RESEARCH COMPILATION: QUATERNARY SEDIMENTS

Research on Recent and Pleistocene Sedimentary Deposits in the Atlantic Provinces and Adjacent Areas: Current and Recently Completed Work.

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This compilation deals with current research activity on Quaternary sedimentary deposits, both Recent and Pleistocene, in the Atlantic Region, listing all work, of any kind, that has been reported to the editors of Maritime Sediments. The Atlantic Region is defined, for the purposes of this compilation, as the Atlantic Provinces of Canada, adjacent land areas, and marine areas from Cape Cod to the Eastern Canadian Arctic and from the St. Lawrence estuary to the Mid-Atlantic Ridge.

Most of the information has been obtained in response to questionnaires answered during September and October, 1966. Other items, marked with an asterisk (*) in the main list, are those for which no questionnaire was returned: information for these was derived from previous issues of Maritime Sediments, and a few are from the G.S.C. Report of Activities, May to October, 1965 (Geological Survey of Canada Paper 66-1, ed. S E. JENNESS, 1966); these items are therefore less up-to-date.

For each project, the main list shows the names of research worker(s), institutions(s) and status of research; the classified list indexes key topics. Where news or a report of the work has appeared in Maritime Sediments previously, reference is made on the right-hand side (citation of volume, number and page); if from the G.S.C.Report of Activities, page reference (66-1 p---) is made instead. Institutions of those responding to questionnaires are listed on pages 204-205.

Status of research, as reported by the questionnaire respondent, is indicated by letters at the left margin:

rs	recently started
a	active
nc	nearly complete
rc	recently completed
s	suspended, will be completed later
*	no questionnaire returned.

ABBOTT, D. N.B.R.P.C., & T. HERBERT Michigan
Composition of moraines in areas of subsurface mineralization, Bathurst, N.B.
nc Investigation of heavy mineral content and rock debris in glacial deposits as a guide to mineralisation.

ALI, S.I. Intertidal gravel bodies, Chignecto Bay: see LAMING

ALLEN, R.C. Bell Telephone 2-ii 111
* Surface properties of continental shelf sediments, southwest Nfld.

ANDERSON, T.W. Waterloo
rs Palynology of postglacial deposits in Prince Edward Island.

ANDREWS, J.T. & G. FALCONER Geog. Branch
Isostatic recovery and changes in marine fauna in 1) Foxe Basin-
a involving a study of the nature of isostatic recovery and direction of tilting; 2) Ekalugad Fiord to Cape Hooper (Baffin Island) a study of the effects of local deglacierization pattern in isostatic recovery; 3) Ottawa Islands (Hudson Bay) a study since deglacierization.

ANTHONY, E.H. Foraminiferal ecology, Arctic: see VILKS

ANTHONY, E.H. Foraminifera, Bras d'Or Lake: see VILKS

AYER, N. Gulf of Maine: see RICHARDS

BARGHOORN, E. Fresh water peat, continental shelf: see EMERY

BARNETT, D.M. Geog. Branch
Sublacustrine morphology of a proglacial lake. Generator Lake, central
a Baffin Island, N.W.T. Depths sounded through lake ice, profiles established close to ice-cliffs (part of Barnes Ice Cap), to discover presence or absence of cross-valley moraines. Preliminary plots show occurrences of ridges in the lake.

BARR, S.M. Recent sediments, Cardigan Bay: see LAMING

BARTLETT, G.A. B.I.O. 2-ii 86
* Ecological studies of foraminifera in Atlantic Provinces waters.

BEALS, H. Dalhousie 2-ii 70
* Manganese-iron concretions in Nova Scotia lakes.

BEALS, H. Kelvin Seamount and Bermuda Pedestal: see STANLEY

BELDING, H.F. Esso 2-ii 112
* Sediment and deep hole testing on the Atlantic seaboard.

BOND, G.C. Suspended matter, coastal waters: see MANHEIM

BORNS, H. Bay of Fundy: see SWIFT

BOWER, M.E. Aeromagnetic surveys: see HOOD

BUTTNER, P.J. Rochester
Response models of shoreline complexes. Beach, along-shore bar,
a and lagoon study in selected shoreline areas to develop models (analytical and simulation) for comparison of Middle and Upper Devonian of New York with present day. Field and computer work.

BYERS, D. Debert, periglacial eolian deposits: see SWIFT

CHASE, R.L. W.H.O.I.
Sedimentary rocks dredged from the Mid-Atlantic Ridge at 42°40'N
s and 45°11'N. Rocks were dredged in 1964 (R/V Chain cruise 43). Samples have been sent to Ruth Todd (U.S.G.S.) and T. Saito (Lamont).

COOKE, H.B.S. Fresh water peat, continental shelf: see EMERY

CRAIG, B.C. G.S.C.
Quaternary geology of Hudson Bay Lowland. One phase of a large scale
rs all inclusive reconnaissance to be undertaken by the Survey in 1967. Almost all of this area was submerged following deglaciation so history of marine deposition and land emergence caused by isostatic readjustment is significant in the study.

DAVIES, T. Sable Island Bank: see STANLEY

DRAPEAU, G. Dalhousie, & D.J. STANLEY Smithsonian 1-iv 2, 2-ii 85
Terraces and the Holocene Transgression on the Nova Scotian Shelf.
nc Details the location and depth of terraces between the Northeast Channel and the Laurentian Channel; Holocene still-stands of sea level demonstrated; sub-bottom profiling and sediment analysis.

EMERY, K.O., J.C. HATHAWAY, J. HÜLSEMAN, F.T. MANHEIM, P.F. McFARLIN, A.S. MERRILL, R.M. PRATT, D.A. ROSS, J. SCHLEE, J.V.A. TRUMBULL, & E. UCHUPI W.H.O.I.; T.G. GIBSON, J.E. HAZEL & M. RUBIN U.S.G.S.; D.J. STANLEY Smithsonian; C. SCHELSKE & R.L. WIGLEY Com. Fish
* W.H.O.I.-U.S.G.S. program for the Atlantic Continental Margin 2-ii 55

EMERY, K.O. W.H.O.I.; R.L. WIGLEY Com. Fish; M. RUBIN U.S.G.S.; E. BARGHOORN Harvard; H.B.S. COOKE Dalhousie
Fresh water peat on the continental shelf. About 10 samples containing
nc fresh water peats have been obtained from the shelf off New England at depths as great as 80 metres. Their presence serves as added information of lowered sea level during the past 12,000 years (see also EMERY, Atlantic Continental Margin)

EMERY, K.O. W.H.O.I.; F.C. WHITMORE Jr. U.S.G.S; & D.J.P. SWIFT Puerto Rico
nc Elephants on the continental shelf. 30 teeth of mastodons and mammoths have been dredged from the continental shelf off New England; their presence supplements other findings related to low sea levels during the past 15,000 years. The range of variation of tooth measurements is much less than for similar collections from land, a result of the relatively short time span (20,000 to 10,000 years) represented by the samples (see also EMERY, Atlantic Continental Margin).

ESTES, A. Pollen studies, N.S. lakes: see LIVINGSTONE

FALOONER, G. Isostatic recovery, Arctic: see ANDREWS

FEYLING-HANSSEN, R.W. Aarhus
Stratigraphy and fossil content of the Cape Christian cliffs, east
a central Baffin Island (in association with O.H. LØKEN).

FROTHINGHAM, J.R. Jr. Atlantic Continental Margin sediments: see SCHLEE

GADD, N.R. G.S.C. (66-1 p 163)
* Surficial geology in the St. Sylvestre area, Quebéc

GIBSON, T.G. Atlantic Continental Margin: see EMERY

GIESE, G.S. W.H.O.I.
Beach pebble movements and shape sorting: indices of swash zone
rc mechanics

GRANT, A.C. B.I.O.
1) Continuous seismic profiles on the continental shelf of NE Labrador,
rc using CSS Hudson, July 1965.
2) Continuous seismic profiling, Hudson Bay, using CSS Hudson,
nc July-Sept. 1965. 2-i 31, 2-ii 87
3) Continuous seismic profiling in Ungava Bay and Hudson Strait,
rs using CCGS Labrador, August 1966.

GRANT, A.C. & J.M. STEWART B.I.O.
Continuous seismic profiling, NE Newfoundland continental margin,
a using M/V Theta, June-July 1966.

GRANT, D.R. Cornell
1) Drift Dispersion, N.S. Study of lithological frequency analysis
rc of tills between Yarmouth and Canso are related to source areas and ice currents.
2) Superposed Red Drumlin Till, N.S. Study of drumlin-forming
rc fine grained red till in coastal districts; characteristic lithologies of individual drumlin fields.
3) "Transported" Geochemical Anomalies, N.S. Positive anomalies of
rc heavy metals in stream sediments along the Atlantic coast, relationship to red till and to the mineralized Horton-Windsor contact.
4) Ice-Rafting, Scotian Shelf. Interpretation of bottom sediments
rc outside the Cabot Strait in relation to decay of spring drift ice, and probable sources of material in the Gulf of St. Lawrence.
5) Laurentian Channel Sediments. Study of surficial sediments and
nc episodes of erosion, transport and deposition utilising heavy minerals, grain size and microfauna.

HATHAWAY, J.C. & P.F. McFARLIN W.H.O.I.
Mineralogy of continental margin sediments, N.S. to N.J. (see also
nc EMERY, Atlantic Continental Margin)

HAZEL, J.E. Atlantic Continental Margin: see EMERY

HERBERT, T. Moraines and mineralization, Bathurst, N.B.: see ABBOTT

HICKOX, C.F. Colby Coll. 2-ii 76
* Glacial drainage channels crossing Annapolis County, N.S.

HOOD, P.J., M.E. BOWER, & P. SAWATZKY G.S.C. 2-i 15, 2-ii 81
Aeromagnetic surveys of the continental shelves and deep ocean: Hudson
a Bay, Labrador Sea, Scotia Shelf, Grand Banks & Flemish Cap.

HOOPER, K. Carleton U 1-i 6
Holocene Foraminifera and sediments of Eastern Canada, including the
nc continental shelf.

HÜLSEMANN, J. W.H.O.I.
Organic constituents of sediments of the Atlantic continental margin,
a N.S. to Florida. (see also EMERY, Atlantic Continental Margin)

IMPERIAL OIL LTD. Core-hole drilling, Grand Banks and Gulf of St.
* Lawrence: see PAN-AMERICAN

JAMES, N. PanAm & D.J. STANLEY Smithsonian 1-iv 2, 2-ii 85
Sediment dispersal patterns on (1) Sable Island and (2) Sable Island Bank
rc Distribution of sand-size material on the outer margin of the Scotian Shelf. Origin of sediment; sediment transport by wind, wave, tidal and bottom currents.

JAMES, N. Gully submarine canyon: see STANLEY

JONES, J.F. & P.C. TRESCOTT N.S. Mines 1-iv 25 & in this issue
Surficial and groundwater geology, Annapolis and Cornwallis
nc Valleys, N.S.

JUDD, J. Gully submarine canyon: see STANLEY

KING, C.A.M. Pebble characteristics, Baffin Is.: see PHILPOT

KING, L.H. B.I.O. 2-ii 86
* Sediment distribution map of the Scotian shelf from echograms and bottom sampling; tracing of submarine benches; laboratory separation of organic constituents.

KLEIN, G.deV. Pennsylvania & Hudson Labs 2-i 19, 2-ii 110
Relation of directional properties of intertidal zone sediments to flow
a directions and flow velocity of tidal currents, Five Islands and Economy Point, Minas Basin shore, N.S. The purpose is to relate direction properties (bedforms, grain orientation) and variation in texture and mineralogy to changes of flow of tidal currents. Also a study to relate flow parameters (depth, velocity, sediment textures) to bedform scale. Bouys moored at low tide are visited during periods of submergence to monitor changes in flow direction and parameters. Sediments are sampled for textural and mineralogical analysis; box cores taken of sedimentary structures, and peels made using epoxy and hardener.

KRANCK, K.M. B.I.O. 2-ii 86
* Petrological studies of sediment and bedrock of Northumberland Strait.

KRANCK, K.M. B.I.O., & MARINE SCIENCE CENTRE, McGill 2-ii 86
* Co-operative project in Belle Isle Strait.

KRAUSE, D.C. Rhode Island 2-ii 87
* Seismic profiling of New England Continental Margin.

KRINSLEY, D. Debert, periglacial eolian deposits: see SWIFT

LAI, J. Gulf of Maine: see RICHARDS

LAMING, D.J.C. U.N.B.; S.I. ALI G.S. Pakistan; & N. SZABO U.N.B.
Intertidal and subtidal gravel bodies in Chignecto Bay, 2-i 3, 2-iii 134
a Bay of Fundy. Study of gravel bodies in Alma and Salisbury Bays and near Cape Enragé, south shore of New Brunswick; detailed sampling and aerial photography over a period of years, continuous seismic profiling; study of texture and composition of gravels in relation to nearby glacio-fluvial deposits, buried channels and late Pleistocene events.

LAMING, D.J.C. U.N.B. & S.M. BARR, U.N.B. 2-iii 133
Recent sediments in Cardigan Bay, P.E.I. Beach and offshore sampling
a in a large natural harbour undertaken in summer 1966; textural and carbon analyses to be related to computed wave effects.

LAMING, D.J.C. U.N.B. & J.W. ROWLING Chevron 1-iii 1, 2-i 32,
Recent sediments and morphology of bars, channels and 2-iii 133
a islands, Rustico Harbour, P.E.I. Sampling and detailed surveys in several successive years during which marked changes in channel and island morphology have been observed. Textural analyses to relate grain size to movements of sand bodies; observation of island-building processes.

LANGILLE, J. Pleistocene geol. of N.S.: see MacNEILL

LAUZIER, L.M. F.R.B.
Residual bottom drift over the Continental Shelf, Canadian Atlantic
a coast. Bottom currents as shown by sea-bed drifters are related to sedimentation. Observations are made from the Gulf of St. Lawrence to Gulf of Maine and Bay of Fundy. Observations began in 1961 and are continued.

LEE, H.A. G.S.C. (66-1 p 168)
* The Grand Falls morainic system, N.B.

LIVINGSTONE, D., A. ESTES & M. STEWART Duke
Pollen studies of Nova Scotia lakes - interglacial, late-glacial and
a post-glacial deposits from Eastern Canada (mostly lacustrine from Nova Scotia)

LØKEN, O.H. Geog. Branch
Geomorphology and Pleistocene chronology of east central Baffin Island
a 1) glacial landforms and raised shore features 2) submarine geomorphology of the fiords and adjacent parts of the continental terrace 3) till fabric and pebble characteristics of drift deposits

LORING, D.H., & C.J.G. NOTA B.I.O.
Geomorphology, sedimentology and geochemistry of the Gulf of St. Lawrence
a Begun in 1961, 1) depositional condition in the river and gulf, 2) geomorphology and sedimentology of the southern gulf (Magdalen Shallows); detailed mineralogy and geochemistry of sediments

LYALL, A. Bay of Fundy: see SWIFT

McDONALD, B.G. G.S.C. (66-1 p 167)
Pleistocene geology studies, Richmond-Sherbrooke region, SE Québec.

McDONALD, V.J. Gulf of Maine: see RICHARDS

McFARLIN, P.F. Mineralogy continental margin: see HATHAWAY

McMASTER, R.L. Rhode Island 2-ii 111
* Sediments of the shelf, sounds, bays and beaches in Narragansett Bay, Rhode Island Sound, Block Island Sound and between Georges Bank and Hudson Canyon.

McMULLEN, R.M. B.I.O. 2-iii 131
1) Bottom sediments of the Grand Banks, Newfoundland surface sediment
a samples, grain-size distribution, heavy and light minerals, pebble and clay mineral analysis to establish provenance and sedimentological history.
2) Bottom sediments from the Hecla and Gripes Bay area, Queen Elizabeth
rs Islands, N.W.T. 2-ii 87

McMULLEN, R.M. Bay of Fundy: see SWIFT

MacNEILL, R.H. Acadia & N.S.R.F. 1-iii 16
* Variation in content of some drumlins and tills in SW N.S.

MacNEILL, R.H., E. MacQUARRIE, K. PHILLIPS & J. LANGILLE N.S.R.F.
Pleistocene Geology of Nova Scotia - active work for 16 years; pre-
nc liminary surficial mapping on mainland areas expected to be complete in 1968.

MacQUARRIE, E. Pleistocene geol of N.S.: see MacNEILL

MANHEIM, F.T., R.H. MEADE, J.V.A. TRUMBULL, G.C. BOND, & E. UCHUPI W.H.O.I.
a Suspended matter in Atlantic and Gulf coastal surface waters (see also EMERY, Atlantic Continental Margin)

MARINE SCIENCE CENTRE, McGill Belle Isle Strait: see KRANCK

MARLOWE, J.I. B.I.O. 2-ii 87
* Mineralogical aspects of Baffin Bay sediments and their relationship to ancient currents

MEADE, R.H. Suspended matter, coastal waters: see MANHEIM

MEDIOLI, F. Halifax Harbour, N.S.: see STANLEY

MEDIOLI, F. Kelvin Seamount and Bermuda Pedestal: see STANLEY

MEDIOLI, F. Sable Island Bank: see STANLEY

MERRILL, A.S. Atlantic Continental Margin: see EMERY

MILLER, J. Dalhousie 2-ii 84
* Suspended sediment transport in the Bay of Fundy.

MOORE, M.C. Gulf of Maine: see RICHARDS

MOTT, R.J. G.S.C.
Palynology of postglacial and late Pleistocene deposits in Cape
rc Breton Island.

NOTA, D.J.G. Gulf of St. Lawrence: see LORING

O'BRIEN, N.R. N.Y.S.U.
Diatoms in the Leda Clay (Pleistocene), St. Lawrence River Valley,
a near Massena, N.Y. Electron microscope investigation indicates presence of nannofossil diatoms, size ranges less than 1 micron to 6 microns in diameter; paleoecological significance of the diatoms is also under study.

OLSON, R. Gulf of Maine: see RICHARDS

PAN-AMERICAN PETROLEUM CORP. & IMPERIAL OIL LTD. 2-i 34
* Core hole drilling, Grand Banks & Gulf of St. Lawrence.

PAUL, R. Shallow structure, continental margin: see UCHUPI

PELLETIER, B.R. B.I.O. 2-ii 87
Bottom topography and sediments of Polar Continental Shelf between
a Ellef Ringnes and Borden Islands, Franklin District, N.W.T. Physical and geochemical properties of bottom sediments related to environment and physical framework of the depositional site.

PELLETIER, B.R. & F.J.E. WAGNER, B.I.O.
Bottom studies in Jones Sound, Franklin District, N.W.T. Submarine
a topography and fauna.

PELLETIER, B.R., F.J.E. WAGNER, & A.C. GRANT B.I.O. 2-i 30
Marine geological studies in Hudson Bay, Keewatin District, N.W.T.
a Submarine topography, sediments and fauna and sub-bottom studies of geological structures and formations.

PHILLIPS, K. Pleistocene geol. of N.S.: see MacNEILL

PHILPOT, J.T. Geog. Branch & C.A.M. KING Nottingham
Comparative study of pebble characteristics in Ekalugad Fiord,
a Baffin Island, N.W.T.

PHIPPS, C. Sydney 1-iii 35
* Sedimentological & geochemical study of sediments on Continental Shelf E. of Halifax.

PHIPPS, D. McGill
Equilibrium between sodium and clay minerals in the marine environment
rs Lab experiments will be performed in artificial sea water to determine the rates of attainment of equilibrium; recent marine clays will also be analysed.

PICKETT, T.E. Kelvin Seamount and Bermuda Pedestal: see STANLEY

PISKIN, R. Gulf of Maine: see RICHARDS

PLEISTOCENE GEOLOGY SECTION G.S.C. 1-iv 21
* New Glacial Map of Canada, one of a series for issue in Centennial Year, and concurrently a new account of Surficial Deposits and Pleistocene History for inclusion in 5th Ed. of Geol. & Econ. Minerals of Canada

PRADA, K. Shallow structure, continental margin: see UCHUPI

PRATT, R.M. Atlantic Continental Margin sediments: see SCHLEE

RICHARDS, A.F., R. OLSON, N. AYER, R. PISKIN, J. LAI, V.J. McDONALD, M.C. MOORE Illinois
Mass physical and engineering properties of Wilkinson Basin sediments,
a Gulf of Maine. Laboratory study of large-diameter cores and measurement in place on sea-floor of shear strength (vane shear probe) bulk density (gamma-ray transmission probe) and pore pressure (piezometer probe).

ROSS, D.A. Atlantic Continental Margin: see EMERY

ROWLING, J.W. Recent sediments, Rustico Harbour: see LAMING

RUBIN, M. Fresh water peat, continental shelf: see EMERY

SANDERS, J.E. Hudson Labs 2-i 23
* Geological Calibration Attempt of Side-Looking Sonar, Minas Basin, N.S.

SAWATZKY, P. Aeromagnetic surveys: see HOOD

SCHELSKE, P. Atlantic Continental Margin: see EMERY

SCHLEE, J.S., J.R. FROTHINGHAM Jr., R.M. PRATT W.H.O.I.
Texture of the Atlantic Continental Margin sediments, grain size of
nc bottom sediment samples collected on a 10-mile grid over shelf and slope. (see also EMERY, Atlantic Continental Margin)

SCHWARTZ, M. Brooklyn Coll. 1-iv 11
Beach observations along E coast of N.S. to determine patterns of
a tidal-cycle sedimentation in the littoral zone. Indian Harbour and Smith Cove, Guysborough Co. chosen because of minimal shore-drift characteristics. Fluoresecent tracers were injected in depth and samples taken in sequence along the beach profile.

SHEARER, J. Memorial
Recent sediment distribution in Port-au-Port Bay, Newfoundland.
a Mineralogy and texture of the bottom sediments to be compared with mineralogy and texture of the beach and Pleistocene deposits with the hope of establishing a source; also weathering and erosive processes undergone by sediments to be studied.

SILVERBERG, N. Sable Island Bank: see STANLEY

STANLEY, D.J. Smithsonian 2-iii 135
* Color of sediments on the Atlantic continental margin (see also EMERY, Atlantic Continental Margin)

STANLEY, D.J. Smithsonian 2-iii 134
* Statistical analysis of coastal sand deposits (see also BUTTNER)

STANLEY, D.J. et al Smithsonian
Submarine geology of the Nova Scotian continental shelf and slope. A
a long term project concerned with origin and distribution of sediments, bottom and sub-bottom morphology; ice-rafting, submarine canyon sedimentation, reconstruction of the Holocene transgression and sedimentary dispersal patterns.

STANLEY, D.J. Smithsonian; T. DAVIES S. Carolina; F. MEDIOLI Dalhousie; N. SILVERBERG Washington; & D.J.P. SWIFT Puerto Rico 1-iv 2,
Sedimentation on the continental slope and rise off Sable 2-ii 85
nc Island Bank, N.S. Texture, mineralogy and faunal content of the modern deep-sea sediments. Origin of materials; sediment transport downslope.

STANLEY, D.J. Smithsonian; N. JAMES PanAm; & J. JUDD Rutgers 1-iv 2,
Modern and Quaternary sediment transport via the Gully 2-ii 86
rc submarine canyon.
1) the sediment types found and how materials move downslope; 2) how source and supply has been affected during the glacial periods, during the Holocene transgression and in recent time. Evidence of turbidite and non-turbidite movement.

STANLEY, D.J. Smithsonian & D.J.P. SWIFT Puerto Rico
Concretions on Georges Bank. Origin, distribution, petrography
nc and contained fossils.

STANLEY, D.J. Smithsonian, & F. MEDIOLI Dalhousie 2-ii 86, 2-iii 134
* Sediment and foraminiferal dispersal patterns in the Northwest Arm, Halifax Harbour, N.S.

STANLEY, D.J., T.E. PICKETT Smithsonian; D.J.P. SWIFT Puerto Rico; F. MEDIOLI, H. BEALS Dalhousie 2-ii 85
* Morphology and sediment distribution of Kelvin Seamount chain (39°N and 64°W), the Bermuda Pedestal and Apron, and the Bermuda Islands.

STANLEY, D.J. Sable Island: see JAMES

STANLEY, D.J. Terraces, N.S. Shelf: see DRAPEAU

STEWART, J.M. Seismic profiles, NE Nfld.: see GRANT

STEWART, M. Pollen studies, N.S. lakes: see LIVINGSTONE

SWIFT, D.J.P. Puerto Rico; R.M. McMULLEN B.I.O.; A. LYALL Dalhousie; & H. BORNS Maine 2-ii 84 and in this issue
a 1) Quaternary sedimentation and stratigraphy in the Bay of Fundy and 2) Geometry and primary structures of tide-maintained sand bodies, eastern Bay of Fundy.

SWIFT, D.J.P. Puerto Rico; D. BYERS Phillips; & D. KRINSLEY Queens Coll
* Periglacial eolian deposits at the Debert archaeological site, N.S. 2-i 25

SWIFT, D.J.P. Elephants, continental shelf: see EMERY

SWIFT, D.J.P. Concretions, Georges Bank: see STANLEY

SWIFT, D.J.P. Kelvin Seamount and Bermuda Pedestal: see STANLEY

SWIFT, D.J.P. Sable Island Bank: see STANLEY

SZABO, N. Intertidal gravel bodies, Chignecto Bay: see LAMING

TAGG, R. Shallow structure, continental margin: see UCHUPI

TERASMAE, J. G.S.C. 1-ii 19
nc 1) Palynology of postglacial deposits in Rivière-du-Loup, Québec, to Fredericton, N.B.
a 2) Palynological and paleobotanical study of samples of submerged peat near Sable Island.

TIPHANE, M. Montreal 1-ii 5
a Texture, mineralogy and origin of surface sediments in the Gulf of St. Lawrence, Québec. Mud samples taken of Chaleur Bay and between Gaspé and Anticosti Island, also shore sands and gravels of the Gaspé Peninsula.

TRESCOTT, P.C. Surficial geol, parts N.S.: see JONES

TRUMBULL, J.V.A. Suspended matter, coastal waters: see MANHEIM

UCHUPI, E., R. TAGG, R. PAUL, K. PRADA W.H.O.I. 2-iii 117
nc Shallow structure of the continental margin from N.S. to Florida Keys seismic profiles, about 16,000 km have been recorded; the 10,500 joule sparker used has given penetrations of 0.5 - 1 km. This structural section probably represents the entire Tertiary. Throughout this time the continental slope in the area appears to have been formed by sediment progradation seaward. This deltaic structure was modified during the Pleistocene by cutting of canyons along the slope (see also EMERY, Atlantic Continental Margin)

UCHUPI, E. Suspended matter, coastal waters: see MANHEIM

VILKS, G. B.I.O.
rs Foraminifera of the Hecla and Gripes Bays and Hazen Strait, N.W.T.

VILKS, G. & E.D. ANTHONY B.I.O.
nc Distribution studies of foraminifera in Bras d'Or Lake, Cape Breton Island Variance and mean of population counts was used to study the micro-distribution of benthic Foraminifera. Analysis of variance applied to study of temporal and lateral changes in counts. Association analysis used to study ecological discontinuities in the area.

VILKS, G., E.H. ANTHONY, & W.T. WILLIAMS B.I.O.
rc Application of association analysis to a survey of the sediment fauna of an Arctic Basin. The use of a statistical model in the studies of foraminiferal ecology was tested.

WAGNER, F.J.E. B.I.O. 2-ii 86
* Fossils of the ancient Champlain Sea

WAGNER, F.J.E. Jones Sound, N.W.T.: see PELLETIER

WAGNER, F.J.E. Marine geology, Hudson Bay: see PELLETIER

WHITMORE, F.C. Jr. Elephants, continental shelf: see EMERY

WIGLEY, R.L. Fresh water peat, continental shelf: see EMERY

WILLIAMS, W.T. Foraminiferal ecology, Arctic: see VILKS

YORATH, C. Queen's 1-iii 35
* Sedimentological, foraminiferal & ecological study of Scotian Shelf, E. of Halifax.

ZEIGLER, J. W.H.O.I. 2-ii 111
* Coastal dynamics, velocity profile in the zone of shoaling waves, genesis of coastal currents and mechanics of ripple motions.

GEOGRAPHICAL INDEX

Key words from all items in the main list are indexed here according to area and main field of study. Geographical division of the continental shelf gives six marine areas, plus another for deep sea work. Land locations are listed under the adjacent marine area.

GULF OF MAINE

including Cape Cod and Georges Bank areas.

Recent Sediments

Atlantic Continental Margin program: EMERY et al
Beach pebble movements & shape sorting: GIESE
Block I Sound, sediments: McMASTER
Bottom currents & sedimentation, Gulf of Maine: LAUZIER
Coastal currents: ZIEGLER
Coastal dynamics: ZIEGLER
Coastal sand deposits, statistical analysis: STANLEY

Colour of sediments, Continental margin: STANLEY
Concretions, Georges Bank: STANLEY & SWIFT
Continental margin, colour of sediments: STANLEY
Continental Margin, mineralogy of sediments: HATHAWAY & McFARLIN
Continental margin, texture of sediments: SCHLEE et al
Continental margin, shallow structure: UCHUPI et al
Georges Bank, concretions: STANLEY & SWIFT
Georges Bank to Hudson Canyon, sediments: McMASTER
Gulf of Maine, bottom currents & sedimentation: LAUZIER
Hudson Canyon to Georges Bank, sediments: McMASTER
Mineralogy, Continental Margin sediments: HATHAWAY & McFARLIN
Narragansett Bay, sediments: McMASTER
Peat on shelf: EMERY et al
Response models, shoreline complexes: BUTTNER
Rhode I Sound, sediments: McMASTER
Ripple motions, coastal: ZIEGLER
Sea level changes, peat on shelf: EMERY et al
Shallow structure, continent margin: UCHUPI et al
Shape sorting & beach pebble movements: GIESE
Shoreline complexes, response models: BUTTNER
Statistical analysis, coastal sand deposits: STANLEY
Suspended matter in coastal surface waters: MANHEIM et al
Swash zone mechanics: GIESE
Texture of sediments, Continental Margin: SCHLEE et al
Wave motions, coastal: ZIEGLER

Pleistocene Geology

Atlantic Continental Margin program: EMERY et al

Paleontology

Atlantic Continental Margin program: EMERY et al
Elephants on shelf: EMERY et al

Other

Atlantic Continental Margin, organic constituents: HÜLSEMAN
Engineering properties, Wilkinson Basin sediments, Gulf of Maine: RICHARDS et al
Mineralogy, Continental Margin sediments: HATHAWAY & McFARLIN
New England continental margin, seismic profiling: KRAUSE
Organic constituents, Atlantic Continental Margin: HÜLSEMAN
Seismic profiling, New England continental margin: KRAUSE
Wilkinson Basin sediments, Gulf of Maine, engineering & physical properties: RICHARDS et al

BAY OF FUNDY

Recent Sediments

Annapolis Valley, NS, groundwater geology: JONES & TRESCOTT
Bay of Fundy, sediments: SWIFT et al
Bottom currents & sedimentation, Bay of Fundy: LAUZIER
Chignecto Bay, gravel bodies: LAMING & SZABO
Cornwallis Valley, NS, groundwater geology: JONES & TRESCOTT
Economy Point, intertidal zone sediments: KLEIN
Five Islands, intertidal zone sediments: KLEIN
Gravel bodies, Chignecto Bay: LAMING & SZABO
Intertidal gravels, Chignecto Bay: LAMING & SZABO
Intertidal zone sediments, Five Islands, Economy Point, Minas Basin shore: KLEIN
Minas Basin shore, intertidal zone sediments: KLEIN
Suspended sediment transport in Bay of Fundy: MILLER
Tidal currents & intertidal zone sediments, Five Islands, Economy Point & Minas Basin: KLEIN

Tide-maintained sand bodies, E Bay of Fundy: SWIFT et al
Transport of suspended sediment in Bay of Fundy: MILLER

Pleistocene Geology

Annapolis Co, NS, glacial drainage channels: HICKOX
Annapolis Valley, NS, surficial geology: JONES & TRESCOTT
Bay of Fundy, sedimentation & stratigraphy: SWIFT et al
Cornwallis Valley, NS, surficial geology: JONES & TRESCOTT
Debert, periglacial eolian deposits: SWIFT et al
Eolian periglacial deposits, Debert: SWIFT et al
Glacial drainage channels, Annapolis Co, NS: HICKOX
Nova Scotia, Pleistocene geology: McNEILL et al

Other

Groundwater geology, Annapolis & Cornwallis valleys: JONES & TRESCOTT
Sonar, side-looking, calibration, Minas Basin: SANDERS

SCOTIAN SHELF

Recent Sediments

Bottom currents & sedimentation, Scotian Shelf: LAUZIER
Continental shelf E of Halifax, sedimentology: PHIPPS C.
Continental shelf, E of Halifax, sedimentology: YORATH
Continental shelf & slope, submarine geology: STANLEY et al
Dispersal patterns of sediments, Sable I & Sable I bank: JAMES & STANLEY
Distribution of sediments, Scotian Shelf: KING L.H.
Eastern shore NS, littoral zone: SCHWARTZ
Gully submarine canyon, sediment transport: STANLEY et al
Halifax Harbour, sediment dispersal: STANLEY & MEDIOLI
Holocene Transgression, Scotian Shelf: DRAPEAU & STANLEY
Littoral zone, tidal-cycle sedimentation, E shore NS: SCHWARTZ
Organic constituents in Scotian shelf sediment: KING L.H.
Sable I & Sable I Bank, sediment dispersal patterns: JAMES & STANLEY
Scotian Shelf, bottom currents & sedimentation: LAUZIER
Scotian Shelf, sediment distribution map: KING L.H.
Submarine geology, continental shelf & slope: STANLEY et al
Tidal-cycle sedimentation, littoral zone, E shore NS: SCHWARTZ

Pleistocene Geology

Drift dispersion, NS: GRANT D.R.
Drumlin till, NS: GRANT D.R.
Drumlins & tills, SW N S, variation in content: MacNEILL
Gully submarine canyon, sediment transport: STANLEY et al
Ice-rafting, Scotian shelf: GRANT D.R.
Nova Scotia, Pleistocene geology: MacNEILL et al
Terraces, Scotian Shelf: DRAPEAU & STANLEY
Till, red drumlin, NS: GRANT D.R.
Tills & drumlins, SW N S, variation in content: MacNEILL

Paleontology

Bras d'Or L, Cape Breton, foraminifera distribution: VILKS & ANTHONY
Cape Breton, Bras d'Or L, foraminifera distribution: VILKS & ANTHONY
Cape Breton, palynology of post-glacial & late Pleistocene: MOTT
Continental shelf, E of Halifax, foraminifera & ecology: YORATH
Ecology, foraminifera, Atlantic Provinces waters: BARTLETT
Foraminifera, Atlantic Province waters: BARTLETT
Foraminifera distribution, Bras d'Or L, Cape Breton: VILKS & ANTHONY
Foraminifera & ecology, continental shelf E of Halifax: YORATH
Halifax Harbour, foraminiferal dispersal: STANLEY & Medioli

Lakes in NS, palynology: LIVINGSTONE et al
Palynology, NS Lakes: LIVINGSTONE et al
Palynology of postglacial & late Pleistocene, Cape Breton I: MOTT
Palynology of submerged peat, Sable I: TERASMAE
Peat, submerged near Sable I, palynology: TERASMAE
Sable I, palynology of submerged peat: TERASMAE

Other

Aeromagnetic survey, Scotian Shelf: HOOD et al
Concretions, N.S. lakes: BEALS
Continental shelf E of Halifax, geochemistry of sediments: PHIPPS C.
Geochemistry of sediments, continental shelf E of Halifax: PHIPPS C.
Geochemical stream anomalies, NS: GRANT D.R.
Manganese-iron concretions, NS lakes: BEALS
Scotian Shelf, aeromagnetic survey: HOOD et al
Stream sediments, geochemical anomalies, NS: GRANT D.R.

GULF OF ST. LAWRENCE

including St. Lawrence River Valley, Cabot Strait, and west coast of Newfoundland

Recent Sediments

Anticosti I - Gaspé bottom sediments study: TIPHANE
Beach mineralogy & texture, Port-au-Port Bay: SHEARER
Belle Isle Strait: KRANCK & McGILL
Bottom currents & sedimentation, Gulf of St. Lawrence: LAUZIER
Cardigan Bay, P E I, sediments: LAMING & BARR
Chaleur Bay, sedimentology: TIPHANE
Core hole drilling, Gulf of St. Lawrence: PAN-AMERICAN & IMPERIAL
Fredericton, N.B, to Rivière-du-Loup Qué, palynology, postglacial deposits: TERASMAE
Gaspé-Anticosti I, bottom sediments study: TIPHANE
Gulf of St. Lawrence, bottom currents & sedimentation: LAUZIER
Gulf of St. Lawrence, core hole drilling: PAN-AMERICAN & IMPERIAL
Gulf of St. Lawrence, mineralogy & geochemistry of sediments: LORING & NOTA
Island morphology, Rustico Harbour, P E I: LAMING & ROWLING
Laurentian Channel sediments: GRANT D.R.
Mineralogy of sediments, Gulf of St. Lawrence: LORING & NOTA
Mineralogy & texture of sediments, Port-au-Port Bay: SHEARER
Northumberland Strait, petrology of sediments: KRANCK
Port-au-Port Bay, mineralogy & texture of sediments: SHEARER
Post glacial deposits, P E I, palynology: ANDERSON
Rivière-du-Loup, Qué. to Fredericton N B, palynology, postglacial deposits: TERASMAE
Rustico Harbour, P E I, sediments: LAMING & ROWLING
Surface properties, continental shelf sediments, SW Nfld: ALLEN
SW Nfld continental shelf sediments, surface properties: ALLEN

Pleistocene Geology

Bathurst, N B, moraines, heavy minerals: ABBOTT & HERBERT
Champlain Sea, fossils: WAGNER
Grand Falls, N B, moraines: LEE
Moraines, Grand Falls, N B: LEE
Moraines, heavy minerals, Bathurst N B: ABBOTT & HERBERT
Pleistocene deposits, Port-au-Port Bay: SHEARER
Richmond-Sherbrooke region, Qué, Pleistocene geology: McDONALD B.G.
Sherbrooke-Richmond region, Qué, Pleistocene geology: McDONALD B.G.
St. Sylvestre area, Qué, surficial geology: GADD

Paleontology

Diatoms, Leda Clay, St. Lawrence R valley, N Y: O'BRIEN
Ecology, foraminifera, Atlantic Provinces waters: BARTLETT
Foraminifera, Atlantic Provinces waters: BARTLETT
Laurentian Channel microfauna: GRANT D.R.
Leda Clay, St. Lawrence R valley N Y, diatoms: O'BRIEN
Palynology, postglacial deposits, P E I: ANDERSON
Palynology, Rivière-du-Loup, Qué to Fredericton N B: TERASMAE
St. Lawrence R valley, diatoms in Leda Clay, Massena, N Y: O'BRIEN

Other

Geochemistry, Gulf of St. Lawrence: LORING & NOTA
Geomorphology, Gulf of St. Lawrence: LORING & NOTA
Gulf of St. Lawrence, geomorphology, & geochemistry: LORING & NOTA

N.E. NEWFOUNDLAND, LABRADOR SHELF AND GRAND BANKS

Recent Sediments

Core hole drilling, Grand Banks: PAN-AMERICAN & IMPERIAL
Grand Banks, core-hole drilling: PAN-AMERICAN & IMPERIAL
Mineralogy of sediments, Grand Banks: McMULLEN
Grand Banks, bottom sediments: McMULLEN

Other

Aeromagnetic survey, Grand Banks, Flemish Cap & Labrador Sea: HOOD et al
Continental shelf, NE Nfld, seismic profiling: GRANT A.C. & STEWART
Flemish Cap, aeromagnetic survey: HOOD et al
Grand Banks, aeromagnetic survey: HOOD et al
Labrador Sea, aeromagnetic survey: HOOD et al
Labrador shelf NE, seismic profiles: GRANT A.C.
Nfld NE, continental shelf, seismic profiling: GRANT A.C. & STEWART
Seismic profiles, NE Labrador shelf: GRANT A.C.
Seismic profiling, NE Nfld continental margin: GRANT A.C. & STEWART

EASTERN ARCTIC

including Hudson Bay

Recent Sediments

Baffin I, Ekalugad Fiord, pebble characteristics: PHILPOT & KING
Baffin Bay sediments, mineralogy & relation to ancient currents: MARLOWE
Bottom topography, Jones Sound, N W T PELLETIER & WAGNER
Bottom topography & sediments, Polar continental shelf, Ellef Ringnes I to Borden I, N W T: PELLETIER
Ekalugad Fiord, Baffin I, pebble characteristics: PHILPOT & KING
Ellef Ringnes I to Borden I, N W T Polar continental shelf: PELLETIER
Gripes Bay, Qu. Elizabeth Is, N W T, bottom sediments: McMULLEN
Hecla Bay, Qu. Elizabeth Is, N W T, bottom sediments: McMULLEN
Hudson Bay, submarine topography & sediments: PELLETIER et al
Jones Sound, N W T, bottom topography: PELLETIER & WAGNER
Mineralogy of Baffin Bay sediments: MARLOWE
Pebble characteristics, Ekalugad Fiord, Baffin I: PHILPOT & KING
Polar continental shelf, Ellef Ringnes I to Borden I, N W T: PELLETIER

Sub-bottom studies, Hudson Bay: PELLETIER et al
Submarine topography, Hudson Bay: PELLETIER et al

Pleistocene Geology

Baffin I, Cape Christian cliffs, Pleistocene chronology: FEYLING-HANSSEN
Baffin I, geomorphology, pleistocene chronology, raised beaches, fiord & shelf morphology, till fabrics: LØKEN
Baffin I, isostatic recovery: ANDREWS & FALCONER
Baffin I, sublacustrine morphology, Generator L: BARNETT
Cape Christian, Baffin I, Pleistocene chronology: FEYLING-HANSSEN
Continental shelf morphology, E central Baffin I: LØKEN
Deglacierization, Baffin I & Hudson Bay: ANDREWS & FALCONER
Foxe Basin, isostatic recovery: ANDREWS & FALCONER
Fiords, Baffin I: LØKEN
Generator L, Baffin I, moraines in lake: BARNETT
Geomorphology, Baffin I: LØKEN
Hudson Bay Lowland, isostatic readjustment & marine deposition: CRAIG
Isostatic readjustment, Hudson Bay Lowland: CRAIG
Isostatic recovery, Foxe Basin, Baffin I, Hudson Bay: ANDREWS & FALCONER
Jones Sound, N W T, bottom topography: PELLETIER & WAGNER
Marine deposition, Hudson Bay Lowland: CRAIG
Moraines, Generator L. Baffin I: BARNETT
Ottawa Is, isostatic recovery: ANDREWS & FALCONER
Pleistocene chronology, Baffin I: LØKEN
Proglacial lake, Generator L, Baffin I: BARNETT
Raised beaches, Baffin I: LØKEN
Till fabrics, Baffin I: LØKEN

Paleontology

Baffin I, Cape Christian cliffs, fossils & stratigraphy: FEYLING-HANSSEN
Foraminifera, Hecla & Gripes Bays & Hazen Strait, N W T: VILKS
Foraminiferal ecology, statistical model in arctic basin: VILKS et al
Gripes Bay, N W T, foraminifera: VILKS
Hazen Strait, N W T, foraminifera: VILKS
Hecla Bay, N W T, foraminifera: VILKS
Hudson Bay, fauna: PELLETIER et al
Marine faunal changes, Foxe Basin, Baffin I, Hudson Bay: ANDREWS & FALCONER

Other

Aeromagnetic survey, Hudson Bay: HOOD et al
Hudson Bay, aeromagnetic survey: HOOD et al
Hudson Bay, seismic profiling: GRANT A.C.
Hudson Strait & Ungava Bay, seismic profiling: GRANT A.C.
Seismic profiling, Hudson Bay: GRANT A.C.
Seismic profiling, Ungava Bay & Hudson Strait: GRANT A.C.
Ungava Bay & Hudson Strait, seismic profiling: GRANT A.C.

DEEP SEA

from the continental slope to the Mid-Atlantic Ridge

Recent Sediments

Bermuda Pedestal & Apron and the Bermuda Is, morphology & sediment distribution: STANLEY et al
Continental slope and rise S of Sable I Bank: STANLEY et al
Kelvin Seamount chain, morphology & sediment distribution: STANLEY et al

Paleontology

Continental slope and rise S of Sable I Bank, faunal content: STANLEY et al

Other

Mid-Atlantic Ridge, sedimentary rocks: CHASE
Sedimentary rocks dredged from Mid-Atlantic Ridge: CHASE

GENERAL STUDIES IN THE REGION

Recent Sediments

Atlantic seaboard, deep-hole tests: BELDING
Holocene foraminifera & sediments E. Canada: HOOPER

Pleistocene Geology

Atlantic seaboard, deep-hole tests: BELDING
Glacial Map of Canada, new: PLEISTOCENE GEOL. SECTION G.S.C.

Paleontology

Foraminifera, Holocene, E. Canada: HOOPER

Other

Clay minerals & sodium equilibrium in marine environment: PHIPPS D.
Sonar, side-looking, calibration: SANDERS

Late addition to general list

MALLICK, K.A. McGill

nc Weathering of rocks and mobility of elements in soil profiles of Mont St. Hilaire, Que. 1) relative effect of mechanical and chemical transportation of overburden under varying drainage and topographic conditions and on different rock types. 2) correspondence between bedrock and soil composition

LIST OF RESPONDENTS' INSTITUTIONS

Aarhus	AARHUS UNIVERSITY, Denmark: Feyling-Hanssen.
Acadia	ACADIA UNIVERSITY, Wolfville, N.S.: MacNeill.
B.I.O.	BEDFORD INSTITUTE OF OCEANOGRAPHY, Dartmouth, N.S.: Anthony, Bartlett, A.C. Grant, L.H. King, Kranck, Loring, McMullen, Marlowe, Pelletier, J M. Stewart, Vilks, Wagner, Williams.
Brooklyn Coll.	BROOKLYN COLLEGE, Brooklyn, N Y.: Schwartz.
Carleton	CARLETON UNIVERSITY, Ottawa, Ont: Hooper.
Chevron	CHEVRON STANDARD LIMITED, Calgary, Alberta: Rowling
Cornell	CORNELL UNIVERSITY, Ithaca, N.Y.: D.R. Grant.
Com. Fish.	BUREAU OF COMMERCIAL FISHERIES, Woods Hole, Mass.: Schelske, Wigley.
Dalhousie	DALHOUSIE UNIVERSITY, Halifax, N S.: Beals, Cooke, Medioli
Duke	DUKE UNIVERSITY, Durham, N. Carolina: Estes, Livingstone M. Stewart.
Geog. Branch	GEOGRAPHICAL BRANCH, DEPARTMENT OF ENERGY, MINES & RESOURCES, Ottawa, Ont: Andrews, Barnett, Falconer, Løken, Philpot.

G.S.C.	GEOLOGICAL SURVEY OF CANADA, Ottawa, Ont.: Bower, Craig, Gadd, Hood, Lee, B.G. McDonald, Mott, Sawatzky, Terasmae.
G.S. Pakistan	GEOLOGICAL SURVEY OF PAKISTAN, Quetta, W. Pakistan: Ali
Harvard	HARVARD UNIVERSITY, Cambridge, Mass.: Barghoorn.
Hudson Labs	HUDSON LABORATORIES OF COLUMBIA UNIVERSITY, Dobbs Ferry, N.Y.: Klein, Sanders.
Illinois	UNIVERSITY OF ILLINOIS, Urbana, Ill.: Ayer, Lai.
Maine	UNIVERSITY OF MAINE, Orono, Maine: Borns.
McGill	McGILL UNIVERSITY, Montreal, Que.: Mallik, D. Phipps.
Memorial	MEMORIAL UNIVERSITY OF NEWFOUNDLAND, St. John's, Nfld.: Shearer.
Michigan	MICHIGAN STATE UNIVERSITY, East Lansing, Mich.: Herbert.
Montreal	UNIVERSITY OF MONTREAL, Montréal, Qué.: Tiphane
N.B.R.P.C.	NEW BRUNSWICK RESEARCH & PRODUCTIVITY COUNCIL, Fredericton, N.B.: Abbott.
Nottingham	UNIVERSITY OF NOTTINGHAM, Nottingham, England: C.A.M. King.
N.S. Mines	NOVA SCOTIA DEPARTMENT OF MINES, Halifax, N.S.: Jones, Trescott.
N.S.R.F.	NOVA SCOTIA RESEARCH FOUNDATION, Halifax, N.S.: Langille, MacNeill, MacQuarrie, Phillips.
N.Y.S.U.	STATE UNIVERSITY OF NEW YORK, Potsdam, N.Y.: O'Brien.
Pan Am	PAN AMERICAN PETROLEUM CORPORATION, Calgary, Alberta: James
Pennsylvania	UNIVERSITY OF PENNSYLVANIA, Philadelphia, Penn.: Klein.
Puerto Rico	PUERTO RICO NUCLEAR CENTER, Mayaguez, Puerto Rico: Swift.
Rochester	UNIVERSITY OF ROCHESTER, Rochester, N Y.: Buttner
Rhode Is.	UNIVERSITY OF RHODE ISLAND, Kingston, R.I.: Krause, McMaster.
Rutgers	RUTGERS UNIVERSITY, New Brunswick, N J.: Judd.
S. Carolina	UNIVERSITY OF SOUTH CAROLINA, Columbia, S. Carolina: Davies
Smithsonian	SMITHSONIAN INSTITUTION, United States National Museum, Washington, D.C.: Pickett, Stanley.
Washington	UNIVERSITY OF WASHINGTON, Seattle, Washington: Silverberg.
U.N.B.	UNIVERSITY OF NEW BRUNSWICK, Fredericton, N.B.: Barr, Laming, Szabo.
U.S.G.S.	UNITED STATES GEOLOGICAL SURVEY, Washington, D.C.: Gibson, Hazel, Rubin, Whitmore Jr.
Waterloo	UNIVERSITY OF WATERLOO, Waterloo, Ontario: Anderson.
W.H.O.I.	WOODS HOLE OCEANOGRAPHIC INSTITUTION, Woods Hole, Mass.: Bond, Chase, Emery, Frothingham, Giese, Hathaway, Hülseman, Manheim, McFarlin, Meade, Merrill, Paul, Prada, Pratt, Ross, Schlee, Tagg, Trumbull, Ziegler.
F.R.B.	FISHERIES RESEARCH BOARD OF CANADA, Biological Station, St. Andrews, N.B.: Lauzier.

ADDENDUM

Several questionnaires were returned for projects outside the compilation area, and are listed below as an addendum. They are not included in the classified index or index of institutions.

KRAFT, J.C. University of Delaware
a Geology of the sediments and microfauna of the coastal environments of Delaware

MANHEIM, F.T. W.H.O.I.
Interstitial waters and chemical composition of JOIDES cores
nc Joint Oceanographic Institutions Deep Earth Sampling drillings off Florida, 1965.

MANHEIM, F.T., R.M. PRATT & P.F. McFARLIN W.H.O.I.
Composition and mineralogy of manganese and phosphate deposits of
a Blake Plateau.

PILKEY, O.H., P.M. TERLECKY, L.J. DOYLE, E.L. ESTES & W.C. CLEARY Duke University, Beaufort, N.C. 1-iv 11
Carbonate sedimentation on the Atlantic continental shelf of the
a SE U.S. Aspects of the carbonate fraction under study include size distribution, mineralogy, roundness, organic and inorganic components, ratios of old to fresh shells, broken to whole shells, abundance of black shells, etc.

SCHUBEL, J.R. Johns Hopkins University, Baltimore, Md.
Suspended sediment in Upper Chesapeake Bay. The load, mineralogical
a composition and size distribution are being determined as well as the relative contributions to the total load from various sources.

ANNOUNCEMENT

UNIVERSITY OF NEW BRUNSWICK

Staff Vacancies in the Department of Geology

Appointments are to be made to the teaching staff of the Department of Geology, commencing in Fall 1967. The present staff consists of seven permanent and two visiting professors. Preference will be given to applications from persons qualified in the following fields:

Geophysics

Geochemistry

Stratigraphy

Persons applying should give details of qualifications, current research activity, publications, and the names of three referees. Applications should be sent to the Chairman, Department of Geology, University of New Brunswick, Fredericton, N.B., Canada, preferably before 1st February, 1967.