Ocean—physio-geographic, bathymetric, and bottom sediment maps: Acad. Sci. USSR, 13 sheets (1:20,000,000) and translator's notes.


Lisitsyn, A. P., ed., 1969, Atlanticheskii okean, Moskva, Glavnoe Upravlenie Geodezii i Kartografii pri Sovete Ministrov SSSR, 13 sheets (Scale 1:20,000,000).


A.1.2 Atlantic Ocean: Seismic or Multi-sensor Surveys—Continued


1967, Marine geophysical survey program 1965-1967--western North Atlantic and eastern and central Mediterranean Sea, area 1: Dallas, Tex., Texas Instruments, Inc. (§)(*)


1967, Marine geophysical survey program 1965-1967--North Atlantic Ocean, Norwegian Sea and Mediterranean Sea, area 4: Dallas, Tex., Texas Instruments Inc. (§)(*)


A.1.3 Indian Ocean: General


A.1.3 Indian Ocean: General - Continued


A.1.3 Indian Ocean: Pre-Quaternary Geology


A.1.3 Indian Ocean: Quaternary Geology and Surficial Sediments


Glauson, E. E., 1972, Evidence in Indian Ocean cores of Late Pleistocene, climatic changes: Palaeoecology Afr., v. 6, p. 41-44.


A.1.3 Indian Ocean: Seismic or Multi-sensor Surveys


A.1.3 Indian Ocean: Gravity and Magnetic Surveys


Matthews, D. H., and Loncarevic, B. D., 1963, Interna-

U.S. Naval Oceanographic Office, 1961, North Arabian

Arrhenius, Gustaf, 1961, Geological record on the ocean

Akademiya Nauk SSSR, Institut Okeanologii, 1965, Bottom

Sclater, J. G., Ritter, O., Milton, W., and others,

Burton, G. D., 1964, A marine magnetic survey of an

Raff, A. D., 1964, Magnetic data obtained by Scripps

A.I.4 Pacific Ocean: General

Akademiya Nauk SSSR, Institut Okeanologii, 1965, Bottom

Arrhenius, Gustaf, 1961, Geological record on the ocean

Arrhenius, Gustaf, Blomquist, N., and Nyberg, A., 1967,

Sediment cores from the East Pacific; v. 5 of Reports


Heath, G. R., and others, 1971, Preliminary results of JOIDES deep sea drilling project leg 16 in the eastern equatorial Pacific [abs.]: EOS (Am. Geophys. Union Trans.), v. 52, no. 4, p. 244.


A.1.4 Pacific Ocean: General - Continued


A.1.4 Pacific Ocean: General - Continued


A.1.4 Pacific Ocean: General - Continued


A.1.4 Pacific Ocean: Pre-Quaternary Geology


A.1.4 Pacific Ocean: Quaternary Geology and Surficial Sediments


Carson, Bobb, 1971, Stratigraphy and depositional history of Quaternary sediments in northern Cascadia basin and Juan de Fuca abyssal plain, northeast Pacific Ocean: Univ. Washington, Seattle, Ph.D. thesis. (8)


1969, Sub-bottom reflecting horizons and submarine physiography, North Pacific: Columbia Univ. Lamont Observatory, Palisades, N.Y., map. (8)


A.1.4 Pacific Ocean: Quaternary Geology and Surficial Sediments – Continued


A.1.4 Pacific Ocean: Seismic or Multi-sensor Surveys


Scripps Institution of Oceanography, 1968, Scripps magnetic, seismic, heat flow and temperature data from ARGO-CINCE expedition, leg II Hawaii – Philippines: Scripps Inst. Oceanog. (¥)


Toloma, Yoshibumi, ed., 1968, Preliminary report of the HAKUNA MARU cruise KH 68-3: Ocean Research Inst. (¥)


A.1.4 Pacific Ocean: Gravity and Magnetic Surveys


A.1.4 Pacific Ocean: Gravity and Magnetics Surveys - Continued


National Ocean Survey of the National Oceans and Atmospheric Administration, 1972 (periodically updated), Geophysical map index of project SEAMAP (bathymetric, gravity and magnetic maps of selected areas of the Pacific (scale 1:1,000,000)): Available from the Distrib. Div. (C44), Natl. Ocean Survey of NOAA, 6501 Lafayette Avenue, Riverdale, Md. 20380; the original survey data on magnetic tape available from the Natl. Geophys. and Terrestrial Data Center, Washington, D.C. 20235. (8) (*)


Tomoda, Yoshihumi, 1967, Continuous measurement of gravity and magnetic force in the 4th southern sea expedition of the UNITAKAMARU: La Mer, v. 5, p. 175-205.


A.1.5 Arctic Ocean: General


A.1.5 Arctic Ocean: General

Trattin, H. P., 1971, Detailed geophysical studies needed in offshore region of Canada basin; Sverdrup basin history, pt. II: Oil and Gas Jour., v. 69, no. 42, p. 96-105.

A.1.5 Arctic Ocean: Pre-Quaternary Geology


1970, Canada basin - speculations on origin: Oil and Gas Jour., v. 68, no. 16, p. 186-196.


Saks, V. M., 1960, The geological history of the Arctic Ocean throughout the Mesozoic era, in Mezhdunarodny geologicheskiy kongress, Doklady sovetskikh geologov, probl. 12, Moskva, Gosgeol tekhisdat.


A.1.5 Arctic Ocean: Quaternary Geology and Surficial Sediments


Chishov, O. P., 1970, Changes in the state of the Arctic basin since the period of the last maximum freezing, in Tolmachev, A., ed., The Arctic Ocean in the Cenozoic and the Quaternary: Gidrometeorologicheskoe Izdatel'stvo, Leningrad, p. 71-75.


A.1.5 Arctic Ocean: Quaternary Geology and Surficial Sediments - Continued


A.1.5 Arctic Ocean: Seismic or Multi-sensor Surveys


A.1.5 Arctic Ocean: Gravity and Magnetic Surveys


A.1.6 Southern Oceans: General


Meesen, B. C., 1970, Tectonic control of Antarctic deep-sea bathymetry: Antarctic Jour., v. 5, no. 5, p. 188.
A.1.6 Southern Oceans: Pre-Quaternary Geology


Vaakhilov, Yu. Ta., and Stroyev, P. A., 1972, Structural features of the Antarctic Ocean and Antarctica, based on gravimetric data: Antarktika, no. 11, p. 73-83 (in Russian).

A.1.6 Southern Oceans: Quaternary Geology and Surficial Sediments


Hays, J. D., 1969, Climatic record of Late Cenozoic Antarctic ocean sediments related to the record of world climate: Palaeoecology of Africa and of the Surrounding Islands and Antarctica, v. 5, p. 139.


A.1.6 Southern Oceans: Seismic and Multi-sensor Survey


A.1.6 Southern Oceans: Gravity Survey


A.2. MINERAL RESOURCES

A.2.1 Mixed Geography: General

A.2.1 Mixed Geography: Ferromanganese Modules and Crusts - Continued


1968, Deep sea manganese nodules—from scientific phenomenon to world resource: Nat. Resources Jour., v. 6, no. 3, p. 401-423.


Cruickshank, M. J., 1972, A compilation of station positions and analyses of manganese nodules in table form: Unpublished manuscript, about 50 p. (#)


A.2.1 Mixed Geography: Ferromanganese Nodules and Crusts - Continued


1971, Rate of iron and some trace elements (Cu, Ni, Co, etc.) in the bacterial reduction of manganic oxide in ferromanganese nodules: Presented at 71st Ann. Mtg., Am. Soc. for Microbiology, Minneapolis, Minn., p. 1-5.


Fraser, F. W., and Ostwald, J., 1970, Chemical and mineralogical investigations on a suite of deep-sea manganese nodules: Central Research Labs., Broken Hill Proprietary Co., Ltd. (f)


Fuerstenau, D. W., 1966, Metal recovery from manganese nodules: California Univ., Berkeley. (f)


Halbach, Peter, 1971, Concretionary deposits as mineral resources of the sea: Bergbaumaiss., Verfahrenstechn., Bergbau Huettenwes., v. 18, no. 7, p. 221-227 (in German with English sum.);

Han, K. H., 1971, Geochemistry and extraction of metals from ocean floor manganese nodules: California Univ., Berkeley, Ph.D. thesis, 212 p. (f)


1971, Deep-sea ores: Pt. 2. The future phases of mineral prospecting and exploration: Sonderdruck aus Huettenwis., v. 2, no. 5 (in German with English abs.).

1971, Manganese concretions from the deep sea; a possible source of supply for future needs of nonferrous metals: Bergbaumaiss., Verfahrenstechn. Bergbau Huettenwes., v. 18, no. 2, p. 46-52 (in German).


A.2.1 Mixed Geography: Ferromanganese Modules and Crusts - Continued


Kraft, Louis, 1969, "Modular" riches on the ocean floor: S.A. Mining and Engineering Jour., v. 80, no. 3975, p. 815-816.


1968, A proposal for a sea floor nodule mining operation: Ocean Resources, Inc.


National Oceanographic Data Center, 1971, Listing of bottom sediment sampling information for all samples which indicate manganese in the surface sediment description: Natl. Oceanogr. Data Center, 55 p. (#)


Numata, Teizo, 1968, Soon we may sweep the sea floor for valuable minerals: Mining Geol. (Soc. Mining Geol. Japan), v. 18, no. 88-89, p. 69-78 (in Japanese with English summ.)
A.2.1 Mixed Geography: Ferromanganese Nodules and Crusts - Continued


A.2.1 Mixed Geography: Ferromanganese Nodules and Crusts - Continued


A.2.2 Atlantic Ocean: Ferromanganese Nodules and Crusts


A.2.3 Indian Ocean: Ferromanganese Nodules and Crusts - Continued


A.2.4 Pacific Ocean: General


A.2.4 Pacific Ocean: Petroleum Geology Research


A.2.4 Pacific Ocean: Phosphorites


D'Anglejan, B. P., 1968, Phosphate diagenesis of carbonate sediments as a mode of in situ formation of marine phosphorites; observations in a core from the eastern Pacific: Canadian Jour. Earth Sci., v. 5, no. 1, p. 81-87.

A.2.4 Pacific Ocean: Ferromanganese Nodules and Crusts


Bonatti, Enrico, (no date), Deep sea iron deposit from the South Pacific: Unpublished manuscript, p. 1-7. (f)


A.2.4 Pacific Ocean: Ferromanganese Modules and Crusts - Continued


Ewing, Maurice, Sullivan, L., Atten, T., and others, 1971, Surface distribution of manganese nodules and crusts in the Pacific Ocean (based on bottom photographs): Lamont-Doherty Geol. Obs., Columbia Univ., Palisades, N.Y., chart, scale 1:45,000,000.


Friedrich, Gunther, 1969, Manganese concretions from the ocean floors with special emphasis on the Pacific Ocean (with discussion), in Manganerzliegerstasen und ihre wirtschaftliche Bedeutung: Ges. Dtsch. Metallhuetten- und Bergleute. Schr., no. 52, p. 67-80 (in German).

Friedrich, Gunther, Rosner, Bernard, and Demirsoy, Selcuk, 1969, Ora microscopic and microanalysis of manganese concretions from the Pacific Ocean: Miner. Deposita, v. 4, no. 3, p. 298-307 (in German with English summ.).


Horn, D. R., Ewing, Maurice, Horn, B. M., and others, 1971, Surface distribution of manganese nodules in the Pacific Ocean (based on deep-sea cores): Lamont-Doherty Geol. Obs., Columbia Univ., Palisades, N.Y., chart, scale 1:45,000,000. ($)n


Menard, H. W., Goldberg, E. D., and Hawkes, H. E., 1964, Composition of Pacific sea-floor manganese nodules: Scripps Inst. Oceanography, unpublished manuscript. ($)n


207
A.2.4 Pacific Ocean: Ferromanganese Nodules and Crusts - Continued


A.2.4 Pacific Ocean: Ferromanganese Nodules and Crusts - Continued


A.2.4 Pacific Ocean: Metalliferous Sediments and Hot Metalliferous Springs


A.2.5 Arctic Ocean: General


A.2.5 Arctic Ocean: Ferromanganese Nodules and Crusts


A.2.6 Southern Oceans: Ferromanganese Nodules and Crusts


A.3 TOPICAL RESEARCH

A.3.1 Mixed Geography: General


1964, Physiographic diagram of the Indian Ocean, the Red Sea, the South China Sea, the Sulu Sea and the Celebes Sea: Geol. Soc. America.

Simpson, E. S. W., and Forder, Erica, 1969, Southeast Submarine Topography/Geomorphology


A.3.1 Mixed Geography; Sub-oceanic Stratigraphy and Paleontology - Continued


Obe Tamanichi, 1972, 180/146 paleotemperatures: Tohoku Univ. Inst. Geol. Paleontol. Contr. no. 73, p. 139-145.


Thompson, P. R., 1972, Planktonic foraminiferal biostratigraphy of Oligocene deep-sea piston cores (middle latitude Atlantic and Pacific Ocean): Rutgers Univ. M.S. thesis (i)


A.3.1 Mixed Geography; Geochronology


A.3.1 Mixed Geography; Petrology, Igneous Geochemistry and Metallogenesis


Christensen, N. I., 1972, The abundance of serpentinites in the oceanic crust: Jour. Geology, v. 80, no. 6, p. 709-719.


A.3.1 Mixed Geography; Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


A.3.1 Mixed Geography: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes - Continued

Cronan, D. S., 1964, Minor element and isotope studies in pelagic sediments: Oxford Univ., Diploma in Geochemistry. (6)

1969, Chemical and mineralogical variations with depth in manganese nodules [abs.]: EOS (Am. Geophys. Union Trans.), v. 50, no. 4, p. 209.


Horn, D. R., Ewing, J. I., and Ewing, Maurice, 1972,
Lisitsyn, A. P., 1971, The rate of recent sedimentation
Kuznetsov, V., 1969, Rate of recent sedimentation in the
Jacobs, M. B., and Ewing, Maurice, 1969, Suspended particulate matter; concentration in the major oceans:
Kuznetsov, V., 1969, Rate of recent sedimentation in the ocean: Geokhiniia, v. 3, p. 251-260 (in Russian with English summ.).
Watkins, N. D., and Kennett, J. P., 1972, Regional sedimentary disconformities and upper Cenozoic changes in bottom water velocities between Australasia and Antarctica, in Antarctica oceanology II; the Australian New Zealand sector: Antarctic Res. Ser., no. 19, p. 273-293.
A.3.1 Mixed Geography: Crust-Mantle Processes
A.3.1 Mixed Geography: Crust-Mantle Processes - Continued


A.3.1 Mixed Geography: Seismicity

A.3.1 Mixed Geography: Palaeomagnetism – Continued


A.3.1 Mixed Geography: Heat Flow


A.3.1 Mixed Geography: Magnetism and Paleomagnetism (see also Crust-Mantle Processes)


A.3.2 Atlantic Ocean: General


A.3.2 Atlantic Ocean: Submarine Topography/Geomorphology


A.3.2 Atlantic Ocean: Submarine Topography/Geomorphology - Continued

A.3.2 Atlantic Ocean: Sub-oceanic Stratigraphy and Paleontology


Gartner, Stefan, Jr., 1969, Correlation of Neogene planktonic Foraminifera and calcareous nannofossil zones: Gulf Coast Assoc. Geol. Soc. Trans., v. 19, p. 585-599.


A.3.2 Atlantic Ocean: Sub-oceanic Stratigraphy and Paleontology - Continued


A.3.2 Atlantic Ocean: Geochronology


A.3.2 Atlantic Ocean: Petrology, Igneous Geochemistry and Metallogenesis


——— 1969, Palygorskite from the deep sea; a reply: Am. Mineralogist, v. 54, no. 3-4, p. 568.


A.3.2 Atlantic Ocean: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


Glass, B. P., 1969, Reworking of deep-sea sediments as indicated by the vertical dispersion of the Australian and Ivory Coast microfossilite horizons [abs.]: EOS (Am. Geophys. Union Trans.), v. 50, no. 4, p. 197.


A.3.2 Atlantic Ocean: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes - Continued


A.3.2 Atlantic Ocean: Crust-Mantle Processes


Friend, Peter, 1969, Old Red land of the Atlantic: Geog. Mag., v. 41, no. 9, p. 689-694.


A.3.2 Atlantic Ocean: Crust-Mantle Processes - Continued


A.3.2 Atlantic Ocean: Crust-Mantle Processes - Continued


Wilson, J. T., 1966, Did the Atlantic close and then re-open?: Nature, v. 211, no. 5050, p. 676-681.


Wright, J. B., 1968, South Atlantic continental drift and the Benue trough: Tectonophysics, v. 6, no. 4, p. 301-310.


A.3.2 Atlantic Ocean: Seismicity


A.3.2 Atlantic Ocean: Seismology and Paleoseismology

[See also Crust-Mantle Processes]


A.3.2 Atlantic Ocean: Magnetism and Palaeomagnetism (See also Crust-Mantle Processes) - Continued


A.3.3 Indian Ocean: General


A.3.3 Indian Ocean: Submarine Topography/Geomorphology


Fisher, R. L., 1968, Bathymetry of the eastern Indian Ocean: Scrippa Inst. Oceanogr., scale 1:2,000,000. (§)


U.S. Naval Oceanographic Office, 1965, Bathymetry chart, southwest Indian Ocean: U.S. Naval Oceanogr. Office, 3 sheets (2 maps, scale 1:4,000,000, 1 map scale 1:2,000,000).


A.3.3 Indian Ocean: Sub-oceanic Stratigraphy and Paleontology

Harding, J. D., 1972, Analysis of planktonic foraminifera and clay mineralogy of Core v14-95, equatorial Indian Ocean: Duke Univ. M.S. thesis. (§)


A.3.3 Indian Ocean: Petrology, Igneous Geochemistry and Metallogenesis


A.3.3 Indian Ocean: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


A.3.3 Indian Ocean: Crust-Mantle Processes


A.3.3 Indian Ocean: Crust-Mantle Processes - Continued


A.3.3 Indian Ocean: Seismicity


A.3.3 Indian Ocean: Heat Flow and Paleo-heat Flow


A.3.3 Indian Ocean: Magnetism and Paleomagnetism (See also Crust-Mantle Processes)


A.3.4 Pacific Ocean: General


A.3.4 Pacific Ocean: Submarine Topography/Geoaorphology


A.3.4 Pacific Ocean: Submarine Topography/Geomorphology - Continued

Kaneve, V. P., 1960, New data on the bottom relief of the western part of the Pacific Ocean: Oceanological Researches, v. 2, p. 31-44 (in Russian).


U.S.S.R. Central Board of Geodesy and Cartography, 1964, Bathymetric map of the Pacific: Moscow, Acad. Sci. USSR, 6 sheets, scale 1:10,000,000 (for description, see Udintsev, G. B., and others, 1963).


A.3.4 Pacific Ocean: Sub-oceanic Stratigraphy and Paleontology


Casey, R. E., 1972, Moogene radiolarian biostratigraphy and paleotemperatures; southern California, the experimental Mohole, Antarctic core E 14-6, in Eastern Pacific planktonic biostratigraphy and paleoecology: Paleogeogr. Palaeoclimatol. Palaeocool., v. 12, no. 1-2, p. 115-130.


Gainanov, A. G., and Petelin, V. P., 1963, On the physical characteristics of some bottom and coastal rocks in the western part of the Pacific, in Oceanological researches; no. 8, Results of researches on the program of the IGY: Akad. Nauk SSSR, Moscow, p. 111-124.

Iitsikon, M. I., and Berger, V. I., 1972, Metalogical analysis of the eastern Asiatic and Alaskan-Canadian part of the northern Pacific Ocean belt: Sovetskaya Geologiya, no. 5, p. 38-48 (in Russian).


A.3.4 Pacific Ocean: Sedimentary Processes, Sedimentary Geochemistry and studies of Certain Sedimentary Regimes - Continued


Rotschi, H., and Jarrige, F., 1968, Sur le renforcement d'un upwelling equatorial: Cahiers O.R.S.T.O.M. Oceanographie, v. 6, no. 3-4, p. 87-90 (with English sum.);


A.3.4 Pacific Ocean: Geochemistry


A.3.4 Pacific Ocean: Geochronology - Continued


A.3.4 Pacific Ocean: Crust-Mantle Processes


A.3.4 Pacific Ocean: Crust-Mantle Processes - Continued


A.3.4 Pacific Ocean: Crust-Mantle Processes - Continued


230
A.3.4 Pacific Ocean: Crust-Mantle Processes - Continued


1972, Geophysics of the ocean floor; geophysical investigations of the Pacific Ocean floor: Tokyo Univ. Press (in Japanese).


A.3.4 Pacific Ocean: Seismicity - Continued


A.3.4 Pacific Ocean: Heat Flow and Paleo-heat Flow


A.3.4 Pacific Ocean: Magnetism and Paleomagnetism (See also Crust-Mantle Processes)


Lumb, J. T., and Carrington, L., 1971, Magnetic surveys in the south-west Pacific and rock sampling for magnetic studies in the Cook Islands, in Fraser, Ronald, ed., Cook Bicentenary Expedition in the South-west Pacific: Royal Soc. New Zealand Bull., no. 8, p. 81-89.
A.3.4 Pacific Ocean: Magnetic anomalies and Palaeomagnetism

[See also Crust-Mantle Processes - Continued]


Theys, Fritz, 1972, Paleomagnetism and planktonic zonation of Late Neogene subantarctic cores: Antarctic Jour., v. 7, no. 1, p. 195-197.


A.3.5 Arctic Ocean: General


Klenova, M. V., 1962, The Arctic Basin sediments according to data of the drift of the icebreaker G. Sedov: Moskva, Izd. AN SSSR.

A.3.5 Arctic Ocean: Submarine Topography/Geomorphology


A.3.5 Arctic Ocean: Sub-oceanic Stratigraphy and Paleontology

Rout, R. R., 1972, Globigerina pachyderma and Globigerina subglobulosa in late Cenozoic sediment of the Arctic Ocean: Wisconsin Univ., Madison, M.S. thesis. (*)


A.3.5 Arctic Ocean: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


A.3.5 Arctic Ocean: Crust-Mantle Processes


A.3.5 Arctic Ocean: Crust-Mantle Processes - Continued


1966, Results of a study of the geological structure of the earth's crust in the central Arctic by geophysical means, in Ostenso, N. A., ed., Arctic Institute of North America, May 1966, p. K3-K10; English transl. of Problems of the Arctic and Antarctic, no. 11, Leningrad (Special issue commemorating the 25th anniversary of drift station North Pole-1, 1962.)


A.3.5 Arctic Ocean: Crust-Mantle Processes - Continued


A.3.5 Arctic Ocean: Seismology


A.3.5 Arctic Ocean: Heat Flow and Paleo-heat Flow


A.3.5 Arctic Ocean: Magnetism and Paleomagnetism

(See also Crust-Mantle Processes)


A.3.6 Southern Oceans: General


A.3.6 Southern Oceans: Sub-oceanic Stratigraphy and Paleontology

1972, Neogene genus Trinacria as a stratigraphic marker in southern ocean sediments: Antarctic Jour., v. 7, no. 5, p. 198.


A.3.5 Arctic Ocean: Heat Flow and Paleo-heat Flow


A.3.5 Arctic Ocean: Magnetism and Paleomagnetism

(See also Crust-Mantle Processes)


A.3.6 Southern Oceans: General


A.3.6 Southern Oceans: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes - Continued


A.3.6 Southern Oceans: Crust-Mantle Processes


A.3.6 Southern Oceans: Magnetism and Paleomagnetism (See Also Crust-Mantle Processes


III. OCEANIC REGIONS

B. MID-OCEANIC RIDGES, RIFTS AND FRACTURE ZONES
(see also III.A. GREAT OCEAN BASINS and III.C. SMALL OCEAN BASINS, mainly Crust-Mantle Processes)

B.1 Mixed Geography


8.1 Mixed Geography - continued


B.1 Mixed Geography - continued


, 1971, Mid-oceanic ridges and global tectonics of the earth: Umschau, v. 71, no. 6, p. 185-190 (in German).


B.2 Atlantic Ocean (includes Caribbean)


Bhatnacharya, P. J., 1970, The mid-Atlantic ridge near 45°N; Analysis of Bathymetric and Magnetic Data: Dalhousie Univ., Doctoral. (8)


B.2 Atlantic Ocean (includes Caribbean) - continued


B.2 Atlantic Ocean (includes Caribbean) - continued


241
B.2 Atlantic Ocean (includes Caribbean) - continued


B.2 Atlantic Ocean (includes Caribbean) - continued


Miyashiro, Akiho, Shido, Fumiko, and Ewing, Maurice, 1972, Composition and origin of abyssal tholeiite from the Mid-Atlantic ridge near 24° and 30° North latitude: Contr. Mineralogy and Petrology, v. 23, p. 117-127.


Muir, I. D., and Tilley, C. E., 1964, Basalts from the northern part of the rift zone of the Mid-Atlantic ridge: Jour. of Petrology, v. 5, no. 3, p. 409-433.


Pfennetast, Max, 1961, Der nördliche teil des mittelatlantischen Rucken: Geog. Rundschau Jg. 13, no. 3, p. 87-92.


Atlantic Ocean (includes Caribbean) — continued


B.2 Atlantic Ocean (includes Caribbean) — continued


B.3 Middle East and African Rifts - continued


____, 1970, Catalog of chemical analyses of rocks from the intersection of the African, Gulf of Aden, and Red Sea rift systems: Smithsonian Contributions to the Earth Sciences, no. 2. 6 numbered p. of introductory and explanatory material plus pages of rock analyses not numbered. (ff)


B.4 Indian Ocean


Chernysheva, V. I., 1969, Ultrabasite and gabbro from the rift zones of the Arabian-Indian and Western Indian underwater ridges: Oceanology, USSR, v. 9, no. 4, p. 519-528.


B.3 Middle East and African Rifts - continued


B.4 Indian Ocean - continued


B.5 Pacific Ocean


B.5 Pacific Ocean - continued


Dehlinger, Peter, 1969, Synthesis of geophysical results in the Juan de Fuca and Gorda Ridge areas (northeast Pacific Ocean) [abs.]: EOS (Am. Geophys. Union, Trans.), v. 50, no. 4, p. 186.


B.5 Pacific Ocean - continued


B.5 Pacific Ocean - continued


Moore, F., and Malandano-Koerald, M., 1961, Penecontemporaneous tectonics along the Mexican Pacific Ocean coast: Geofisica Internacion., v. 1, p. 3-19.


B.5 Pacific Ocean - continued


B.6 Arctic Ocean


B.7 Southern Oceans


III. OCEANIC REGIONS

C. SMALL OCEAN BASINS (see also III.D, ISLAND ARCS AND TRENCHES)

C.1 GEOLOGICAL AND GEOPHYSICAL STUDIES PERTINENT TO GEOLOGICAL HISTORY AND FRAMEWORK

C.1.1 Mixed Geography: General


C.1.1 Mixed Geography: Pre-Quaternary Geology


C.1.1 Mixed Geography: Quaternary Geology and Surficial Sediments


Rothwell, W. T., Jr., 1970, Late Neogene geologic events in common between the Caribbean and the Gulf of Mexico [Abs.]: Geol. Soc. America Abstr., v. 2, no. 4, p. 300-301.


C.1.1 Mixed Geography: Seismic or Multi-sensor Surveys


C.1.2 Baffin Bay and Labrador Sea: General


C.1.2 Baffin Bay and Labrador Sea: Pre-Quaternary Geology


C.I.2 Baffin Bay and Labrador Sea: Pre-Quaternary Geology - Continued


C.I.2 Baffin Bay and Labrador Sea: Seismic and Multi-sensor Surveys


C.I.2 Baffin Bay and Labrador Sea: Gravity and Magnetic Surveys


C.I.3 Gulf of Mexico: General


C.I.3 Gulf of Mexico: Pre-Quaternary Geology


C.1.3 Gulf of Mexico: Pre-Quaternary Geology - Continued


C.1.3 Gulf of Mexico: Seismic or Multi-sensor Surveys—Continued


C.1.3 Gulf of Mexico: Gravity and Magnetic Surveys


C.1.4 Caribbean Sea: Pre-Quaternary Geology


C.1.4 Caribbean Sea: Pre-Quaternary Geology - Continued


1972, Les unités structurales du bassin des Cara­


Dango, Gabriel, 1969, Problems of tectonic relations be­

tween Central America and the Caribbean: Gulf Coast Assoc. Geol. Soc. Trans., v. 19, p. 311-320.

Donnelly, T. W., Crane, D., and Burkart, B., 1969, Geo­

logic history of the landward extension of the Bart­


Eaton, J. F., and Driver, E. S., 1969, Geophysical inves­

tigation in the eastern Caribbean: Curacao ridge to Barbados [abs.]: Am. Geophys. Union Trans., v. 50, no. 4, p. 208.


Edgar, N. T., Ewing, J. I., and Hannion, J., 1971, Seis­


Edgar, N. T., Saunders, J. B., Donnelly, T. W., and others, 1971, Deep Sea Drilling Project; Leg 15: Geo­
times, v. 16, no. 4, p. 12-16.


Hurlay, R. J., 1966, Geological studies of the West In­


Talwani, Manik, and Ewing, Maurice, 1966, A continuous gravity profile over the Sigabee Knolls: Jour. Geo­

physics, v. 71, no. 18, p. 4434-4439.


C.1.4 Caribbean Sea: Quaternary Geology and Surficial Sediments


C.1.4 Caribbean Sea: Seismic or Multi-sensor Surveys

C.I.4 Caribbean Sea: Seismic or Multi-sensor Surveys—Continued


1971, Co-operative investigation of the Caribbean and adjacent regions (CICAR) programs for 1970: 30 p. (8)

Cook, E. E., 1967, Geophysical reconnaissance in the CIGAR, 1970, Research in the Central American Sea

Hess, H. H., 1966, Caribbean seismic profiles: Prince-

Dennis, L. S., and Gunn, C. L., 1963, Special aeromagnetic


C.I.4 Caribbean Sea: Magnetic Survey

C.I.5 Mediterranean Sea: General


C.1.5 Mediterranean Sea: General - Continued


Faucot, Guy, 1972, And had the Mediterranean been dry... Sci. Progr. Découvertes, no. 3463, p. 240-47 (in French with English sum.).


C.1.5 Mediterranean Sea: Pre-Quaternary Geology


Cornet, Cécile, 1968, The median trough (zone A) in the western Mediterranean may be Pontian: Soc. Geol. France Comptes Rendu, no. 5, p. 149-150 (in French).


1969, Structures in the Mediterranean: Ocean Ind., v. 4, no. 7, p. 50-54.


Mediterranean Sea: Pre-Quaternary Geology

Continued


C.1.5 Mediterranean Sea: Quaternary Geology and Surficial Sediments

C.1.5 Mediterranean Sea: Quaternary Geology and Surficial Sediments - Continued


Leclaire, Lucien, 1972, Pre-Wurm interstadial periods in the western Mediterranean: Jour. Geology, v. 80, no. 6, p. 633-662.


Leclaire, Lucien, 1972, Pre-Wurm interstadial periods in the western Mediterranean: Jour. Geology, v. 80, no. 6, p. 633-662.


Leclaire, Lucien, 1972, Pre-Wurm interstadial periods in the western Mediterranean: Jour. Geology, v. 80, no. 6, p. 633-662.


Leclaire, Lucien, 1972, Pre-Wurm interstadial periods in the western Mediterranean: Jour. Geology, v. 80, no. 6, p. 633-662.


Leclaire, Lucien, 1972, Pre-Wurm interstadial periods in the western Mediterranean: Jour. Geology, v. 80, no. 6, p. 633-662.


Leclaire, Lucien, 1972, Pre-Wurm interstadial periods in the western Mediterranean: Jour. Geology, v. 80, no. 6, p. 633-662.


C.1.6 Black Sea (includes surrounding margins): General - Continued


Muratov, M. V., 1972, History of the development of the deep-water trough of the Black Sea as compared with those of the Mediterranean: Geotectonics, no. 5, p. 269-278.


C.1.6 Black Sea (includes surrounding margins): Pre-Quaternary Geology


Banu, A. C., 1971, Black Sea: origin, evolution, and present characteristics: Terra (Soc. Stiinte Geog. Rom.), v. 3 (23), no. 6, p. 25-41 (with English sum.)


C.1.6 Black Sea (includes surrounding margins): Pre-Quaternary Geology - Continued


C.1.6 Black Sea (includes surrounding margins); Seismic or Multi-sensor Surveys


C.1.7 Caspian and Aral Seas (includes surrounding margins); General


C.1.7 Caspian and Aral Seas (includes surrounding margins): Pre-Quaternary Geology


C.1.7 Caspian and Aral Seas (includes surrounding margins); Quaternary Geology and Surficial Sediments

C.1.8 Red Sea: Pre-Quaternary Geology - Continued


C.1.8 Red Sea: Quaternary Geology


C.1.8 Red Sea: Seismic Survey


C.1.8 Red Sea: Gravity and Magnetic Surveys


C.1.9 Andaman Sea: General


--- 1970, Geology of Andaman basin and Burma; further comments: Geol. Soc. America Bull., v. 81, no. 6, p. 1851-1853.

C.1.9 Andaman Sea: Pre-Quaternary Geology


C.1.9 Andaman Sea: Quaternary Geology and Surficial Sediments


C.1.10 South China Sea: Pre-Quaternary Geology


C.1.10 South China Sea: Seismic or Multisensor Surveys


Hunt, F. V., 1969, Seismic reflection analogs and track charts, South China Sea: Natl. Oceanog. Data Center, Accession no. 70-1347, 1 reel microfilm. (#)

C.1.11 Celebes and Sulu Seas: General


C.1.11 Celebes and Sulu Seas: Pre-Quaternary Geology


C.1.13 Japan Sea: General


C.1.13 Japan Sea: General - Continued


C.1.13 Japan Sea: Pre-Quaternary Geology


C.1.13 Japan Sea: Quaternary Geology and Surficial Sediments

C.1.13 Japan Sea: Quaternary Geology and Surficial Sediments - Continued


C.1.13 Japan Sea: Seismic or Multi-sensor Surveys

Lamont-Doherty Geological Observatory, 1969, Buoy seismic section, Sea of Japan: Lamont-Doherty Geol. Observ., unpublished seismic reflection data, 30 photos. (8) (*)


C.1.13 Japan Sea: Gravity and Magnetic Surveys


C.1.14 Okhotsk Sea: General

Andreyev, A. A., and Gorbenko, V. I., 1969, Results of


1971, Sediments and some aspect of geological development of the Kuril Basin (the Okhotsk Sea), in Asano, Shuzo, and Udintaev, G. B., eds., Island arc and marginal sea: Tokyo, Tokai Univ. Press, p. 171-176 (in Japanese with English abs.).

C.1.14 Okhotsk Sea: Pre-Quaternary Geology


C.1.14 Okhotsk Sea: Quaternary Geology


C.1.14 Okhotsk Sea: Magnetic Surveys


C.1.15 Aleutian and Kamchatka Basins (in Bering Sea): General


C.1.15 Aleutian and Kamchatka Basins (in Bering Sea): Pre-Quaternary Geology

C.1.15 Aleutian and Kamchatka Basins (in Bering Sea): Pre-Quaternary Geology - Continued


Scholl, D. W., Creager, J. S., and others, 1972, JODES Leg 19, Northwest Pacific and Bering Sea: significant findings: Geol. Soc. America Abs. with Programs, v. 4, no. 3, p. 232 (abs.).


C.1.15 Aleutian and Kamchatka Basins (in Bering Sea): Quaternary Geology and Surficial Sediments


C.1.16 Gulf of California: General

C.1.16 Gulf of California: General - Continued


C.1.16 Gulf of California: Pre-Quaternary Geology


C.1.16 Gulf of California: Quaternary Geology and Surficial Sediments


C.1.16 Gulf of California: Seismic or Multi-sensor Surveys


C.1.17 Basins in the SW Pacific (Coral, Tasman and Fiji Basins): Preliminary Geology


C.1.18 Scotia Sea: General - Continued


C.1.18 Scotia Sea: Pre-Quaternary Geology


C.1.18 Scotia Sea: Quaternary Geology and Surficial Sediments


C.1.18 Scotia Sea: Magnetic Survey


C.2 MINERAL RESOURCES

C.2.1 Mixed Geography: General


C.2.1 Mixed Geography: Petroleum


C.2.1 Mixed Geography: Metalliferous Sediments and Hot Metalliferous Brines


C.2.2 Gulf of Mexico: Petroleum Geology Research (see also II.B.2 CONTINENTAL SHELF, SLOPE AND RISE of Mexico and United States).


Beall, A. C., Jr., 1969, Deep-sea drilling project throws new light on Gulf sedimentation: Oil and Gas Jour., v. 67, no. 48, p. 94-97, 100, 104-105, 107-109.


1969, Hydrocarbon province in the Gulf of Mexico?: Oil and Gas Jour., v. 67, no. 2, p. 126-128.


Walker, J. R., and Garrison, L. E., 1969, Now far offshore is the oil: Oil and Gas Jour., v. 67, no. 48, p. 88-93.

C.2.2 Gulf of Mexico: Sulfur, Potash, Halite and other Soluble Salts (see also II.B.2 CONTINENTAL SHELF, SLOPE AND RISE of Mexico and United States).


C.2.3 Caribbean Sea: Petroleum Geology Research (see also II.B.2 CONTINENTAL SHELF, SLOPE AND RISE of South and Central America).

Emery, K. O., and Uchupi, Elazar, 1972, Caribe's oil potential is boundless: Oil and Gas Jour., v. 70, no. 50, p. 156, 158, 160, 162.

C.2.4 Mediterranean Sea: Petroleum Geology Research (see also II.B.2 CONTINENTAL SHELF, SLOPE AND RISE of Western Europe).

C.2.4 Mediterranean Sea: Petroleum Geology Research
(see also II.B.2 CONTINENTAL SHELF, SLOPE AND RISE OF Western Europe) - Continued


C.2.4 Mediterranean Sea: Metaliferous Sediments


C.2.5 Black Sea (includes surrounding margins): Ferromanganese Nodules and Pellets


C.2.6 Caspian and Aral Seas (includes surrounding margins): Petroleum

C.2.6 Caspian and Aral Seas (includes surrounding margin): Petroleum - Continued


C.2.7 Red Sea (includes Dead Sea): Petroleum Geology Research (see also II.B.2 CONTINENTAL SHELF, SLOPE AND RISE of Middle East).


C.2.7 Red Sea: Metalliferous Sediments and Hot Metalliferous Brines - Continued


C.2.8 Japan Sea: General


C.3 TOPICAL RESEARCH

C.3.1 Mixed Geography: General


C.3.1 Mixed Geography: Submarine Topography/Geomorphology


C.3.1 Mixed Geography: Sub-oceanic Stratigraphy/Paleontology


C.3.1 Mixed Geography: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Environments

C.3 Mixed Geography: Heat Flow - Continued


C.3.2 Baffin Bay and Labrador Sea: Crust-Mantle Processes


C.3.2 Baffin Bay and Labrador Sea: Heat Flow


C.3.3 Gulf of Mexico: General


C.3.3 Gulf of Mexico: Submarine Topography/Geomorphology

Belousov, I. I., 1970, Some geomorphological features of the southern part of the Gulf of Mexico and the Cuban region, in Oceanologicheskii isledovaniya, Sbornik statey: no. 20, Razutl'ciy isledovaniy po meshudumorodnym geofizicheskim proektam: Moscow, Izdatel'stvo "Nauka", p. 11-21 (in Russian with English abs.).


C.3.3 Gulf of Mexico: Sub-oceanic Stratigraphy and Paleontology


C.3.3 Gulf of Mexico: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


C.3.3 Gulf of Mexico: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Re-Continued


C.3.3 Gulf of Mexico: Crust-Mantle Processes


C.3.4 Caribbean Sea: Petrology


Bostrom, Kurt, and Bonatti, Enrico, 1969, Geochemistry of some deep sea sediment cores from the Caribbean Sea (abs.): EOS (Am. Geophys. Union Trans.), v. 50, no. 4, p. 239.


Fink, L. K., Jr., 1971, Evidence in the eastern Caribbean for mid-Cenozoic cessation of sea-floor spreading (abs.): EOS (Am. Geophys. Union Trans.), v. 52, no. 4, p. 251.
C.3.4 Caribbean Sea: Crust-Mantle Processes - Continued


C.3.4 Caribbean Sea: Seismicity


C.3.4 Caribbean Sea: Isotasy


C.3.4 Caribbean Sea: Heat Flow and Paleo-heat Flow


C.3.5 Mediterranean Sea: Submarine Topography/Geomorphology


C.3.5 Mediterranean Sea: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regions - Continued


C.3.5 Mediterranean Sea: Crust-Mantle Processes


C.3.5 Mediterranean Sea: Crust-Mantle Processes - Continued


C.3.5 Mediterranean Sea: Seismicity


C.3.5 Mediterranean Sea: Heat Flow


C.3.5 Mediterranean Sea: Magnetism and Paleomagnetism (see also Crust-Mantle Processes)


C.3.6 Black Sea (includes surrounding margins): General


C.3.6 Black Sea (includes surrounding margins): Submarine Topography/Geomorphology


C.3.6 Black Sea (includes surrounding margins): Submarine Stratigraphy and Paleontology


C.3.6 Black Sea (includes surrounding margins): Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


C.3.6 Black Sea (includes surrounding margins): Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes - Continued


C.3.6 Black Sea (includes surrounding margins): Crust-Mantle Processes


Garkalanko, K. X., 1970, The deep-seated crustal structure in the western part of the Black Sea and adjacent areas; seismic reflection measurement, in The structure of the crust and mantle beneath inland and marginal seas: Tectonophysics, v. 10, no. 5-6, p. 539-547.


C.3.6 Black Sea (includes surrounding margins): Crust-Mantle Processes - Continued


C.3.6 Black Sea (includes surrounding margins): Isostasy


C.3.6 Black Sea (includes surrounding margins): Heat Flow


C.3.7 Caspian and Aral Seas (includes surrounding margins): General


C.3.7 Caspian and Aral Seas (includes surrounding margins): Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


C.3.7 Caspian and Aral Seas (includes surrounding margins): Crust-Mantle Processes


C.3.7 **Caspian and Aral Seas (includes surrounding margins): Crust-Mantle Processes - Continued**


C.3.7 **Caspian and Aral Seas (includes surrounding margins): Heat Flow**


C.3.8 **Red Sea: General**


C.3.8 **Red Sea: Submarine Topography/Geomorphology**


C.3.8 **Red Sea: Sub-oceanic Stratigraphy and Paleontology**


C.3.8 **Red Sea: Paleontology, Igneous Geochemistry and Metallogenesis**


C.3.8 **Red Sea (includes Dead Sea): Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes**


Stephans, J. D., and Witkopp, R. W., 1968, Microscopic and microprobe study of sulfide minerals in Red Sea mud samples: Econ. Geol., v. 63, no. 6, p. 704.

C.3.8 **Red Sea (includes Dead Sea): Crust-Mantle Processes**


C.3.8 Red Sea (includes Dead Sea); Crust-Mantle Processes


Laughton, A. S., and Tramontini, C., 1969, Recent studies of the crustal structure in the Gulf of Aden, in Knopoff, L., Heesen, B. C., and MacDonald, G. J. P., eds., World rift system, a symposium; Tectonophysics, v. 8, no. 4-6, p. 359-375.


C.3.8 Red Sea; Heat Flow and Paleo-heat Flow


C.3.8 Red Sea; Magnetism and Paleomagnetism (see also Crust-Mantle Processes)

Ivanov, M. M., 1962, Peculiarities of the distribution of the magnetic field in the Red Sea; Geomagnetism and Aeronomy, no. 6, 3 p.


C.3.9 Andaman Sea; Sub-oceanic Stratigraphy and Paleontology


1971, Paleobathymetric trends of Neogene foraminiferas assemblages and sea floor tectonism in the Andaman Sea; Marine Geology, v. 11, no. 3, p. 159-173.


C.3.9 Andaman Sea; Crust-Mantle Processes


C.3.9 Andaman Sea; Heat Flow


C.3.10 South China Sea; General


C.3.10 South China Sea; Submarine Topography/Geomorphology

Gilg, J. G., 1968, Bathymetry of the South China Sea; U.S. Naval Oceanog. Office, p. 1-10 (map scale 1:4,000,000). (8)


C.3.10 South China Sea; Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


286
C.3.10 South China Sea: Crust-Mantle Processes


C.3.11 Celebes, Sulu and Banda Seas: Crust-Mantle Processes


C.3.11 Celebes, Sulu and Banda Seas: Heat Flow


C.3.12 Philippine Sea: Submarine Topography


C.3.12 Philippine Sea: Submarine Topography/Geomorphology


C.3.13 Japan Sea: Submarine Stratigraphy and Paleontology


C.3.11 Japan Sea: Sub-oceanic Stratigraphy and Paleontology - Continued


C.3.13 Japan Sea: Geochemistry


C.3.13 Japan Sea: Crust-Mantle Processes


C.3.13 Japan Sea: Petrology and Igneous Geochemistry


C.3.13 Japan Sea: Sedimentary Processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


C.3.13 Japan Sea: Crust-Mantle Processes - Continued


C.3.13 Japan Sea: Isostasy


C.3.13 Japan Sea: Heat Flow


C.3.14 Okhotsk Sea: General


C.3.14 Okhotsk Sea: Submarine Topography/Geomorphology

C.3.14 Okhotsk Sea: Sedimentology, Geochemistry, and Metallogenesis

C.3.14 Okhotsk Sea: Sedimentology, Geochemistry, and Metallogenesis


C.3.14 Okhotsk Sea: Crust-Mantle Processes


1964, The nature of magnetic anomalies in the transitional zones of the Pacific Ocean: Soviet Geology, no. 10.


C.3.14 Okhotsk Sea: Geology


C.3.14 Okhotsk Sea: Heat Flow


Yasui, Massahi, Nagasaka, Koichi, Hishii, Toshio, and others, 1968, Terrestrial heat flow in the Okhotsk Sea: Oceanog. Mag., v. 20, no. 1, p. 73-86.


C.3.15 Alevtian and Kamchatka Basins (in Bering Sea): Sub-oceanic Stratigraphy and Paleontology


C.3.15 Aleutian and Kamchatka Basins (in Bering Sea): 
Crust-Mantle Processes - Continued

Helmberger, D. V., 1968, The crust-mantle transition in the Bering Sea: 

Sadakov, V. V., 1971, Volcanic-tectonic structures of the 
Bering extension of the Gakotsh-Chukchi 
voleanic belt, in Mesosoykii tektonologii: Akad. 

Stone, D. B., 1968, Geophysics in the Bering Sea and 
surrounding areas: a review: Tectonofisics, v. 6, 
no. 6, p. 433-460.

C.3.15 Aleutian and Kamchatka Basins (in Bering Sea): 
Isostasy

Gainanov, A. G., Isaev, E. N., Stroev, P. A., and 
others, 1969, Isotasy of the Bering Sea: Geofiz. 

C.3.16 Gulf of California: Sedimentary Processes, 
Sedimentary Geochemistry and Studies of 
Certain Sedimentary Basins

Berner, R. A., 1964, Distribution and diagenesis of sul­ 
fur in some sediments from the Gulf of California: 
Marine Geology, v. 1, no. 2, p. 117-140.

C.3.16 Gulf of California: Crust-Mantle Processes

Bischoff, J. L., 1971, Distribution of heavy metals in 
sediments of the northern Gulf of California, 
Mexico [abs.], in Gorsline, D. S., ed., 1971, 
Coastal and shalow water research conference, 2nd: 

Elders, W. A., Rax, R. W., Meidav, Tavi, and others, 
1972, Crustal spreading in southern California: 

Castil, R. G., Allison, E. C., and Phillips, R. P., 
1969, Geologic evidence relating to the origin of 
the northern half of the Gulf of California, in 
Maldonado-Koerdell, Manuel, ed., Internat. Upper 
Mantle Symposia no. 22-B, p. 1-5.

Castil, R. G., Phillips, R. P., Rodriguez-Torres, R., 
and others, 1971, The reconstruction of Mesozoic 
California: 24th Internat. Geol. Congr., Montreal, 
Proc. (in press).

Hamilton, Warren, 1961, Origin of the Gulf of 

Henney, T. L., and Bischoff, J. L., 1972, Tectonic 
elements of the northern and central Gulf of 
California [abs.]: EOS (Am. Geophys. Union Trans.), 
v. 53, no. 4, p. 414.

Karig, D. E., and Jenksy, W., 1972, The Proto-Gulf of 

Kreus, E. C., 1971, The drift motion of the Arabian 
Peninsula compared with the widening of the Gulf of 
California: Geol. Jahrb., v. 80, p. 595-610 (in 
German with Engl. abs.).

Larson, P. A., Mudie, J. D., and Larson, R. L., 1972, 
Magnetic anomalies and fracture-zone trends in the 
Gulf of California: Geol. Soc. America Bull., v. 83, 
no. 11, p. 3361-3368.

Larson, R. L., 1972, Bathymetry, magnetic anomalies, 
and plate tectonic history of the mouth of the Gulf 
of California: Geol. Soc. America Bull., v. 83, 
no. 11, p. 3345-3359.

Larson, R. L., Menard, H. W., and Smith, S. M., 1968, 
Gulf of California: a result of ocean-floor spreading 
and transform faulting: Science, v. 161, no. 3842, 
p. 781-784.

Lomitas, Cona, Hooper, Pedrano, Allen, C. R., and 
others, 1970, Seismicity and tectonics of the 
northern Gulf of California region, Mexico: preliminary 
(Spanish and Engl.).

Moore, D. G., 1971, Plate edge deformation and crustal 
growth, Gulf of California structural province: 

Moore, D. G., and Huffington, E. C., 1968, Transform 
faulting and growth of the Gulf of California since 
the late Pliocene: Science, v. 161, no. 3847, 
p. 1288-1291.

Thatcher, W. R., 1972, Surface wave propagation and 
source studies, Gulf of California: Ph.D. thesis, 
Cal. Tech. (1).

Thatcher, W. R., and Brune, J. N., 1969, Surface 
waves and crustal structure in the Gulf of California, 
Baja California, and Sonora [abs.]: EOS (Am. Geophys. 
Union Trans.), v. 50, no. 4, p. 240.

C.3.17 Basins in the Southwest Pacific (Coral and 
Tasman Basins): Submarine Topography/ 
Geomorphology

New South Wales, 1 map (scale 1:2,000,000). (8)

van der Linden, W. J. M., 1970, Morphology of the 
Tasman sea floor, in Bodley, F. A., and Sutherland, 
Nancy, eds., South-West Pacific Geological Survey 
Conference: New Zealand Jour. Geology and 

C.3.17 Basins in the Southwest Pacific (Tasman Basin): 
Sub-oceanic Stratigraphy and Paleontology

Eade, J. V., and van der Linden, W., 1970, Sediments 
and stratigraphy of deep-sea cores from the Tasman 
Basin, in Bodley, F. A., and Sutherland, Nancy, 
eds., South-West Pacific Geological Survey Conference: 
New Zealand Jour. Geology and Geophysics, v. 13, 
no. 1, p. 228-248.

C.3.17 Basins in the Southwest Pacific (Tasman Basin): 
Sedimentary Processes

Monastero, P. C., 1972, Tasman Basin (Pacific Ocean) 
Sedimentation, Patterns and Processes: Florida 
State, Masters Thesis. (1)

C.3.17 Basins in the Southwest Pacific (Coral, Tasman, 
Solomon, New Caledonia and Fiji Basins): 
Crust-Mantle Processes

Dooley, J. C., 1963, Results of south-west Pacific 
Mineral Resources, Geology and Geophysics Record 
no. 1963/43, 8 p. (8)

Dubois, J., 1968, Etude de la dispersion des ondes de 
Rayleigh dans la region du sud-ouest Pacifice: 
Annales de Geophysique, v. 24, no. 1, p. 359-368 
(In French with Engl. summ.).
C.3.17 Basins in the Southwest Pacific (Coral, Tasman, Solomon, New Caledonia and Fiji Basins); Crust-Mantle Processes – Continued


C.3.18 Scotia Sea: Submarine Topography/Geomorphology


Gershanovich, D. Ye., and Dmitriyenko, A. I., 1972, New data on the geomorphology of the Scotia Sea: Geomorfologiya, no. 3, p. 57-64 (in Russian with Engl. summ.).


C.3.17 Basins in the Southwest Pacific (Coral, Tasman, Solomon, New Caledonia and Fiji Basins); Heat Flow


C.3.18 Scotia Sea: Sub-oceanic Stratigraphy and Paleontology

Echols, R. J., 1968, Distribution of foraminifera and radiolaria in sediments of the Scotia Sea area, Antarctic Ocean (abs.): Diss. Abstr., v. 28, no. 12, pt. 1, p. 50788-50798. (*)

C.3.18 Scotia Sea: Crust-Mantle Processes


III. OCEANIC REGIONS

D. ISLAND ARCS, TRENCHES AND RISES (see also III.C. SMALL OCEAN BASINS and II CONTINENTAL MARGINS)

D.1 Mixed Geography


D.1 Mixed Geography - Continued


____, 1966, Composition of primary magmas and seismicity of the earth's mantle in the island arcs (a preliminary note); [with discussion]: Canadian Geol. Survey Paper 66-15, p. 357-375.


Temple, P. G., 1972, Structure of island arcs bounding the Australian continental plate: APEA Jour., v. 12, Pt. 2, p. 74-80.


D.2 Atlantic Ocean (includes the Caribbean Region and the Scotia Arc)


D.2 Atlantic Ocean (includes the Caribbean Region and the Scotia Arc) - Continued


Dalziel, I. W. D., 1970, The tectonic framework of the southern Antilles (Scotia arc); its possible bearing on the evolution of the Antilles [abs.]: Asoc. Venezolana Geologia, Minerla y Petr61eo Bol. Inf., v. 13, no. 10, p. 321. (§)


1972, Structural studies in the Scotia arc: Isla de los Estados, Argentina, R/V HERO cruise 72-2: Antarctic Jour., v. 7, no. 5, p. 151-152. (§)


Davies, S. N., 1971, Barbados; a major submarine gravity slide: Geol. Soc. America Bull., v. 82, no. 9, p. 2593-2561. (§)


Donnelly, T. W., Rogers, J. J. W., Pushkar, Paul, and others, 1971, Chemical evolution of the igneous rocks of the eastern West Indies; an investigation of thorium, uranium, and potassium, strontium isotopic ratios, and lead and strontium isotopic ratios, in Donnelly, T. W., ed., Caribbean geophysical, tectonic and petrologic studies: Geol. Soc. America Mem. 130, p. 211-224. (§)


1972, Bathymetric and geologic studies of the Guadeloupe region, Lesser Antilles Island arc: Marine Geology, v. 12, no. 4, p. 267-288. (§)


D.2 Atlantic Ocean (includes the Caribbean Region and the Scotia Arc) - Continued


Lewis, J. F., and Gunn, B. M., 1972, Aspects of island arc evolution and magmatism in the Caribbean; geochemistry of some West Indian plutonic and volcanic rocks: Caribbean Geol. Conf. Trans., no. 6, p. 171-177.


D.3 Indian Ocean and Indonesian Archipelago


D.3 Indian Ocean and Indonesian Archipelago - Continued


Zen, M. T., 1972, Phases of volcanism in the Indonesian arcs seen from the plate tectonic framework [abs.], in Regional conference on the geology of southeast Asia, Abstract of Papers: Geol. Soc. Malaysia Newsletter, no. 34, Annex, p. 61.

D.4 Pacific Ocean (Mixed Geography)


D.4 Western Pacific Ocean


D.4 Western Pacific Ocean - Continued


Dickinson, W. R., 1967, Tectonic development of Fiji: [with discussion]: Tectonophysics, v. 4, no. 4-6, p. 543-553.


Fedotov, S. A., 1965, Upper mantle properties of the southern part of the Kuril Island arc according to detailed seismological investigation data: Tectonophysics, v. 2, no. 2-3, p. 219-225.

1968, On deep structure, properties of the upper mantle, and volcanism of the Kuril-Kamchatka island arc according to seismic data: In the crust and upper mantle of the Pacific area: Am. Geophys. Union Geophys. Mon., no. 12, p. 131-139.


D.4 Western Pacific Ocean - Continued


D.4 Western Pacific Ocean - Continued


Kazanskiy, B. A., 1972, Distribution of the bottom relief in some seas and basins in the transition zone of the Pacific: Oceanology, v. 12, no. 3, p. 375-378.


D.4 Western Pacific Ocean - Continued


Murphy, R. W., 1972, The Manila trench-west Taiwan foldbelt; a flipped subduction zone [abs.], in Regional conference on the geology of southeast Asia, abstracts of papers: Geol. Soc. Malaysia Newsletter, no. 34, Annex, p. 41.


D.4 Western Pacific Ocean  - Continued


Taranonov, R. Z., 1965, Travel time curve of P and S-P waves and a velocity cross-section of the earth's upper mantle according to data obtained from observations of earthquakes in the Kuriles and Japan: Izv. Earth Physics, p. 476-490.


Tulina, Yu. V., and Mironova, V. I., 1964, Southern and central sections of the Kuril zone of the Pacific Ocean, ch. 9, in Galperin, Ye. I., and Kominskaia, I. P., eds.: Structure of the earth's crust in the transition zone from the Asian continent to the Pacific Ocean: Moscow, Nauka, p. 199-228.

D.4 Western Pacific Ocean - Continued


D.4 Eastern Pacific Ocean


Appavoua, G. V., 1972, The geomorphology of the Peru-Chile trench: Oceanolog. v. 12, no. 5, p. 689-696.


D.4 Eastern Pacific Ocean - Continued


Galli-Olivier, Carlos, 1969, Climate, a primary control of sedimentation in the Peru-Chile trench: Geol. Soc. America Bull., v. 80, no. 9, p. 1849-1852.


D.4 Eastern Pacific Ocean - Continued


III. OCEANIC REGIONS

E. SEAMOUNTS AND OCEANIC ISLANDS

Including their shelves and slopes

E.1 Mixed Geography


E.2 Atlantic Ocean


E.2 Atlantic Ocean - Continued


E.2 Atlantic Ocean - Continued


E.4 Indian Ocean


GST Corporation, 1971, Brochure on marine seismic data for the Seychelles Bank area available from GST Corp.; Seismic records may be purchased from the GST Corporation, 144 St. Charles Avenue, New Orleans, Louisiana 70130. (6)(*)


E.4 Indian Ocean - Continued


E.5 Pacific Ocean (Mixed Geography)


E.5 Western Pacific Ocean


Fraser, Ronald, ed., 1971, Cook bicentenary expedition in the south-west Pacific: Royal Soc. of New Zealand Bulletin no. 8, 141 p.

E.5 Western Pacific Ocean - Continued


Vogt, P. R., and Conolly, J. R., 1971, Tasmantid Guyots, the age of the Tasman basin, and motion between the Australia plate and the mantle: Geol. Soc. America Bull., v. 82, no. 9, p. 2577-2583.


E.5 Western Pacific Ocean - Continued


E.5 Eastern Pacific Ocean


Campbell, J. F., Coulborn, W. T., Moberly, R. Jr., and others, 1970, Reconnaissance Sand Inventory; off leeward Oahu: NSF Sea Grant Program Grant No. GH-26, SEAGRANT Report No. 70-2, 14 p. (8)


E.5 Eastern Pacific Ocean - Continued


---, 1972, A geological reconnaissance of Bowie seamount (Pacific Ocean, west of Queen Charlotte Islands): British Columbia Master's Thesis. (8)


E.5 Eastern Pacific Ocean - Continued


E.6 Southern Oceans

APPENDIX

a. REGIONAL LAND GEOLOGY AND RESOURCES

a.1 GEOLOGICAL AND GEOPHYSICAL STUDIES PERTINENT TO GEOLOGICAL HISTORY AND FRAMEWORK

a.1.1 Circum-Pacific: Pre-Quaternary Geology


a.1.2 Canada: General


Chase, R. L., and Tiffin, D. L., 1972, Oceanic tectonic features west of the Canadian Cordillera [abs.]: Geol. Assoc. of Canada, Cordilleran Sec., Conf. on "Faults, Fractures, Lineaments and Related Mineralization in the Canadian Cordillera," Feb. 4-5, 1972, Vancouver, B. C.


1961, Triassic stratigraphy and faunas, Queen Elizabeth Islands, Arctic Archipelago: Canada Geol. Survey Mem. 316.


a.1.2 Canada: Pre-Quaternary Geology


a.1.2 Canada: Seismic or Multi-sensor Surveys


a.1.2 Canada: Gravity Surveys

Bobrowsk, L. W., 1963, Regional gravity survey of the Sverdrup Islands and vicinity: Dominion Observatory Ottawa Gravity Map Ser., no. 11.


a.1.3 Greenland: Pre-Quaternary Geology


a.1.3 Greenland: Quaternary Geology


a.1.4 United States (excluding Alaska): General


a.1.4 United States (excluding Alaska): Pre-Quaternary Geology


Bowen, Richard L., 1968, Paleoclimatologic and paleobiologic implications of Louann salt deposition (abs.) in Eighteenth annual meeting of the Gulf Coast Association of Geological Societies and regional meeting, held in cooperation with the Society of Economic Paleontologists and Mineralogists, Oct. 23-25, 1968, Jackson, Miss.: Gulf Coast Assoc. Geol. Soc. Trans., v. 18, p. 49.


Griscom, Andrew, 1966, Magnetic data and regional structure of the Late Tertiary Capistrano Embayment, California: Univ. Southern California M.S. thesis. (#)


Ingle, James C., 1962, Paleocologic, sedimentary and structural history of the Late Tertiary Capistrano Embayment, California: Univ. Southern California M.S. thesis. (#)


a.1.4 United States (excluding Alaska): Gravity and Magnetic Surveys - Continued


a.1.4 United States (Alaska): General


a.1.4 United States (Alaska): Pre-Quaternary Geology


a.1.4 United States (Alaska): Quaternary Geology


a.1.4 United States (Alaska): Seismic or Multi-sensor Surveys


a.1.4 United States (Alaska): Gravity and Magnetic Surveys


a.1.5 Mexico: Pre-Quaternary Geology


a.1.6 South and Central America: General


a.1.6 South and Central America: Pre-Quaternary Geology


a.1.6 South and Central America: Quaternary Geology


Commission de la carte géologique du monde, 1964, Carte géologique de l’Amérique du sud, 2 sheets, scale 1:1,000,000.

Congreso Venezolano de petroleo, 1962, Mapa geoligico-tectonico del norte de Venezuela (Coordinator, Dr. Foster D. Smith, Jr., Mobil Oil Co. de Venezuela): Congreso Venezolano de Petroleo, Primer, Marzo 1962, 2 sheets, scale 1:1,000,000.

de Locry, L., 1972, Contributions to the paleogeography and paleotectonic of the southern part of Brazilian Block and the Parana Gonviana Basin [abs.]: in Continental drift emphasizing the history of the South Atlantic area: EOS (Am. Geophys. Union Trans.), v. 53, no. 2, p. 172-174. (abs. plus information for ordering full text on microfilm)


Ebert, Heinz, and Dirac, Monica, 1972, The structural units of the Brazilian Precambrian Shield [abs.]: in Continental drift emphasizing the history of the South Atlantic area: EOS (Am. Geophys. Union Trans.), v. 53, no. 2, p. 177-178. (abs. plus information for ordering full text on microfilm)

Fulcher, Carlos Ruiz, director, 1968, Mapa geologico de Chile: Instituto de Investigaciones Geológicas, 7 sheets, scale 1:1,000,000.


Mige, Frederick, 1971, Geology of the Puerto Plata area, Dominican Republic, relative to the Puerto Rico Trench; in Mattson, P. H., ed., Caribbean Geological Conference (Fifth), Trans. (held at College of the Virgin Islands, July 1-5, 1968): Flushing, N. Y., Queens College Press, p. 79-84.


a.1.6 South and Central America: Magnetic Surveys


a.1.7 Western Europe: Pre-Quaternary Geology


Portugal, Serviços Geologicos, 1969, Geologic map of Portugal: Lisbon, Portugal, Serv. Geol., scale 1:50,000. (in Portuguese).


1.8 Iceland (includes Spitsbergen): Pre-Quaternary Geology - Continued


1.9 USSR: General


1.9 USSR (including Eastern Europe): Pre-Quaternary Geology

Academy of Science, USSR, Geological Institute, 1963, Tectonic map of the Arctic: Moscow, Geologicheskii Institut Tektonicheskoi Karty Arktiki, 1 sheet, scale 1:10,000,000.


Atlasov, I. P., and Dibner, V. D., 1964, Tectonic map of the Arctic and Subarctic: Ministry of Geol., USSR, 6 sheets, scale 1:5,000,000 (English legend).


Geological Institute of the Academy of Sciences of the USSR and Ministry of Geology of the USSR, 1966, Tectonic map of Eurasia: Moscow, 12 sheets, scale 1:5,000,000.


Serova, M. Ya., 1961, Micro-paleontological basis for a cross-section of the Tertiary depostions on the western coast of Kamchatka, in Unified stratigraphical diagrams of the northeast of the USSR: Moscow.


a.1.9 USSR (including Eastern Europe): Quaternary Geology


Kolyay, N. I., 1962, Neotektonicheskiiye struktury formy i ikh rasprostranenyie na territorii SSSR: Sov. Geol., no. 5, p. 6-17; English transl. in Internat. Geology Rev., v. 5, no. 11, p. 146.
a.1.9 USSR (including Eastern Europe): Quaternary

Geology - Continued


Petrov, O. M., 1965, Paleogeography of the Chukchi Peninsula during the late Neogene and Quaternary periods, in Symposium: The Anthropogene Period in the Arctic and Sub-Arctic: Moscow.


Dudley, H. N., and Belmonte, Y., 1970, Carte geologique de la Republique Gabonaise au 1:10,000,000; Notice explicative des ressources minerales, I. La Reunion, Moskva, Gosgeoltechizdat.


a.1.10 Africa: Pre-Quaternary Geology - Continued


a.11 Middle East: Pre-Quaternary Geology - Continued


a.12 Far East: General


a.12 Far East: Pre-Quaternary Geology


Chinese Petroleum Corporation, 1972, Geologic maps of western Taiwan: Chinese Petroleum Corp., 2 sheets, scale 1:20,000.


1972, Preliminary tectonic map of the Indonesian region: U.S. Geol. Survey open-file report, 3 sheets, scale 1:15,000,000.


Ho, C. S., 1961, Geologic relationships and comparison between Taiwan and Philippines: Geol. Soc. China Proc., no. 4, p. 3-33; also in Philippine Geologist, v. 15, p. 59-95.

325
a.1.12 Far East: Pre-Quaternary Geology - Continued


1967, Structural evolution of Taiwan: Tectono-phyics, v. 4, nos. 4-6, p. 367-378.


India, Oil and Natural Gas Commission and United Nations Development Programme, 1969, Tectonic map of India, 1968: 4 sheets, scale 1:7,000,000.

Ismo, Hiroshi, compiler, 1968, Tectonic map of Japan: Japan Geol. Survey Map Ser. 12, scale 1/2,000,000.

Isehiki, Naoki, Matsui, Kazunori, and Ono, Koji, compilers, 1968, Volcanoes of Japan: Japan Geol. Survey Map Ser. 11, scale 1:2,000,000.

Japan Geological Survey, 1968, Geologic map of Japan: Japan Geol. Survey Map Ser. 4, scale 1:3,000,000.


Ngyuen, Dinh-Kat, 1969, Main tectonic features of North Vietnam: Geotectonics, no. 4.

Oil and Natural Gas Commission, India, 1968, Tectonic map of India: India Oil and Nat. Gas Comm., Dehra Dun, scale 1:2,000,000.


326
a.1.12 Far East: Pre-Quaternary Geology - Continued


1971, Geological map of Asia and the Far East (2d ed.): U.N. ECAFE-UNESO, Bangkok-Paris, 4 sheets, scale 1:5,000,000, (see Balasundaram, M. S., for expl. brochure).


a.1.12 Far East: Seismic or Multi-sensor Surveys

Pan, Y. S., 1965, Seismic velocity distribution in the Cenozoic sequence in the plain areas of Taiwan: Petroleum Geol. Taiwan, no. 2, p. 279-297.


a.1.12 Far East: Gravimetric and Magnetic Surveys


a.1.13 Oceania (Australia and SW Pacific Islands): General

Hussey, R. F., 1965, Geological map of the world, Australia and Oceania (Sheets 6, 7, 11, and 12 cover Australia, New Guinea, New Britain, New Zealand, the Admiralty Islands and north-west part of Solomon Islands): Australia Bur. Mineral Resources, scale 1:5,000,000.


---1971, Geological map of the world, Australia and Oceania (Sheet 9, 0°-24°S, 180°-156°E; Sheet 13, New Zealand and surrounding areas: Australia Bur. Mineral Resources, scale 1:5,000,000.


a.1.13 Oceania (Australia and SW Pacific Islands): Pre-Quaternary Geology - Continued


a.1.13 Oceania (Australia and SW Pacific Islands): Gravity Surveys


a.1.13 Oceania (Australia and SW Pacific Islands): Quaternary Geology


a.1.14 Antarctica: General


a.1.14 Antarctica: Pre-Quaternary Geology


a.1.14 Antarctica; Pre-Quaternary Geology - Continued


a.1.14 Antarctica; Quaternary Geology


a.1.14 Antarctica; Gravity and Magnetic Surveys

Behrendt, J. C., and Bentley, C. R., 1968, Magnetic and gravity studies of the Arctic. Antaric Map Folio Ser., Folio 9, scale 1:15,000,000.

a.2 MINERAL RESOURCES

a.2.1 Mixed Geography; Petroleum


a.2.2 Canada; General

Atlantic Development Board, 1969, Mineral resources in the Atlantic provinces: Ottawa, Canada, Atlantic Devol. Board (Background Study) no. 4, 94 p.


1969, Mineral deposits of Canada: Canada Geol. Survey Map 1252a, scale 1:5,000,000.


a.2.2 Canada; Petroleum

Cameron, A. B., 1961, Queen Elizabeth Islands of Arctic Canada and their petroleum prospects: Jour. Inst. Petroleum, v. 47, no. 449, p. 129-161; also in Oil in Canada, v. 13, no. 18, p. 18-38.

Canadian Imperial Bank of Commerce, Petroleum and Natural Gas Department, 1970, Oil and gas fields in western Canada: Calgary, Canadian Imperial Bank of Commerce, 5 sheets, map scale 1:2,534,400.

Canadian Mining Journal, 1971, Prospects for oil and gas in the Canadian Arctic Islands: Canadian Mining Jour., v. 92, no. 4, p. 36.

a.2.2 Canada: Petroleum - Continued

Gallup, W. B., 1968, West Canadian Arctic: our next oil province?: Oilweek, v. 18, no. 47, p. 10-12, 34.

Heise, H., 1971, Imperial strikes oil and gas on Arctic coast: Canadian Petroleum, v. 12, no. 6, p. 21.


Maclean, Brian, compiler, 1966, Alberta and northeastern Alberta, snowing oil and gas fields and oil and gas discoveries; information to 1 January 1966: Canada Geol. Survey Map 1039A, scale 1 inch to 20 miles.


Rolfiff, W. A., 1968, Oil and gas exploration—Anticosti Island, Quebec: Geol. Assoc. Canada Proc., v. 19, p. 31-36 (with French abs.).


Toronto Dominion Bank, Oil and Gas Department, 1971, Petroleum and natural gas map of Canada: Calgary, Toronto Dominion Bank, scale 1:2,534,400.


a.2.2 Canada: Sulphur, Potash, Halite and other Soluble Salts


Maclean, Brian, compiler, 1966, Alberta and northeastern Alberta, snowing oil and gas fields and oil and gas discoveries; information to 1 January 1966: Canada Geol. Survey Map 1039A, scale 1 inch to 20 miles.


Rolfiff, W. A., 1968, Oil and gas exploration—Anticosti Island, Quebec: Geol. Assoc. Canada Proc., v. 19, p. 31-36 (with French abs.).


Toronto Dominion Bank, Oil and Gas Department, 1971, Petroleum and natural gas map of Canada: Calgary, Toronto Dominion Bank, scale 1:2,534,400.


a.2.4 United States (excluding Alaska): General


a.2.4 United States (excluding Alaska): Petroleum


United States (excluding Alaska): Petroleum - Continued


Oil and Gas Journal, 1970, Forecast-review report: Oil and Gas Jour., v. 68, no. 4, p. 113-139.

1971. Gulf Coast Lower Cretaceous—regional stratigraphy and oil potential: Oil and Gas Jour., v. 69, no. 17, p. 104-106.


Rogers, J. K., 1969, Possible ground water influence on the habitat of oil in the Gulf Coast: Gulf Coast Assoc. Geol. Soc. Trans., v. 19, p. 119-130.


United States (excluding Alaska): Sulfur, Potash, Halite, and other Soluble Salts


United States (excluding Alaska): Placers


United States (excluding Alaska): Phosphorite


United States (excluding Alaska): Solid Mineral Deposits within Sedimentary or Crystalline Bedrock

Trumbull, James, 1960, Coal fields of the United States: U.S. Geol. Survey, 2 sheets, scale 1:5,000,000.

United States (Alaska): General


a.2.4 United States (Alaska): General - Continued


a.2.4 United States (Alaska): Petroleum


Alaska Construction and Oil, 1969, Looking for another Prudhoe Bay: Alaska Construction and Oil, v. 10, no. 8, p. 72-75.


Armstrong, T. A., 1966, Alaskan oil: Oil and Gas Jour., v. 64, no. 34, p. 77-100.

Basye, Dale, 1969, Secrecy shroud lifts on giant Prudhoe Bay field: Oil and Gas Jour., v. 67, no. 47, p. 49-54.


Churkin, Michael J., and Brabb, E. K., 1969, Prudhoe Bay discovery forces a look at other Alaskan petroleum areas: Oil and Gas Jour., v. 67, no. 46, p. 104-110.


Main, Jeremy, 1969, The hot oil rush in Arctic Alaska: Fortune, v. 9, no. 4, p. 120-142.


United States (Alaska): Petroleum - Continued


United States (Alaska): Placers


United States (Alaska): Solid Mineral Deposits within Sedimentary or Crystalline Bedrock


Callahan, J. E., 1971, Geology and coal resources of T. 6 S., R. 51 W., unsurveyed, Unit principal meridian, in the Cape Beaufort coal field, northwestern Alaska: U.S. Geol. Survey open-file report, 18 p. (8)


Mexico: Petroleum


Sanchez Morales, Virgilio, 1967, Estudio geologico de la porcion sur del area interrarracial del Atolonde de la Faja de Oro: Geología y Metalurgia, v. 3, no. 21, p. 5-56.

a.2.5 Mexico: Sulfur, Potash, Halite and other Soluble Salts


a.2.5 Mexico: Solid Mineral Deposits within Sedimentary or Crystalline Bedrock


a.2.6 South and Central America: General

Costa Rica, Departamento de Geologia, Minas y Petroleo, 1962, Mapa de recursos minerales de Costa Rica: 1 sheet, scale 1:750,000.


Marshall, K. M. W., 1966, Provisional map showing economic geology of Trinidad: Port of Spain, Trinidad Ministry of Petroleum and Mines, scale 1:100,000.


a.2.6 South and Central America: Petroleum


Iriarzy, O. B., 1960, Qué ofrece la Tierra del Fuego: Petroleo Interam., v. 18, no. 5, p. 36-42 (in Spanish and English).

Johnson, W. S., and Headington, Edward, 1971, Panama: exploration history and petroleum potential: Oil and Gas Jour., v. 69, no. 15, p. 96-100.


a.2.6 South and Central America: Petroleum — Continued


a.2.6 South and Central America: Sulphur, Potash. Halite and other Soluble Salts


a.2.6 South and Central America: Solid Mineral Deposits within Sedimentary or Crystalline Bedrock


a.2.7 Western Europe: General


Western Europe: Solid Mineral Deposits within Sedimentary or Crystalline Bedrock


Iceland: Geothermal Energy


USA: General


a.2.9 USSR: Petroleum - Continued


a.2.9 USSR: Placers


a.2.10 Africa: General

Africa, 1970, Geological map and map of useful minerals in Africa: NLRA [64534], 43 p., map scale 1:10,000,000.


Smit, P. J., 1963, Geological map of south and southwest Africa showing mineral occurrences and gravity contours (Bouguer anomalies); Republic South Africa, Govt. Printing and Stationary Office, 8 maps (#)


a.2.10 Africa: Petroleum


Barnes, S. U., 1966, Geology and oil prospects of Somalia, East Africa: Unpublished manuscript, 32 p. (#)


a.2.10 Africa: Petroleum - Continued


Mohrenschildt, George, 1960, Meat Africa:


a.2.11 Middle East: General


Elai, T., 1960, Iran seeks mineral development: Eng. and Mining Jour., v. 161, no. 7, p. 74-76.


a.2.11 Middle East: Petroleum


Coates, J., 1965, Oil and gas exploration in Israel [abs.]: Israel J. Earth-Sci., v. 13, no. 3-4, p. 165-166.


a.2.11 Middle East: Petroleum - Continued


a.2.11 Middle East: Potash, Halite and other Soluble Salts


a.2.12 Far East: General


Royal Thai Survey Department, 1969, Thailand: national resources atlas: Bangkok, Royal Thai Survey Dept., variably pagged.


b.1963, Mining developments in Asia and the Far East.


a.2.12 Far East: Petroleum


A. 2.12 Far East: Petroleum—Continued


Maki, S., and others, 1970, Report of the 3rd phase survey for the natural gas resources of Ryukyu Islands; Pt. 4, Geochemical studies of hydrocarbon source rocks in the southern and central parts of the Okinawa Main Island: Geol. Survey Japan Bull., v. 21, no. 8, p. 15.

Makino, T., and Fukuta, O., 1970, Report of the 3rd phase survey for the natural gas resources of Ryukyu Islands; Pt. 5, Purposes and location of Maha no. 1 test well: Geol. Survey Japan Bull., v. 21, no. 8, p. 27.


Roe, F. W., coordinator, 1962, Oil and natural gas map of Asia and the Far East: Bangkok, Thailand, United Nations ECAFE, U.N.E. 62.1.16, 4 sheets, scale 1:5,000,000.


Schraiber, A., 1965, On the geology of the Cenozoic geosynclines in middle and northern Taiwan (China) and its petroleum potentialities: Petroleum Geology Taiwan, no. 4, p. 25-47.


a.2.12 Far East: Petroleum - Continued


Sun, C. C., 1965, Geology and petroleum potentialities of the Chingshui Yuanlin area, Taiwan: Petroleum Geology Taiwan, no. 4, p. 161-173.


a.2.12 Far East; Solid Mineral Deposits within Sedimentary or Crystalline Bedrock - Continued

Gilmour, G. A., 1971, Indonesian tin prospects: Mining Mag., v. 125, no. 4, p. 331-343.


a.2.13 Oceania (Australia and SW Pacific Islands): Petroleum


Western Australia, Mines Department, 1968, Western Australia: regional divisions and reported mineral occurrences: Western Australia, Mines Dept., Perth, map scale 1:2,534,400.


a.2.13 Oceania (Australia and SW Pacific Islands): Petroleum


a.2.13 Oceanica (Australia and SW Pacific Islands):
Petroleum - Continued


Sprigg, R. C., 1961, Major exploration boom is in prospect for Australia: World Oil, v. 152, no. 7, p. 143-144, 146, 148, 151-152, 155-156, 158.


Wekas, L. G., and Hopkins, B. M., 1966, New Gippsland find may be big one for Aussies: Oil and Gas Jour., v. 64, no. 17, p. 220-226.

a.2.13 Oceanica (Australia and SW Pacific Islands):
Placers


a.2.13 Oceanica (Australia and SW Pacific Islands):
Phosphorites


a.2.13 Oceanica (Australia and SW Pacific Islands):
Solid Mineral Deposits within Sedimentary or Crystalline Bedrock


a.2.14 Antarctica: General


a.3 Topical Research

a.3.1 Mixed Geography; Stratigraphy and Paleontology

a.3.1 Mixed Geography: Stratigraphy and Paleontology - Continued


a.3.1 Mixed Geography: Geochronology


a.3.1 Mixed Geography: Magmatism and Paleomagnetism


Martin, Manno, 1961, The hypothesis of continental drift in the light of recent advances of geological knowledge in Brazil and in South West Africa: Geol. Soc. South Africa, Annexure to v. 64, Alex L. Du Toit Memorial Lectures no. 7, 47 p.


Schenk, F. E., 1970, Nova Scotia, Morocco, and continental drift [abs.]: Maritime Sediments, v. 6, no. 3, p. 130-139.


a.3.2 Circum-Pacific: Petrology, Igneous Geochemistry, and Metallogenesis - Continued


a.3.2 Circum-Pacific: Magnetism and Paleomagnetism


a.3.2 Canada: Crust-Mantle Processes


a.3.3 Canada: Magnetism and Paleomagnetism


a.3.5 United States (excluding Alaska): Petrology, Igneous Geochemistry, and Metamorphism — Continued


a.3.5 United States (excluding Alaska): Crust-Mantle Processes


a.3.5 United States (Alaska): Stratigraphy and Paleontology


a.3.5 United States (Alaska): Crust-Mantle Processes


a.3.5 United States (Alaska): Seismicity


a.3.5 United States (Alaska): Magnetism and Paleomagnetism


a.3.6 South and Central America: Stratigraphy and Paleontology


a.3.6 South and Central America: Stratigraphy and Paleontology - Continued


a.3.6 South and Central America: Geochronology


a.3.6 South and Central America: Petrology, Igneous Geochemistry, and Metamorphism


a.3.6 South and Central America: Crust-Mantle Processes


Sole, Sabaris L., 1964, Sequential replacement of marine fauna from the Pliocene to Quaternary periods on the Mediterranean shores of Spain and the Balesares: Symposium, Relief and geology of the bottom of the oceans, Moscow.

a.3.7 Western Europe: Stratigraphy and Paleontology


a.3.7 Western Europe: Geochronology


a.3.7 Western Europe: Seismology

a.3.7 Western Europe: Seismicity - Continued


a.3.8 Iceland (includes Spitsbergen): Crust-Mantle Processes


Schaefer, Karlheinz, 1972, Transform faults in Iceland: Geol. Rundsch., v. 61, no. 3, p. 942-960 (in German, including English, French, Russian summary).


a.3.8 Iceland: Magnetism and Paleomagnetism


a.3.9 USSR: Stratigraphy and Paleontology


a.3.9 USSR: Petrology, Igneous Geochemistry and Metallogeny


a.3.10 Africa: Crust-Mantle Processes


a.3.10 Africa: Seismicity


a.3.10 Africa: Isotopy


a.3.11 Middle East: Stratigraphy and Paleontology


Derin, B., and Gerry, E., 1972, Jurassic biostratigraphy and environments of deposition in Israel: African Micropaleontological Colloq., 5th.


a.3.11 Middle East: Crust-Mantle Processes

Akascheh, B., 1972, Seismisität und Tektonik von Iran: Earth and Space Physics Jour., v. 1, no. 1, p. 8-16 (in German).


a.3.11 Middle East: Seismicity


a.3.12 Far East: General


Sun, S. C., 1972, Photogeologic study of the Hsinying-Chiayi coastal plain, Taiwan: Petroleum Geology Taiwan, no. 8, p. 65-75.

a.3.12 Far East: Stratigraphy and Paleontology


Chang, S. S. L., 1963, Regional stratigraphic study of Pleistocene and upper Pliocene formations in Chiayi and Hsinying area, Taiwan: Petroleum Geology Taiwan, no. 2, p. 87-98.

1964, Regional stratigraphic study of the lower Pliocene and upper Miocene formations in the Chiayi and Hsinying area, Taiwan: Petroleum Geology Taiwan, no. 3, p. 1-20.

1968, Regional stratigraphic study of Neogene formations in the Chiayi-Hsinying area, West-Central Taiwan: China Petroleum Geology Taiwan, no. 4, p. 147-160.


Hashimoto, W., 1969, Paleontology of the Philippines: Geology and Paleontology of S.E. Asia, v. 6, p. 293.


Huang, Tunyou, 1963, Planktonic foraminifera from the Peikang PK-3 well in the Peikang Shelf area, Taiwan: Petroleum Geology Taiwan, no. 2, p. 153-182.

1967, Foraminiferal study of the Tungliang well TL-1 of the Penghu Islands: Petroleum Geology Taiwan, no. 5, p. 131-149.


a.3.12 Far East: Geochronology


a.3.12 Far East: Geochronology - Continued

Haile, M. S., and Biggell, J. D., 1971, Note on two radiometric age determinations of granites from the Tombelaine, Sunda Shelf, Indonesia: Geol. Soc. N. Hjdb. v. 50, no. 5, p. 687-690.

Katili, J. A., 1972, Geochronology of west Indonesia and its implication [abs.]: Regional Conf. on Geology of Southeast Asia, Kuala Lumpur, Malaysia, p. 33.

a.3.12 Far East: Petrology, Igneous Geochemistry, and Metallogenesis


a.3.12 Far East: Sedimentary processes, Sedimentary Geochemistry and Studies of Certain Sedimentary Regimes


a.3.12 Far East: Crust-Mantle Processes


a.3.12 Far East: Crust-Mantle Processes - Continued


a.3.12 Far East: Seismicity


Mao, Maurus Nai-Hsien, 1962, Geology and seismicity of Taiwan: Boston College M.S. thesis. (I)


a.3.12 Far East: Magnetism and Paleomagnetism


a.3.13 Oceania (Australia and SW Pacific Islands): Stratigraphy and Paleontology


a.3.13 Oceania (Australia and SW Pacific Islands): Crust-Mantle Processes


a.3.13 Oceania (Australia and SW Pacific Islands): Magnetism and Paleomagnetism


a.3.14 Antarctica: General


a.3.14 Antarctica: Stratigraphy and Paleontology


a.3.14 Antarctica: Crust-Mantle Processes


APPENDIX

b. PREVIOUS BIBLIOGRAPHIES

Geological and Geophysical Studies Pertinent to Geologic-  
ical History and Framework


Boykin, R. E., 1970, CICAP bibliography, volume III--  
Geology and geophysics of the Gulf of Mexico and the  
Caribbean: Nat. Oceanogr. Data Center, Approx. 9,000  
References on Index Cards, Microfilm (3 reels) available.  
(#)

Braunstein, Jules, ed., 1970, Bibliography of Gulf  
Coast geology: Gulf Coast Assoc. Geol. Soc. with  
cooperation of U.S. Geol. Survey, New Orleans, La.,  

Canada Geological Survey, 1969, List of geological  
reports of Northwest Territories (revised 1969):  
Canadian Geol. Survey, Dept. Energy, Mines and  

Collins, E. E., and Duxbury, A. C., 1971, Bibliography  
of literature: Puget Sound marine environment:  
Washington Sea Grant Pub. 71-6.

Colton, R. B., 1968, Bibliography of geology and  
geography of Ecuador: U.S. Geol. Surv.; Open-file  
Rept., 65 p.  
(#)

Dietz, R. S., 1970, Bibliography on offshore sedimentary  
basins of the world: Unpub., 30 p.  
(#)

Doumani, G. A., 1965, Antarctic bibliography volume 1:  

Fink, L. K., Jr., 1964, Regional bibliography of  
Caribbean geology: Inst. Marine Science, the Marine  
(#)

Franklin Institute Research Laboratories, 1972,  
Bibliography on marine geology and geophysics:  
Atmospheric Adm., 238 p.

Gobbert, D. J., compiler, 1968, Bibliography and index  
of the geology of West Malaysia and Singapore: Kuala  

Laking, P. N., 1970, Literature on geology, geophysics  
and geography of the Black Sea, in Bibliography of  
Scientific Literature on the Black Sea: Woods Hole  
(#)

McLeod, I. R., 1970, Bibliography of reports on  
geology, geomorphology and glacial geology resulting  
from Australian work in Antarctica: Natl. Tech. Inf.  
Service [N1113095], 11 p.  
(#)

 Maher, J. C., and Trollman, W. N., compilers, 1970,  
Geological literature on the North Slope of Alaska:  

Manser, W., and Freeman, C., 1970, Bibliography of the  
geology of eastern New Guinea (Papua New Guinea):  
194 p.

Martna, Maret, ed., 1971, Arctic bibliography,  
Press, 1601 p.

Mousas, M. T., and Smith, A. L., 1971, Status of geo-  
logical research in the Caribbean (a bibliography):  

Oró, Aliment, Anunció, 1970, Bibliography of the  
geology of Spain, 1968: Acta Geol. Hisp., v. 5,  
no. 5, 26 p. (in Spanish).

Pflaueh, George, and Cobb, E. C., 1969, Selected refer-  
ces on the geology of the Gulf of Alaska Territorial  
province and neighboring areas, Alaska: U.S. Geol.  
Survey, 10 p.  
(#)

Scripta Institution of Oceanography, 1970, Catalog of  
the Scripp's Institution of Oceanography Library:  

Salgie, G. A., and Rivero, Frances Ch.de., 1967,  
Bibliography of the marine geology of Venezuela:  
Geos, no. 16, p. 80-87 (in Spanish).

Sriramachandra, M. V., Easterson, D. C. V., and  
Bastian, F. A., 1969, Bibliography of the Indian  
Ocean 1968 (with a supplement for 1962-1967):  
Mandapam Camp, Ramanathapuram District, India,  
Central Marine Fisheries Research Inst. Bull. No. 5,  
March 1969.

Tremaine, Marie, ed., 1960-1969, Arctic bibliography:  
Arctic Inst. No. America, v. 9, 1599 p.; v. 10,  
1467 p.; v. 11, 1499 p.; v. 12, 1392 p.; v. 13,  

Trollman, W. N., and Maher, J. C., 1971, Geological  
literature on the Gulf and southeastern coastal  
regions of Alaska: Juneau, Alaska Dept. Natural  
Resources, 136 p.

University of Leeds, 1971, List of recent publications  
of African geology: Research Inst. African Geology,  
Univ. Leeds, Ann. Rept., v. 15, p. 64.

Yentsch, A. E., compiler, 1962, A partial bibliography  

Mineral Resources

Averitt, Paul, and Carter, M. D., 1970, Selected  
Sources of information on United States and world  
energy resources; an annotated bibliography: U.S.  
Geol. Survey Circ. 641, 21 p.

Cramer, M. R., 1969, Evaporites -- A selected bibliog-  
v. 53, no. 4, p. 902-1011.

Cruikshank, N. J., 1977, Bibliography on marine  
mining: Washington, D.C., Internat. Decade of Ocean  
Exploration, Seabed Assessment Program Tech. Rept.,  
(#)

Edwards, N. T., 1969, Law of the sea: Mining on the  
continental shelf and beyond; 1963-present -- a  
bibliography: Washington, D.C., Naval Oceanog.  
Office, IR no. 69-63, 11 p.

Glaby, G. P., 1972, Selected bibliography of marine  
manganese nodules: Wellington, N.Z., Oceanog. Inst.,  
MEOI Records, v. 1, no. 2, p. 5-35.
Mineral Resources - Continued


Wang, F. H., 1968, A bibliography of books and published governmental documents on oceanic mineral resources and related technology; Prepared at the request of the State Dept. (8)

Wang, F. P. H., and Quinterno, P. J., 1969, A selectively annotated bibliography on geology and mineral resources of world ocean basine and continental margins: Prepared at the request of AIME as a supplement to AIME position statement on marine mineral resources sovereignty. (9)


Topical Research


Topical Research - Continued


Sinha, Evelyn, 1969, Oceanography from space and aircraft—an annotated bibliography: La Jolla, Calif., Ocean Eng. Inf. Service. (t)


APPENDIX

C. JURISDICTIONAL ASPECTS OF CONTINENTAL
MARGINAL MINERAL RESOURCES (including
governmental policies and leasing
practices)

Mixed Geography

shore boundaries and zones: Columbus, Ohio, Ohio
State Univ. Press, 321 p.

1968, National jurisdiction and the use of the
sea: Natural Resources Jour., v. 8, no. 3, p. 373-
400.

ed., 1968, The law of the sea: The future of the
sea's resources: Kingston, Rhode Island Univ.

and organization for the sea: Law of the Sea
Institute Proc., 3rd Annual Conference, Kingston,
R.I., June 24-27, 1968 (sponsored by Rhode Island
Univ., Graduate School of Oceanography), 469 p.

ed., 1971, The law of the sea: The U.N. and
ocean management: Law of the Sea Institute Proc.,
5th Annual Conference, Kingston, R.I., June 15-19,

1971, The nation-state and the law of the sea:
Marine Technology Society Jour., v. 5, no. 6,
p. 6-8.

Conference—Proceedings of the 6th annual conference
of the Law of the Sea Institute, Univ. Rhode Island,
Kingston, Rhode Island, June 21-24, 1971: Kingston,
Rhode Island Univ., 231 p.

American Bar Association, 1967, Proceedings of the
National Institute on Marine Resources, June 8,
1967. (8)

American Society of International Law, 1968, Panel:
Whose is the bed of the sea?: American Soc.

Andrassy, Juraj, 1969, The continental shelf and
customary international law, International Problems,
Belgrads.

Arledge, G. E., Nadir, A. A., and O'Connell, R. L.,
1972, Recent developments in the law of the seas,
III: A symposium: San Diego Law Review, v. 9,
no. 3, p. 608-667.

Auburn, F. M., 1970, Mineral resources of the oceans
in international and municipal law, in 1970 Austral­
ian Mining Symposium #4, Auckland Univ., Auckland,
New Zealand: published by Legal Research Foundation
(Inc.), School of Law, Auckland Univ., p. 44-45.

Barry, F. J., 1968, The administration of the outer
continental shelf lands act: Natural Resources

1969, Oil and gas interests on the shelf, in
rules and organization for the sea: Law of the Sea
Institute Proc., 3rd Annual Conference, Kingston,
R.I., June 24-27, 1968 (sponsored by Rhode Island
Univ., Graduate School of Oceanography, Dept. of

Bennett, E. F., 1966, Legal climate for undersea
mining, in Exploiting the Ocean (Transactions of the
2nd Annual WTS Conference and Exhibit, June 27-29,

Berardelli, P. J., 1972, International politics
overshadows drilling in deep waters: Offshore,
v. 37, no. 7, p. 43-48.

Bernfeld, S. S., 1967, Developing the resources of the
sea--security of investment: The International

1969, The mining industry and the continental
shelf convention: Institution of Mining and Metal­
lurgy, Transactions, London, Section A, Mining

British Institute of International and Comparative
Law, 1970, Symposium on exploration and exploitation
of the seabed: Bull. Legal Developments, no. 24.

1971, Mineral resources: Bull. Legal Develop­
ments, no. 16, p. 176.

1971, Symposium on exploitation of the seabed:
Bull. Legal Developments, no. 1 (summary only).

Browning, D. S., 1968, Who has what rights on the
continental shelves: Ocean Industry, v. 3, no. 2,
p. 52-56.

1969, The international legal environment for
ocean exploitation: Offshore Technology Conference,
1st Annual, Houston, Texas, May 18-21, 1969 (spon­
sored by nine organizations), v. 2, p. 273-295. (4)

Burke, W. T., 1966, Legal aspects of ocean exploitation
—status and outlook, in Exploiting the Ocean (Trans­
actions of the 2nd Annual WTS Conference and Exhibit,

1966, Ocean sciences, technology and the future
international law of the sea: Ohio State Univ. Press,
Columbus, Ohio, 91 p.

1967, International legal problems of scientific
research in the oceans. Prepared for the National
Council on Marine Resources and Engineering Develop­
ment: Clearing house for Federal Scientific and

Chm., 1967, Proceedings of the conference on
"Law organization and security in the use of the
oceans", Columbus, Ohio, March 17-18, 1967. (4)

v. 3, no. 4, p. 38.

1969, Law, science and the ocean: Rhode Island
Univ., Law of the Sea Institute, Occ. Paper
no. 3, 36 p.

1969, Towards a better use of the oceans: Con­
temporary legal problems in ocean development:
New York, Humanities, 231 p.

1970, Marine science research and international
law: Rhode Island Univ., Law of the Sea Institute,
Mixed Geography - Continued


1968, Regulation of mining in international waters—four possibilities facing the mining industry today: Mining Engineering, v. 20, no. 7, p. 149-152 and 181.


Gardner, F. J., 1971, Oil's offshore activity suppressed by economics, political decisions: Oil and Gas Jour., v. 69, no. 16, p. 97-103.


Griffin, W. L., 1966, Development of law for ocean activities, in Exploiting the Ocean (Transactions of the 2nd Annual MTS Conference and Exhibit, June 27-29, 1966), Marine Technology Society, p. 348-357.


1968, The law of ocean space—text, treaties, statutes, cases and other materials: Washington, D.C.


Hedbery, N. D., 1968, Some matters of concern to the petroleum industry with respect to public policy on mineral resources of the world ocean, in Mineral resources of the world ocean—Symposium, Newport, R.I., 1968, Proc: Rhode Island Univ. Graduate School Oceanography Occ. Pub. 4, p. 86-95.

1969, Who should have jurisdiction over offshore mineral resources?: Oil and Gas Jour., v. 67, no. 21, p. 129-132.

Mixed Geography - Continued


Palmer, W. N., 1971, Territorial sea agreement--key to progress in the law of the sea: The JAG Jour., v. 25, p. 69-78.
Mixed Geography - Continued


Slovenko, Ralph, ed., 1963, Oil and gas operations: Legal considerations in the tidelands and on land: Baton Rouge, La., Claitor’s Book Store, 806 p.


Tulman, W. C., 1966, The legal status of minerals located on or beneath the ocean floor beyond the continental shelf, in Exploiting the Ocean (Transactions of the 2nd Annual NTS Conference and Exhibit, June 27-29, 1966), Marine Technology Soc., p. 405-411.


Canada


United States


American Petroleum Institute, 1969, Statement of policy
--Jurisdiction over the natural resources of the

1971, National jurisdiction over seabed re-
resources: Committee on Public Affairs of the Am.
Petroleum Inst. (#)

Barr, R. J., 1966, Legal aspects of the ownership of
continental shelf resources, in Taney, Norman R.
Research Center, continental shelf research (Pro-
cedings of the Interagency Research Center, Coastal

Bickmore, D. K., 1967, Offshore-onshore petroleum
study, Santa Barbara Channel Phase 1, effects of
federal leasing Outer Continental Shelf: Santa
Barbara County Oil Well Inspection Dept. Rept.,
159 p.

Brown, V. M., 1972, Implications for the petroleum
industry, in Law of the Sea Reports: A year of
1971, Seminar Proc., Washington, D.C., Feb 19
and Oct. 18, 1971 (sponsored by Marine Technology

Browning, D. S., 1969, Some aspects of state and fed-
eral jurisdiction in the marine environment, in
Rules and Organization for the Sea, Law of the Sea
Institute Proc., 3rd Annual Conference, Kingston,
Rhode Island, June 24-27, 1968 (sponsored by Rhode
Island Univ., Graduate School of Oceanography),
p. 89-141.

1969, The sea and ocean politics: Ocean Ind-
dustry, v. 4, no. 1.

California Legislature, 1969, Transcript of joint hear-
ing of Senate Committee on Governmental Efficiency
and Senate Committee on Natural Resources, on Santa
Barbara offshore oil problems: Govt. Publs. Section
L500 G625, no. 2.

California Resources Agency, 1969, Joint report of the
Resources Agency and State Lands Commission (on the
investigation of offshore oil operations on lands
under federal jurisdiction): Govt. Publs. Section
R960 R43.

California State Lands Commission, 1970, A program for
managing the ocean and tidal areas (prepared pursuant
to the legislative directive contained in the
Supplementary Report of the Committee on Conference
relating to the 1970 Budget Act): State Lands
Commission, 62 p.

Carter, L. J., 1968, Continental shelf: Scramble for
3835, p. 1431-1433.

Commission on Marine Science, Engineering and Resources,
1969, Marine resources and legal-political arrange-
ments for their development: Report of the panel on
marine resources: Our Nation and the Sea Commission
on Marine Science, Engineering and Resources, Panel
Office, 257 p.

Commission on Marine Science, Engineering and Resources,
1969, Our nation and the sea--a plan for national
action: Report of the Commission on Marine Science,
Engineering and Resources, Washington, D.C., Govt.

Crews, R. G., 1968, The administration of offshore
mineral leasing statutes in the Pacific northwest
(Alaska and Washington): Natural Resources Lawyer,
v. 1, no. 3, p. 49-59.

Crutchfield, J. A., and Adams, D. A., 1969, Marine re-
sources and legal-political arrangements for their
development: Panel Reports of the Commission on
Marine Science, Engineering and Resources 3.

Dole, H. M., 1970, Non-food resources as viewed by:
Federal mineral resources administration, in
Donaldson, Saudra, Knapp, Beverly, and Horgren,
Martha Ann, eds., Sea Grant Conference, Third,
Proc.: Sponsored by Oregon Univ., Corvallis.
p. 44.

Dover, W. D., and Johnson, Bruce, 1968, Florida's
ocean boundaries: The Sea and the States: Mutual
Problems and their Solutions Conference Proc.,
Miami, Fla., Nov. 20-23, 1968 (sponsored by Gov.
Claude R. Kirk, Jr. and Florida Commission on
Marine Sciences and Technology), p. 68-76.

Ely, Worncutt, 1968, American policy options in the
development of undersea mineral resources: Natural
Resources Lawyer, v. 1, p. 91-95.

1969, The law governing the development of under-
sea resources: Offshore Technology Conference, 3rd
Annual, Houston, Texas, May 18-21, 1969 (sponsored by
nine organizations), v. 1, p. 20-42.  (#)

Finlay, L. W., 1970, The national interest and the
limits of the continental shelf: Marine Technology

1971, Impact of the U.S. draft seabed treaty on
resource allocation and utilization as seen from a
petroleum industry viewpoint: Marine Technology
Soc. Conference Proc., 7th Annual, Washington, D.C.,
Aug. 16-17, 1971, p. 691-700.

1971, The draft United Nations convention on the
International seabed area--American Petroleum
Institute position [Summary]: National Resource
Lawyer, v. 4, p. 73.

Froesch, R. A., 1968, Marine mineral resources--na-
tional security and national jurisdiction, in Keiffer,
Elizabath, ed., Mineral Resources of the World
Ocean Symposium Proc., Newport, R.I., July 11-12,
1968 (sponsored by U.S. Dept. of the Interior,
Geological Survey; Rhode Island Univ. and U.S.
Navy, Rhode Island Univ., Narragansett Marine Lab.),

Goodier, J. L., 1968, Offshore prospecting and mining
laws of the United States: Mining Engineering,

1972, U.S. Federal and seaward states offshore
United States - Continued


Kinney, G. T., 1971, QCS battle to be fought out in Congress in 1972: Oil and Gas Jour., v. 69, no. 51, p. 15-18.


1968, The development of the Pacific Coast - The tidelands and beyond: Paper and address delivered at the Southwest Regional Conference of the American Institute of Real Estate Appraisers. (9)


1970, Current key issues relating to environmental conservation—the oil and gas industries: Prepared by the National Petroleum Council's Committee on Environmental Conservation—the oil and gas industries, W. W. Kailer, Chm., 35 p.

1971, Environmental conservation, the oil and gas industries: a report prepared by the National Petroleum Council's Committee on Environmental Conservation, with the assistance of the Coordinating Subcommittee [Washington].


Nicholls, W. J., 1971, Legal problems regarding the extraction of minerals (including oil and gas) from the continental shelf: Univ. of Miami Sea Grant Technical Bull., no. 14, 120 p.


United States - Continued


Santa Barbara County, 1967, Phase I Effects of Federal leasing Outer Continental Shelf (preliminary report): County of Santa Barbara (California), Oil Well Inspection Dept.


Spangler, M. B., 1970, U.S. economic interests in marine resource developments as affected by alternative boundaries, national, and international management regimes, federal incentives, and other factors of national concern: Testimony before the special subcommittee on the outer continental shelf, Senate Committee on Interior and Insular Affairs, (unpublished), 32 p. (8)

Stone, O. L., 1968, Legal aspects of offshore oil and gas operations: Natural Resources Jour., v. 6, no. 3, p. 476-504.


U.S. Commission on Marine Science, Engineering and Resources, 1969, Marine resources and legal-political arrangements for their development: Washington, D.C.


U.S. Geological Survey Conservation Division, 1969-1971, Notice to lessees and operators of Federal oil, gas and sulphur leases in the Outer Continental Shelf Gulf of Mexico Area: OCS Orders No. 1 through 12--Gulf of Mexico.

1971, Notice to lessees and operators of Federal oil and gas leases in the Outer Continental Shelf Pacific region: OCS Orders.


Europe


Europe - Continued


USSR - Continued


Africa

British Institute of International and Comparative Law, 1968, Ghana offshore minerals; oil; licenses: Legal Developments Bull., no. 24, p. 196.

Middle East

American Society of International Law, 1969, Iran-Saudi Arabia agreement concerning sovereignty over Al'Arabiyah and Farsi Islands and delimitation of boundary line separating submarine areas between the Kingdom of Saudi Arabia and Iran, October 24, 1968: Internat. Legal Materials (Am. Soc. Internat. Law), v. 8, p. 493.


Far East


Oceania

Glassman, M. F., 1971, Legal, logical and geological boundaries of the Australian continent: APEA Jour., v. 11, pt. 1, p. 32-34.


