

Special Publication No. 2

**SOUTHEASTERN
GEOLOGY**



**DIRECTORY OF GEOLOGICAL
RESEARCH IN THE SOUTHEAST**

SOUTHEASTERN GEOLOGY

PUBLISHED QUARTERLY

AT

DUKE UNIVERSITY

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- (1) Type the manuscript with double space lines and submit in duplicate.
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- (3) Submit line drawings and complex tables as finished copy.
- (4) Make certain that all photographs are sharp, clear, and of good contrast.
- (5) Stratigraphic terminology should abide by the Code of Stratigraphic Nomenclature (AAPG, v. 45, 1961).

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DIRECTORY OF GEOLOGICAL RESEARCH IN THE SOUTHEAST

by

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S. Duncan Heron
William J. Furbish
and
Naydean Baker

Published at Duke University
Durham, N. C.
1969

INTRODUCTION

This directory has been compiled as part of a program for offering the opportunity to geologists of the Southeast to coordinate the planning of their research. The listing was assembled from inquiries circulated during the spring and summer of 1968; the subject index follows the system used by the Bibliography of North American Geology. The status of projects is indicated as follows:

- A (almost complete)
- B (active)
- C (just beginning)
- D (inactive)

The authors request comment on this directory. We would be pleased to have opinions on such questions as:

1. In what way is the directory useful to you?
2. Does the subject index suggest areas and topics that are being neglected?
3. Should the directory be published each year?

ADAMS, John K., Temple University, Department of Geology, Philadelphia, Pennsylvania, 19122

Diagenetic phosphates from the Coastal Plain. Status: B

ALABAMA GEOLOGICAL SURVEY AND STATE OIL AND GAS BOARD,
P. O. Drawer "O", University, Alabama, 35486

1. Conservation of fresh water by deep-well disposal of liquid wastes, Status: C
2. Evaluation by test drilling of geophysical prospecting for groundwater in the Piedmont area, Alabama. Status: B
3. Aquifer performance tests under two phase flow conditions. Status: C
4. Environmental geology studies of the Florence-Sheffield area, Alabama. Status: A
5. The development of geochemical and geophysical techniques as an aid to determining availability of ground water in limestone terranes. Status: A

ALBERSTADT, Leonard Philip, Vanderbilt University, Department of Geology, Nashville, Tennessee, 37203

Litho- and biostratigraphy of the Middle and Upper Ordovician rocks of central Tennessee. Status: B

ALLEN, Eldon P., North Carolina Department of Conservation and Development, Division of Mineral Resources, 212 State Administration Building, P. O. Box 2719, Raleigh, North Carolina, 27602

Evaluation of the Carolina Slate Belt clays and shales in North Carolina. Status: B

- ALLEN, Eldon P.; WILSON, William F., Evaluation of the Triassic clays and shales in North Carolina. Status: A
- ALLEN, Rhesa M., Jr., Louisiana Tech, School of Engineering, Ruston, Louisiana, 71370
1. Metamorphic rocks of northern Blue Ridge area, Virginia. Status: A
 2. Surface water hydrology of north central Louisiana. Status: B
 3. Faulting along the west front of the Blue Ridge in Virginia. Status: B
- ALLINGHAM, J. W., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242
1. Geophysical studies in Maryland. Status: B
 2. Piedmont [Combined aeromagnetic, radiation and electromagnetic surveys of the South Boston, Milton, and Danville 15' quadrangles, Virginia]. Status: B
- ALTSCHULER, Z. S., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242
- Geochemistry of heavy metals in weathering. Status: B
- ANDERSEN, H. V., Louisiana State University, Geology Department, Baton Rouge, Louisiana, 70803
- Geology of Natchitoches Parish, Louisiana. Status: B
- ARKLE, Thomas, Jr., West Virginia Geological and Economic Survey, Morgantown, West Virginia, 26505
1. Construction and industrial minerals of West Virginia. Status: A
 2. Sands and gravels of West Virginia. Status: A
 3. The Pennsylvanian System in West Virginia. Status: B
 4. Shale and clay evaluation study in West Virginia. Status: B

ASMUSSEN, Loris E., Southeast Watershed Research Center, P. O.
Box 946, Tifton, Georgia, 31794

1. Hydrology of ponds and pits in Georgia. Status: B
2. ASMUSSEN, Loris E.; STEPHENS, John C., Groundwater accretion and movement in relation to geomorphology, use, and watershed management in the Southern Coastal Plains. Status: B

BADON, Calvin, Louisiana State University, Department of Geology,
Baton Rouge, Louisiana, 70803

Physical and chemical properties of salt, Cote Blanche Salt
Dome, Louisiana. Status: C

BAIN, Roger J., University of Virginia, Department of Geology, Char-
lottesville, Virginia, 22903

Stratigraphic distribution of heavy minerals in Tertiary sedi-
ments of the Virginia Coastal Plain. Status: C and B

BAIRD, Donald. See PATTERSON, O. F., III.

BARLOW, James A., University of Tennessee, Department of Geology,
Knoxville, Tennessee, 37916

Stratigraphy of the youngest Pennsylvanian age strata of Tennes-
see including descriptions of the fossil floras. Status: A

BELL, Henry, U. S. Geological Survey, Agricultural Research Center,
Beltsville, Maryland, 20705

1. Geochemical studies in the Southeastern states. Status: B
2. Geochemical studies in McCormick County, South Carolina.
Status: A
3. Geologic investigations in the Concord area, Cabarrus County,
North Carolina. Status: D

BENTLEY, Robert D., Georgia State College, Department of Geology,
Atlanta, Georgia, 30303

1. Geology of Lee County, Alabama. Status: A
 2. Geology of Goat Rock fault zone, Georgia and Alabama. Status: B
 3. Geology of Brevard fault zone, Alabama. Status: C
- BERGQUIST, H. R., U. S. Geological Survey, Geologic Division, Washington, D. C., 20242
- Mesozoic Foraminifera. Status: B
- BERGSTROM, Stig M., The Ohio State University, Department of Geology, 125 S. Oval Drive, Columbus, Ohio, 43210
- Middle Ordovician conodonts and biostratigraphy in the Appalachian Valley of Alabama, Tennessee, and Virginia. Status: B
- BERRYHILL, H. R., Jr., U. S. Geological Survey, Geologic Division, Washington, D. C., 20242
1. Duke University-Carolina nearshore. Status: B
 2. Organic material in Recent sediments, Jarrett Bay and South River. Status: B
- BERRYHILL, L. R., U. S. Geological Survey, Geologic Division, Washington, D. C., 20242
- Foraminifera-Pamlico Sound, North Carolina. Status: B
- BILLINGS, G. K., Louisiana State University, Department of Geology, Baton Rouge, Louisiana, 70803
1. Experimental diagenesis of argillaceous marine sediments. Status: C
 2. Mineralogy and geochemistry of continental shelf sediments off Louisiana. Status: C
 3. Geochemistry of aquifers as affected, or potentially affected by offtake or recharge. Status: C

BISHOP, B. A., East Carolina University, Department of Geology,
Greenville, North Carolina, 27834

1. Stratigraphy and paleontology of Atlantic Coast Tertiary forma -
tion. Status: C
2. Paleoecology of the Yorktown Formation. Status: C
3. Carbonate petrography of Appalachian limestones. Status: D

BLACKBURN, W. H. See DENNEN, W. H.

BLANCHARD, Frank N., University of Florida, Department of Geol -
ogy, Gainesville, Florida, 32601

1. Investigations of secondary phosphate minerals in phosphate
sediments of Florida. Status: B
2. Thermoluminescence of fluorite. Status: D

BLOUNT, Charles, University of Georgia, Department of Geology,
Athens, Georgia, 30601

Hydrothermal solubility and stability relations of barite ($BaSO_4$)
and witherite ($BaCO_3$). Status: B

BOLLINGER, G. A., Virginia Polytechnic Institute, Department of
Geological Sciences, Blacksburg, Virginia, 24601

1. Seismicity studies of the Central Appalachians. Status: C
2. Earthquake focal mechanism studies. Status: B

BOND, Thomas A., Georgia Southern College, Department of Geology,
Statesboro, Georgia, 30458

Palynological and paleoecological investigation of Pleistocene
peat bogs in South Georgia. Status: B

BOYER, Paul S., Rice University, Department of Geology, Houston,
Texas, 77001

1. An actuopaleontological study of the larger invertebrates of the
coast of Louisiana. Status: A

2. Pelecypod beak wear. Status: A
- BRADLEY, W. H., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242
- Study of algae and other microorganisms at Mud Lake, Florida. Status: B
- BRICKER, Owen P. See CLEAVES, Emery T.
- BRIGGS, Garrett, University of Tennessee, Department of Geology, Knoxville, Tennessee, 37919
- Sedimentation in Breton Sound and the effects of the Mississippi River-Gulf outlet (Louisiana). Status: A
- BROOKS, H. K., University of Florida, Department of Geology, Gainesville, Florida, 32601
1. Plio-Pleistocene stratigraphy of Florida. Status: A
2. Coastal features and sea level. Status: B
- BROWN, C. Q., East Carolina University, Geology Department, P. O. Box 2751, Greenville, North Carolina, 27834
1. Geology and mineral resources of Pickens County, South Carolina. Status: A
2. Geology of the Sumter West quadrangle. Status: A
3. The Carolina Bays, their lithologic characteristics and origin. Status: D
- BROWN, Philip M., U.S. Geological Survey, Water Resources Division, Raleigh, North Carolina
- Permeability distribution in sediments of the Atlantic Coastal Plain (New York-Florida). Status: B
- BROWN, William Randall, University of Kentucky, Department of Geology, Lexington, Kentucky, 40506

1. Origin of the Hazel Patch Sandstone of Southeast Kentucky. Status: B
 2. Geology and mineral resources of the Dillwyn quadrangle. Status: Complete
 3. Geology map of the Livingston quadrangle, Kentucky. Status: B
 4. Geologic map of the Willard quadrangle, Kentucky. Status: B
 5. BROWN, William Randall; WEIR, Gordon, Pennsylvanian conglomerates in southeast Kentucky. Status: C
- BURDICK, Dennis W., University of Iowa, Department of Geology, Iowa City, Iowa.
- Genevievian and Chesterian crinoids of Alabama. Status: B
- BURFORD, Arthur E.; RUSS, David, West Virginia University, Morgantown, West Virginia, 26505
- Geologic report on the Princeton 7.5 minute quadrangle. Status: B
- BURFORD, Arthur E.; RYAN, William, Geologic report on the Bluefield 7.5 minute quadrangle. Status: B
- BUTLER, James Robert, University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514
1. Geology of the Black Mountain 7 1/2-minute quadrangle, North Carolina, (and Blue Ridge front west of Old Fort, N. C.) Status: B
 2. Orbicular diorite from Davie County, North Carolina. Status: A
 3. Geology of the Sauratown Mountains area, Stokes County, North Carolina; including Hanging Rock and part of King quadrangles, with reconnaissance in N.E. Stokes County and N.W. Rockingham County. Status: B
 4. Geology of the Brevard Zone in North Carolina. Status: B
- BYERLY, Jay, West Virginia University, Morgantown, West Virginia, 26505

Geophysical study of portions of North Mountain, West Virginia.
Status: B

CAHOON, Elizabeth J., Auburn University, Department of Geology, Auburn, Alabama, 36830

1. Anatomy of a fossil wood from the Tuscaloosa Group of Alabama.
Status: B
2. Palynology of the Tuscaloosa Group of Alabama. Status: C

CAMERON, C. C., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242

Studies of peat. Status: B

CAMPBELL, Lois J., University of Kentucky, Department of Geology, Lexington, Kentucky, 40506

1. Fauna and Paleocology of the Pennsylvanian Kendrick Shale of eastern Kentucky. Status: B
2. Sponge spicules from the Middle Silurian of Kentucky and Ohio. Status: D
3. A Cephalopod faunule from the Borden (Mississippian) of Kentucky. Status: C

CARMAN, Max F., Jr., University of Houston, Geology Department, Houston, Texas, 77004

1. Petrology of leucocratic alkaline rocks of Terlingua Region, West Texas. Status: B
2. Petrology and geochemistry of the Rattlesnake Mountains Intrusion near Terlingua, Texas. Status: B

CARPENTER, David., West Virginia University, Morgantown, West Virginia, 26505

Stratigraphy of the upper Allegheny and lower Conemaugh groups of Preston County, West Virginia. Status: B

CARPENTER, John R., University of South Carolina, Department of Geology, Columbia, South Carolina, 29208

Geochemistry and petrology of Appalachian alpine-type ultramafics. Status: B

CARPENTER, Michael, West Virginia University, Morgantown, West Virginia, 26505

Structure and stratigraphy of a portion of North Mountain, West Virginia. Status: B

CARPENTER, Robert H., University of Georgia, Geology Department, Athens, Georgia, 30601

1. Metamorphic isograds in the Blue Ridge of Tennessee and North Carolina. Status: A

2. Distribution of pyrite and pyrrhotite in metamorphic rocks of the Blue Ridge province, Tennessee and North Carolina. Status: C

3. Geochemical exploration for zinc, copper, and nickel deposits in east Tennessee and western North Carolina. Status: B

CARRINGTON, Thomas J., Auburn University, 206 Allison Labs., Auburn, Alabama, 36830

1. Stratigraphy of rocks within the Talladega Group by palynological and other methods. Status: B

2. Geology of Chilton County, Alabama. Status: B

CARVER, Robert E., University of Georgia, Department of Geology, Athens, Georgia, 30601

1. Stratigraphy and environments of deposition in the Jackson Group of Georgia. Status: B

2. Hydrology of the Coastal Plain aquifer in Georgia. Status: B

CATHCART, J. B., U. S. Geological Survey, Geologic Division, Washington, D. C., 20242

Southeast United States phosphate. Status: B

CHAPPELL, Dan, University of South Carolina, Department of Geology, Columbia, South Carolina, 29208

Clay mineral investigation of the Talbot Terrace in Berkley County, South Carolina. Status: B

CHEEK, Robert, West Virginia University, Morgantown West Virginia, 26505

Distribution of clays and sulfur in coal. Status: B

CHEN, Ping-Fan, West Virginia Geological and Economic Survey, Morgantown, West Virginia, 26505

Stratigraphic study concerned with the oil and gas possibilities of the lower Paleozoic rocks in West Virginia. Status: B

CHOWNS, Timothy Michael, University of Georgia, Department of Geology, Athens, Georgia, 30601

Petrology of the Clinton Ironstones in northwest Georgia. Status: C

CHRISTOPHER, Raymond A., Louisiana State University, Department of Geology, Baton Rouge, Louisiana.

Palynology of the Eutaw Formation in the subsurface of Alabama. Status: B

CLARK, G. Michael, The University of Tennessee, Department of Geology, Knoxville, Tennessee, 37916

1. Mechanism(s) of origin, post-movement recovery, and recurrence interval of debris slides in the Central and Southern Appalachians. Status: C

2. Distribution and origin of patterned ground in the Central and Southern Appalachians. Status: B

- CLARKE, Otis M., Jr., Geological Survey of Alabama, P. O. Box O,
University, Alabama, 35486
1. Eufaula, Alabama, bauxite investigation. Status: A
 2. Lateritic weathering in Piedmont Province, southeastern United States. Status: A
 3. Geochemical prospecting in lateritic soils, Alabama Piedmont. Status: C
- CLEAVES, Emery T., Maryland Geological Survey, 210 Latrobe Hall
Baltimore, Maryland, 21218
1. Coastal Plain and surficial geology of Baltimore County. Status: B
 2. CLEAVES, Emery T.; GODFRY, Andrew E.; BRICKER, Owen P.,
Silicate weathering and composition of natural waters. Status: B
- COHEN, Arthur D., The Pennsylvania State University, Organic Sedi-
ments Laboratory, 428 Deike Bldg. University Park, Pennsylv-
ania
- The petrology of some peats of Southern Florida. Status: A
- COLQUHOUN, Donald John, University of South Carolina, Department
of Geology, Columbia, South Carolina, 29202
- Environmental succession in Coastal Plain evolution. Status: B
- CONANT, Louis, U.S. Geological Survey, Geologic Division, Wash-
ington, D. C., 20242
1. Geology of Cecil County, Maryland. Status: B
 2. Pre-Selma Cretaceous of Alabama. Status: B
- COOK, John T., North Carolina State University, Department of Geo-
sciences, Raleigh, North Carolina, 27607
- Geology of the Oxford area, North Carolina. Status: A

COOLEY, Tillman W., Jr., University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514

The stratigraphy of the "Lilesville" gravels and related deposits of North Carolina. Status: B

COOPER, B. N. See LOWRY, W. D.

COULTER, H. W., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242

Engineering geology of the western part of the Washington, D.C., metropolitan area. Status: B

CRAMER, Fritz H., Florida State University, Department of Geology, Tallahassee, Florida, 32306

1. Silurian palynology of Atlantic borders. Status: A

2. Ordovician and Lower Devonian palynology. Status: B

CRAMER, Howard Ross, Emory University, Atlanta, Georgia, 30322

Permian stratigraphy and paleontology, Sublett Mountains, southern Idaho. Status: B

CROSBY, Percy, East Carolina University, Department of Geology, Greenville, North Carolina, 27834

Mineralogical and chemical variation in anorthositic and mangeritic rocks in New York. Status: B

CROWLEY, William Patrick, Maryland Geological Survey, Johns Hopkins University, Baltimore, Maryland, 21218

1. Stratigraphy and structure of the Baltimore Gabbro in eastern Baltimore County, Maryland. Status: B

2. Bedrock geology of Baltimore County (7¹/₂' mapping). Status: B

CURRAN, H. Allen, Department of Earth, Space and Graphic Sciences, U. S. Military Academy, West Point, New York

1. Upper Cretaceous Foraminifera and Subsurface stratigraphy of the southeastern North Carolina Coastal Plain. Status: A
2. Conodonts from the Whistle Creek Limestone (Middle Ordovician) of Virginia. Status: A
3. Cretaceous Foraminifers of the North Carolina Coastal Plain. Status: B

DANIELS, R. B. See WHEELER, W. H.

DAVIES, William E., U.S. Geological Survey, 125 W. Greenway Blvd., Falls Church, Virginia, 22046

1. River terraces and gravel deposits, Potomac River Basin. Status: B
2. Engineering geology, Appalachia. Status: D
3. Geological guide to the Chesapeake and Ohio National Historical Monument. Status: B

DeFORD, Ronald K., University of Texas, University Station Box 7609, Austin, Texas, 78712

Geothermal survey of North Carolina. Status: C

DENAHAN, Steve A., University of Florida, Department of Geology, Gainesville, Florida, 32601

Mineralogy and petrology of the secondary phosphates of Florida. Status: B

DENNEN, W. H.; BLACKBURN, W. H., University of Kentucky, Department of Geology, Lexington, Kentucky, 40506

1. Quartz geothermometry. Status: B
2. Partition of elements among coexisting minerals. Status: B

DENNISON, J. See WHEELER, W. H.

DONALDSON, Alan C., West Virginia University, Department of Geology, Morgantown, West Virginia, 26505

Terrace deposits and Pleistocene lake clays in the Morgantown area. Status: B

DOUGLAS, Robert G., Case Western Reserve University, Department of Geology, Cleveland, Ohio. 44106

1. Paleozoogeography of Cretaceous Planktonic Foraminifera in North America. Status: B

2. The Cretaceous Atlantic Basin. Status: C

DUANE, David B., Coastal Engineering Research Center, 5201 Little Falls Road, N. W., Washington, D. C., 20016

1. Sand inventory, Florida Continental Shelf. Status: B

2. Sand inventory, Norfolk, Virginia. Status: B

DuBAR, Jules R., Morehead State University, Geoscience Department, Morehead, Kentucky, 40351

1. Neogene stratigraphy of the lower Coastal Plain, Cape Fear Arch area, North Carolina-South Carolina. Status: A

2. Neogene stratigraphy, Middle Coastal Plain, Cape Fear Arch area, North Carolina-South Carolina. Status: A

3. Biostratigraphy of the Waccamaw Formation, North Carolina-South Carolina. Status: A

DUCKWORTH, Diana, Duke University, Department of Geology, Durham, North Carolina

1. Cooper Marl-Hawthorne Formation, stratigraphy in South Carolina. Status: A

2. DUCKWORTH, Diana; PILKEY, Orrin, Shape of quartz particles in continental margin sediments. Status: B

DUNN, David E., University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514

1. The Brevard zone, North Carolina. Status: B
2. Geologic map of Surry County, North Carolina. Status: A
3. Effect of anisotropy and interstitial fluid pressure on rupture point of rocks. Status: C

EARGLE, D. Hoyer, U.S. Geological Survey, 801 Federal Building, Austin, Texas, 78701

1. Parent materials of the soils of Texas. Status: D
2. Uranium geology of the Texas Coastal Plain. Status: B

EDDY, Greg E., West Virginia Geological and Economic Survey, Morgantown, West Virginia, 26505

Stratigraphy of the Monongahela Group in parts of West Virginia, Ohio and Pennsylvania. Status: B

EDWARDS, Johathan, Jr., Maryland Geological Survey, The Johns Hopkins University, Baltimore, Maryland, 21218

1. Geology of the Union Bridge (7¹/₂') quadrangle, Frederick County, Maryland. Status: B
2. Economic geology of the Wakefield Marble in Carroll and Frederick Counties, Maryland. Status: B
3. Geology and mineral resources of the Union Bridge quadrangle, Carroll and Frederick Counties, Maryland. Status: B

ELLISON, Robert, Department of Geology, University of Virginia, Charlottesville, Virginia, 22903

Foraminifera (Recent benthonic) in the Chesapeake Bay area and adjoining shelf. Status: B

EMERY, K. O. See UCHUPI, Elazar.

ENGLUND, K. J., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242

1. Low-sulfur coal, Appalachian region, Virginia and West Virginia. Status: B

2. Pocahontas coal, Virginia. Status: B

ERWIN, Robert B., West Virginia Geological and Economic Survey, Morgantown, West Virginia, 26505

Animal fossils of West Virginia. Status: B

ESPENSHADE, Gilbert H.; RANKIN, D. W., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242

Winston-Salem 2-degree quadrangle. Status: B

EVANS, Ian, University of South Carolina, Department of Geology, Columbia, South Carolina, 29208

The post-mortem history of the skeletal material of benthic invertebrate fauna in Anasco Bay, Puerto Rico. Status: A

FALLS, Darryl L., University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514

Parameters, interrelationships in calcareous sands. Status: C

FAIRLEY, William M., University of Notre Dame, Department of Geology, Notre Dame, Indiana, 46556

Structure and stratigraphy of the Murphy Belt and adjacent rocks in northern Georgia. Status: B

FELDMANN, Rodney M., Kent State University, Geology Department, Kent, Ohio, 44240

Taxonomic revision of the family Nuculidae (Pelecypoda). Status: C

FERM, John C., Louisiana State University, Department of Geology, Baton Rouge, Louisiana, 70803

1. Carboniferous evidence for Continental Drift. Status: B
 2. Carboniferous environments in the Pocahantas coalfield. Status: C
- FIELD, Michael; PILKEY, Orrin, Duke University, Box 6665, College Station, Durham, North Carolina, 27708
- Feldspar distribution in North Carolina continental margin sediments. Status: A
- FIELDS, Noland E., Western Kentucky University, Geography-Geology Department, Bowling Green, Kentucky, 42101.
- Phylogenetic relationships of Tertiary Adeonid Bryozoa in the Central Gulf Coast. Status: B
- FISHER, G. W., U. S. Geological Survey, Geologic Division, Washington, D. C., 20242
- New Windsor quadrangle. Status: B
- FISHER, Irving S., University of Kentucky, Department of Geology, Lexington, Kentucky, 40506
1. Evaluation of Sr:Ca ratios in Ordovician limestones of Central Kentucky. Status: A
 2. Nature of dolomitization in the Ordovician Camp Nelson Limestone of Central Kentucky. Status: A
- FULLAGAR, Paul D., University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514
1. Effect of weathering on rubidium-strontium whole-rock ages. Status: A
 2. Rubidium-strontium age of the Tioga Bentonite (Devonian). Status: A
 3. Tertiary felsitic intrusions near Monterey, Virginia. Status: A

4. Rubidium-strontium ages of whole-rock granites and gneisses in the Southeast, Salisbury granite, North Carolina, Liberty Hill granite, South Carolina, Carolina-Roan gneiss, North Carolina, Lynchburg gneiss, Virginia, Grayson gneiss, Virginia, Great Smoky Formation, Tennessee. Status: B
5. Age of sulfide mineralization at Ore Knob, North Carolina and Ducktown, Tennessee. Status: B
6. Rubidium-strontium age of the Mt. Rogers volcanics, Virginia. Status: B
7. Radiometric dating of tectonic events in the Appalachians of Southwestern Virginia. Status: A

FURBISH, William J., Duke University, P.O. Box 6665, College Station, Durham, North Carolina, 27708

1. Phosphate mineralogy of the Deep River Triassic Coal Basin of North Carolina. Status: B
2. Study of chloritoid and its relationships in the chloritoid bearing rocks of North Carolina and South Carolina. Status: B

GAMBLE, E. E. See WHEELER, W. H.

GANSTER, Maurice. See STEARNS, R. G.

GIARDINI, A. A., University of Georgia, Department of Geology, Athens, Georgia, 30601

1. Mineral-reducing gas interactions at elevated temperatures and pressures. Status: B
2. Study of gas and mineral inclusions in diamond. Status: B
3. Compressibility and triaxial stress measurements of rocks. Status: B

GIBBS, Gerald V., Virginia Polytechnic Institute, Department of Geological Sciences, Blacksburg, Virginia.

1. Crystal chemistry of olivines. Status: B

2. Crystal chemistry of garnets. Status: B
3. Crystal chemistry of amphiboles. Status: B
- GIBSON, T. G., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242
1. Stratigraphic studies of the Miocene, Maryland, Virginia, and Delaware. Status: B
2. Tertiary mollusca, Atlantic Coastal Plain. Status: B
- GLASER, John C., Maryland Geological Survey, The Johns Hopkins University, Baltimore, Maryland, 21218
- Mineral resources of the Southern Maryland Coastal Plain. Status: B
- GLAWE, Lloyd N., Northeast Louisiana State College, Department of Geology, Monroe, Louisiana.
- Pecten perplanus stock (Oligocene) of southeastern United States. Status: Completed
- GLOVER, Lynn, III., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242
- Northern slate belt, North Carolina. Status: B
- GODFRY, Andrew E. See CLEAVES, Emery T.
- GOODWIN, Bruce K., College of William and Mary, Department of Geology, Williamsburg, Virginia, 23185
1. Geology of the Hylas 7¹/₂ minute quadrangle, Virginia. Status: A
2. Geology of the Midlothian 7¹/₂ minute quadrangle, Virginia. Status: B
3. Heavy minerals of the James River sediments, Virginia. Status: B
4. Composition and structure of the Petersburg granite, Virginia. Status: C

5. Structure of the eastern piedmont of Virginia. Status: C
- GOUGER, J. See WHEELER, W. H.
- GREENE, William M., 4234B Myrtlewood Drive, N. W., Huntsville, Alabama, 35805
- Laser absolute gravimeter. Status: B
- GRIFFIN, Villard Stuart, Jr., Clemson University, Department of Chemistry and Geology, Clemson, South Carolina, 29631
- Structural, petrologic, and stratigraphic interrelationships between the Inner Piedmont, Brevard, and Blue Ridge assemblages in northwestern South Carolina. Status: B
- GROOT, Johan J., University of Delaware, Department of Geology, Newark, Delaware, 19711
1. Distribution of pollen and spores in deep-sea sediments. Status: B
2. Palynology of Pleistocene sediments of Delaware. Status: C
- GROSS, M. Grant, Smithsonian Institution, Division of Sedimentology, Washington, D. C., 20560
- Sedimentary processes in the Potomac River Estuary. Status: A
- GUIDROZ, Ralph R., Texas Instruments, Inc., 3157 Cochester, Dallas, Texas
1. Worldwide seismicity 1960 and 1963. Status: Completed
2. Kurile Island ocean bottom seismometer experiment. Status: Completed
3. Aleutian Island ocean bottom seismometer experiment. Status: Completed
- HACK, J. T., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242
- Geomorphology of the Morganton area, North Carolina. Status: B

HADLEY, J. B., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242

Geology of the Knoxville 2° quadrangle. Status: B

HAHMAN, W. Richard, North Carolina Division of Mineral Resources, P. O. Box 2719, Raleigh, North Carolina, 27602

Metallogenetic study of the "Slate Belt" of North Carolina. Status: B

HALE, Robin C., Tennessee Valley Authority, Geologic Branch, 442 Evans Building, Knoxville, Tennessee, 37902

1. Gold deposits, Monroe and Polk Counties, Tennessee. Status: B

2. Nickel dispersion patterns, western North Carolina. Status: B

HANSEN, Harry J., Maryland Geological Survey, Johns Hopkins University, Baltimore, Maryland, 21218

1. Preparation of an aquifer atlas of the important artesian formations of the Maryland Coastal Plain. Status: B

2. Stratigraphic framework study of the Coastal Plain aquifer of Maryland. Status: B

HANSHAW, P. M., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242

Fairfax quadrangle. Status: B

HAPP, Stafford C., USDA Sedimentation Laboratory, Agricultural Research Service, P.O. Box 30, Oxford, Mississippi, 38655

1. Modern valley sedimentation in north-central Mississippi. Status: B

2. Alluvial sedimentation in Oklawaha River Valley, Florida. Status: C

HARPER, C. T., Florida State University, Department of Geology, Tallahassee, Florida, 32306

Potassium-argon isotopic age studies of the Appalachians and related orogenic belts. Status: C

HARRELL, Hunter; and others, Tennessee Valley Authority, Geologic Branch, 442 Evans Building, Knoxville, Tennessee, 37902

Refined techniques in use of refraction seismograph in shallow subsurface exploration for engineering purposes. Status: B

HARRINGTON, John W., Wofford College, Department of Geology, Spartanburg, South Carolina, 29302

1. Feasability study of the petroleum potential in the Southeastern states. Status: B

2. Unconventional methods of exploration for oil and gas. Status: Complete

3. Blue Ridge Front, explanation of, etc. Status: C

HARRIS, L. D., U. S. Geological Survey, Geologic Division, Washington, D. C., 20242

Southern Appalachian folded belt. Status: B

HARRISS, Robert C., Florida State University, Department of Oceanography, Tallahassee, Florida, 32306

1. Marine geochemistry of Pd, Ir, Au, and Os. Status: A

2. Geochemistry of freshwater manganese concentrations. Status: A

3. Chemical mass balance calculations in relation to oceanic evolution. Status: B

4. Kinetics of mineral-water reactions in estuaries. Status: B

5. Phosphate equilibria in the deep sea. Status: B

6. Geochemistry of marine vertebrate bone mineral. Status: B

7. Experimental studies on the effects of trace element coprecipitation on the lattice parameters and solubility of hydroxylapatite. Status: C

8. Atmospheric chemistry of boron and flouride. Status: C
9. Application of specific ion electrode techniques to geochemical problems. Status: B

HART, George F., Louisiana State University, Department of Geology,
Baton Rouge, Louisiana

1. Synopsis of Permian palynology of southern Africa. Status: A
2. Preliminary investigation of Permian palynology of Guatemala. Status: D
3. Computerized information system for Permian palynology. Status: B
4. Information system for Cretaceous palynology. Status: B
5. Miocene-Pliocene coccoliths of Jamaica. Status: B
6. Holocene palynology of Mississippi Delta. Status: B
7. Holocene palynology of Mississippi River Plume. Status: C
8. Sedimentation of biologic particles in Gulf of Mexico. Status: C

HATCHER, Robert D., Jr., Clemson University, Department of
Chemistry and Geology, Clemson, South Carolina, 29631

1. Stratigraphy and structure of the Poor Mountain sequence in northwestern South Carolina. Status: B
2. Structural control of drainage patterns in the Blue Ridge, Brevard zone, and Poor Mountain Belt of northwestern South Carolina. Status: B
3. Geology mapping of the Whetstone, Fair Play, Holly Springs, Rainy Mountain, and Tugaloo Lake quadrangles, northwestern South Carolina Status: B

HAUGHT, Oscar L., West Virginia Geological and Economic Survey,
Morgantown, West Virginia, 26505

1. State-wide structure map on the top of the Greenbrier. Status: B
2. Oil and gas report and map of Ohio, Brooke, and Hancock Counties, West Virginia. Status: A
3. Geologic investigations of the Charlestown area, West Virginia. Status: A
4. The Mississippian system in West Virginia. Status: B

HENRY, Vernon J., Jr., University of Georgia Marine Institute, Sapelo Island, Georgia, 31327

1. Depositional history and processes of salt marsh deposits. Status: B
2. Origin and distribution of suspended sediment in estuaries. Status: B
3. Sediment distribution and related processes, Georgia Continental Shelf. Status: B

HERON, S. Duncan, Jr., Duke University, P. O. Box 6665, College Station, Durham, North Carolina 27708

1. Bioturbate structure in Myrtle Beach Formation, South Carolina Status: C
2. Heron, S. Duncan; JUDD, Jim; JOHNSON, H. S., Jr., Clastic dikes in the Coastal Plain of South Carolina-North Carolina Status: A

See also JORGESON, Eric.

HERZ, Norman, U.S. Geological Survey, Geologic Division, Washington, D. C., 20242

1. Roseland District, Virginia. Status: B
2. Rutile deposits of United States. Status: B

- HEYL, A. V., Jr., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242
1. Heavy metals studies in northeastern Appalachians. Status: B
 2. Ore deposits control. Status: B
- HOBDAY, David K., Louisiana State University, Department of Geology, Baton Rouge, Louisiana.
1. Lower Pennsylvanian sediments of northeast Alabama. Status: B
- HOBSON, Richard D., Emory University, Geology Department, Atlanta, Georgia, 30322
- A sedimentologic investigation of marine and nonmarine environments associated with the Althawaha River drainage system, southeast Georgia. Status: B
- HOROWITZ, Alan Stanley, Indiana University, Geology Department, 1005 East 10th Street, Bloomington, Indiana, 47401
- Pterotocrinus zonation in the Chesterian rocks of eastern United States. Status: B
- HOPE, R. C. See PATTERSON, O. F., III.
- HOWARD, J. Hatten, III., University of Georgia, Department of Geology, 265 Sherwood Drive, Athens, Georgia, 30601
1. Studies of saprolite and its relation to the migration and occurrence of ground water in crystalline rocks. Status: B
 2. Geochemical occurrence and behavior of selenium in Cretaceous sediments of the Southeast. Status: C
 3. Geochemistry of selenium. Status: A;B
- HOWE, Henry V., Louisiana State University, School of Geology, Baton Rouge, Louisiana, 70803
- Bibliographic index of Ostracoda, Cambrian to Recent. Status: B

HOYT, John H. , University of Georgia, Marine Institute, Sapelo Island, Georgia, 31327

1. Precision mapping of Pleistocene shorelines southeastern United States. Status: B
2. History of formation and alternation of Salt Marsh Deposits, Central Georgia coast. Status: B

HULL, John E. , U.S. Geological Survey, Water Resources Division, Room 730, 51 SW 1st, Miami, Florida, 33130

1. Seepage studies along the Hourn Dikes, Lake Okeechobee, Florida. Status: A
2. Hydrology of Canal III area, south Florida. Status: B

HUNTER, Richard G. , West Virginia Geological and Economic Survey, Morgantown, West Virginia, 26505

Chemical properties of some West Virginia construction sand and gravels. Status: B

See also RENTON, J. J.

HURD, Frederic, North Carolina Department of Water and Air Resources, P. O. Box 472, Ahoskie, North Carolina, 27910

1. Ground water of Northampton, Hertford, and Gates Counties, North Carolina. Status: B
2. Ground water of Hertford County, North Carolina. Status: B

INGRAM, Roy L. , University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514

1. Modern sediment facies in shallow waters along the North Carolina coast. Status: B
2. Sedimentology of subsurface Cretaceous in southeastern North Carolina. Status: C

3. Depositional history of the Cretaceous of the Cape Fear Arch region. Status: B
 4. Recent inshore sediments of North Carolina. Status: B
- JOHNSON, Gerald H., College of William and Mary, Department of Geology, Williamsburg, Virginia, 23185
1. Stratigraphy, biostratigraphy and paleoecology of the Late Cenozoic of southeastern Virginia. Status: B
 2. Geology of the Eastern Shore of Virginia. Status: A
 3. Highland gravels and terraces in Eastern Piedmont of Central Virginia. Status: B
- JOHNSON, H. S., Jr. See HERON, S. D. and JORGESON, Eric.
- JOHNSON, Robert C., U. S. Bureau of Mines, Washington, D. C., 20242
- Fieldwork for statistical sampling program, a part of the national strip and surface mine study. Status: B
- JOHNSON, Robert W., Jr., Tennessee Valley Authority, Geologic Branch, 442 Evans Building, Knoxville, Tennessee, 37902
1. Curvature analysis of regional gravity and aeromagnetic data. Status: B
 2. JOHNSON, Robert W., Jr.; MILTON, Charles. Alkalic igneous rocks in the Shenandoah Valley of Virginia. Status: A
 3. JOHNSON, Robert W., Jr.; STEARNS, Richard G. Gravity data adjustment and gravity map of the TVA region. Status: B
 4. JOHNSON, Robert W., Jr.; and others. Mineral resources atlas and annotated bibliography of the TVA region. Status: B
- JONES, Lois M., The Ohio State University, Department of Geology, Columbus, Ohio, 43210
- Rb-Sr age of the sulfide ore deposits of the Ducktown District, Tennessee. Status: C

JONES, Michael L., West Virginia Geological and Economic Survey,
Morgantown, West Virginia, 26505

1. Taxanemic study of Dunkard Ostroacoda. Status: B
2. Dunkard paleocurrent study. Status: B

JORDAN, Robert R., University of Delaware, Department of Geology,
Newark, Delaware, 19711

1. Pleistocene deposits of southern Delaware. Status: B
2. Sedimentation in the Delaware Estuary. Status: B
3. Subsurface petrology and stratigraphy, Cretaceous and Tertiary
of central Delaware. Status: A

JORGESON, Eric; HERON, S. Duncan, Jr.; JOHNSON, Henry S., Jr.
Duke University, P.O. Box 6665, College Station, Durham,
North Carolina, 27708

Geology of the Dovesville Quadrangle(South Carolina). Status: A

JUDD, James B.; SMITH, William; PILKEY, Orrin, Duke University
Box 6665, College Station, Durham, North Carolina, 27708

Quartz iron staining in continental shelf sediments, Southeastern
United States. Status: B

See also HERON, S. D., Jr.; LYNTS, G. W.; and PILKEY, O. H.

JUSTUS, Philip S., U.S. Military Academy, Department of Earth,
Space and Graphic Sciences, West Point, New York, 10996

1. Geology along the eastern Blue Ridge Front and Brevard zone in
Wilkes and Caldwell Counties, North Carolina. Status: B
2. Regional significance of amygdaloidal basalt and volcanic breccia
in the Pekin Formation (Triassic) of Deep River Basin, North
Carolina. Status: D
3. Quantitative petrography of the Triassic Appalachian Diabase Dike
Swarm. Status: C

KEADY, Donald M., Mississippi State University, Department of Geology and Geography, State College, Mississippi, 39762

1. Hydrochemical facies in Cretaceous aquifers of Mississippi.
Status: A
2. Application of moments to mapping the vertical variability of aquifers.
Status: A

KENNETT, James P., Florida State University, Department of Geology, Tallahassee, Florida, 32306

1. Planktonic Foraminiferal zonation and paleo-oceanography of deep-sea cores of the Southern Ocean.
Status: C
2. Comparison of Antarctic and Arctic planktonic Foraminifera.
Status: A
3. Globorotalia truncatulinoides as a paleo-oceanographic index.
Status: B
4. Distribution of Foraminifera in Antarctic—Subantarctic surface sediments.
Status: A

KOPP, Otto C., University of Tennessee, Department of Geology, Knoxville, Tennessee, 37916

1. Pyritized conglomerate at Shut-in Creek, Madison County, North Carolina.
Status: A
2. Effects of metamorphism on the clay minerals of the Valley and Ridge and Blue Ridge Provinces.
Status: B
3. Possible Cambrian vulcanism reflected in sediments of the Rome Formation.
Status: C

KRAFT, John C., University of Delaware, Department of Geology, Newark, Delaware, 19711

1. Holocene sediment and microfauna facies patterns in coastal Delaware.
Status: B
2. Late Quaternary shoreline movement and history of sea level rise.
Status: B

3. Subsurface correlation problems and aquifer distribution in the Atlantic Coastal Plain-Continental Shelf geosyncline. Status: A
 4. Taxonomy of lower middle Ordovician Ostracoda. Status: D
 5. Biostratigraphy of the Duplin Formation, North Carolina, South Carolina. Status: B
 6. Paleoecology of the James City Formation, Neuse River estuary North Carolina Status: A
- KUPFER, Donald H., Louisiana State University, Department of Geology, Baton Rouge, Louisiana, 70803
1. Geologic mapping, Belle Isle Salt Dome, Louisiana. Status: B
 2. Mapping and sampling of Gulf Coast Salt Domes. Status: C
- LARSON, Lawrence T., University of Tennessee, Department of Geology, Knoxville, Tennessee, 37916
1. Ore microscopy and Co-Ni trace element geochemistry of massive sulphide deposits in the southeastern United States. Status: B
 2. Co and Ni bearing manganese oxides in the Fort Payne Formation Status: A
 3. Fluid inclusion thermometry in deposits within the Valley and Ridge Province, southeast United States. Status: B
 4. Design and development of equipment for the quantitative measurement of reflected light intensities. Status: A
 5. Optical properties of zirconium and its alloys. Status: B
 6. Analysis of mass textures in polycrystalline zirconium and Zircalloy II by polarized light microscopy. Status: B
- LASWELL, Troy J., Mississippi State University, Department of Geology and Geography, Post Office Drawer GG, State College, Mississippi, 39762
- A study of the heavy minerals of Cretaceous sands of northeast Mississippi. Status: C

LATTIMORE, R. K. See WEEKS, L. A.

LAYMON, Leland L., U.S. Geological Survey, Division of Ground Water, Washington, D. C., 20242

Increasing the specific capacity of water wells by dynamiting with the aid of geophysical logs. Status: B

LEAVENS, Peter, University of Delaware, Department of Geology, Newark, Delaware, 19711

Mineralogy of the Williams pegmatite, Coosa County, Alabama. Status: A

LEITH, C. J., North Carolina State University, Department of Geosciences, Raleigh, North Carolina.

Environmental aspects of beach processes, sediment, and erosion in the coastal region of North Carolina. Status: B

LESURE, Frank G., U.S. Geological Survey, Washington, D. C., 20242

1. Franklin Quadrangle, North Carolina. Status: D

2. Southeastern Appalachians heavy metals, Alabama and Georgia. Status: B

3. Southern Appalachians heavy metals, and mineral reconnaissance of southwestern North Carolina. Status: B

LONG, Sumner, University of Georgia, Department of Geology, Athens, Georgia, 30601

1. Mineral resource appraisal of the Chattahoochee-Flint area (west central Georgia-9 counties). Status: B

2. Depositional environments Tuscaloosa Formation, central Georgia. Status: C

3. Quaternary lag gravels of the Georgia Coastal Plain. Status: C

LOVE, A. H. See PALACAS, J. G.

LOWRY, W. D., VPI Department Geological Sciences, 206 Rose Ave., Blacksburg, Virginia.

1. Nature of Scolithus. Status: B
2. LOWRY, W. D., COOPER, B. N., Contemporaneous slump structures in Middle Ordovician Limestone, Harrisonburg, Virginia. Status: A

LUNDIN, Robert F.; NEWTON, George D., Arizona State University, Department of Geology, Tempe, Arizona

Ostracoda and the Silurian stratigraphy of northwestern Alabama. Status: Completed

LYNTS, George W., Duke University, Department of Geology, Durham, North Carolina.

1. Analysis of recent foraminiferal fauna from the Dry Tortugas, Florida. Status: B
2. LYNTS, George W.; JUDD, James B.; STEHMAN, Charles F., Biostratigraphy and paleoecology of deep-sea piston cores from the Tongue of the Ocean, Bahamas. Status: B

LYONS, Erwin J., University of Kentucky, Department of Geology, Lexington, Kentucky, 40506

Application of shallow geophysics to engineering problems. Status: C

MACINTYRE, Ian Gunn, Duke University Marine Laboratory, Beaufort, North Carolina, 28516

1. Physiographic features of the outer shelf and upper slope, continental margin, United States east coast. Status: A
2. Contact between Recent and Relict sediments on continental shelf off Beaufort, North Carolina and the study of oolitic sediments in this area. Status: C
3. Hermatypic coral on the North Carolina continental shelf. Status: B

MACK, Frederick K., Maryland Geological Survey, The Johns Hopkins University, Baltimore, Maryland, 21218

Evaluation of the Magothy Aquifer in the Annapolis area, Maryland. Status: B

MALLETTE, Reese Ewell, Jr., 1819 First National Building, Birmingham, Alabama, 35222

Drill sampling of unweathered bed rock, Southeast United States. Status: B

MANHEIM, Frank T., Woods Hole Oceanography Institute, Woods Hole Massachusetts, 02546

1. Pore fluids. Deep subsurface waters. Atlantic Continental Margin Status: B
2. Blake Plateau. Manganese phosphate deposits. Status: B
3. Suspended matter. Surface waters, Atlantic Coast. Status: B

MANN, Virgil Ivor, University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514

A study of the Carolina Bays. Status: B

MASTERS, Bruce A., University of Illinois, Department of Geology, Urbana, Illinois

Planktonic Foraminifera of the Selma Group. Status: A

McKINNEY, Frank Kenneth, Appalachian State University, Department of Geology, Boone, North Carolina

1. Non-fenestrate Bryozoa of the Bangor Limestone (Chester) of Alabama. Status: Completed
2. Black River and Trenton Bryozoa of Wills Valley, Alabama. Status: B
3. Middle Ordovician Trepostomatous Ectoprocta from Wills Valley, Alabama. Status: A

4. Bibliography and list of the Trepostomata (Phylum Ectoprocta) (1900-1965). Status: A

5. The Trepostomatous Ectoproct genus Stenoporella. Status: D

McLAUGHLIN, Kenneth P., University of Mississippi, Department of Geology and Geological Engineering, University, Mississippi, 38677

1. Analysis of manufactured lightweight concrete aggregate. Status: A

2. Correlation of electrical resistivity and neutron probe soil water determinations. Status: B

McNULTY, Charles Lee, Jr., University of Texas at Arlington, Department of Geology, Arlington, Texas, 76010

1. Foraminifers of Austinian rocks in northeast Texas. Status: B

2. Fishes of Gulfian glauconitic-phosphatic beds in northeast Texas. Status: B

MEYER, Frederick W., U. S. Geological Survey, Water Resources Division, Room 730, 51 SW First Avenue, Miami, Florida, 33130

1. Potential of the artesian aquifers in southern Florida. Status: B

2. Seepage studies along the Hoover Dike, Lake Okeechobee, Florida. Status: A

3. Seepage test in L-D1 Canal, Lake Okeechobee, Florida. Status: A

4. Hydrology of Canal III area, South Florida. Status: B

5. Geology along the Everglades Parkway in south Florida. Status: D

6. Geomorphology of the Hillsborough-Withlacoochee overflow, west-central Florida. Status: B

MILICI, Robert C., Tennessee Division of Geology, 4711 Old Kingston Pike, Room 116, Knoxville, Tennessee, 37919

1. Areal geology of southern Cumberland Plateau, Tennessee. Status: B
2. Middle and Upper Ordovician stratigraphy of Sequatchie Valley and Southwestern Valley and Ridge of Tennessee. Status: B

MILLER, R. L., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242

Petroleum geology of the Big Stone Gap district, Virginia. Status: B

MILLIMAN, John; PILKEY, Orrin, Woods Hole Oceanographic Institute, Woods Hole, Massachusetts; and Duke University, Box 6665, College Station, Durham, North Carolina, 27708

Sedimentation of the North Carolina Continental Shelf. Status: A

MILTON, Charles. See JOHNSON, R. W., Jr.

MINARD, James P., U.S. Geological Survey, Bldg. 20, Washington, D. C., 20242

Southeast Appalachians Sediments (Heavy Metals Program — Trias, Coastal Plain, Quat.) Status: B

MISSISSIPPI GEOLOGICAL SURVEY, P. O. Box 5915, Jackson, Mississippi, 39216

1. Copiah County mineral resources. Status: A
2. Rankin County mineral resources. Status: C
3. Re-Issue of State Geological Map. Status: B
4. Geologic cross sections. Status: C

MITCHELL, Richard S., Department of Geology, University of Virginia, Charlottesville, Virginia, 22903

X-ray study of heat-treated metamict minerals in Virginia. Status: A

MIXON, R. B., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242

Quantico 15' quadrangle, Virginia. Status: B

MOLNIA, Bruce; PILKEY, Orrin, Duke University, Box 6665, College Station, Durham, North Carolina, 27708

Origin of the fine carbonate fraction in Southeastern United States shelf sediments. Status: B

MOORE, Clyde H., Jr., Louisiana State University, Department of Geology, Baton Rouge, Louisiana, 70803

1. Looe Key-Recent reef sediments, southern reef tract, Florida. Status: B

2. Environmental control of grain diagenesis, Recent sediments southern reef tract, Florida. Status: B

3. Diagenesis associated with animal activity, Pleistocene Miami Oolite. Status: B

MORGAN, James P., Louisiana State University, Department of Geology, Baton Rouge, Louisiana

Holocene sediments of the Louisiana Continental Shelf. Status: B

MOSHER, L. Cameron, Florida State University, Department of Geology, Tallahassee, Florida, 32306

1. A biostratigraphic study of conodonts from Triassic ammonoid matrix samples from extreme northern and western Canada. Status: B

2. Triassic conodont biostratigraphy in the Great Basin of western United States. Status: B

3. Biostratigraphic studies of conodonts in Paleozoic rocks of the southern Appalachians. Status: C

MOTT, Charles James, St. Petersburg Junior College, Science Department, Clearwater Campus, Clearwater, Florida, 33515

- Landform genesis in Gadsden County, Florida. Status: B
- MURRAY, Joseph, Case Western Reserve University, Cleveland, Ohio, 44106
- Stratigraphy of the Sneedville Limestone, northeastern Tennessee and southwestern Virginia. Status: B
- NEUSCHEL, S. K., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242
- Spotsylvania area, Virginia. Status: B
- NEWMAN, Harry A., University of Alabama, Department of Geology, University, Alabama.
- Biostratigraphy of the Bluffport Marl Member of the Demopolis Chalk. Status: A
- NEWTON, G. D. See LUNDIN, R. F., and PILKEY, O. H.
- NOAKES, John, University of Georgia, Department of Geology, Athens, Georgia, 30601
- Geochronology Lab. Status: C
- NUTTER, Larry A., Maryland Geological Survey, The Johns Hopkins University, Baltimore, Maryland, 20218
- Occurrence of ground water in limestone terranes. Status: C
- See also OTTON, E. G.
- O'CONNOR, M. P., East Carolina University, Department of Geology, Greenville, North Carolina, 27834
1. Marine and estuarine geology of Roanoke Island and vicinity, Dare County, North Carolina. Status: B
 2. Estuarine geology and ecology of the Pamlico River; Beaufort, Pamlico and Hyde Counties, North Carolina. Status: C

3. Offshore processes of sedimentation and Pre-Recent stratigraphy, Pinellas County, Florida. Status: A
 4. Stratigraphy and petrology across the Piegan Group-Missoula Group boundary, Late Precambrian Supergroup, Southern Mission and Swan Range area, Montana. Status: A
 5. Stratigraphy and petrology across the Bass Limestone-Hakatai Shale boundary, Late Precambrian Unkar Group, Grand Canyon, Arizona. Status: B
- OFFUTT, Pat, Duke University, P. O. Box 6665, College Station, Durham, North Carolina, 27708
- "Sercite" deposits in the South Carolina-North Carolina Eastern Piedmont. Status: B
- OLIVER, W. A., Jr., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242
- Stratigraphy and rugose corals of the Onesquethaw Stage. Status: B
- OLSON, Norman K., Southern Railway System, 2835 Norgate Lane, Decatur, Georgia, 30032
- Indurated rock units in the Georgia Coastal Plain. Status: D
- OSMOND, J. K., Florida State University, Department of Geology, Tallahassee, Florida, 32306
1. Geochronology of Late Pleistocene deposits of Florida. Status: B
 2. Uranium isotopes in ground water. Status: B
- OSTRANDER, Charles C., Georgia Institute of Technology, Engineering Experimental Station, Atlanta, Georgia
1. Computer applications in geology. Status: B
 2. Two-channel pulse height analyzer gamma-ray well logging instrument. Status: B

PATCHEN, Douglas G., West Virginia Geological and Economic Survey, Morgantown, West Virginia, 26505

Reservoir study of the Newburg sand. Status: B

PATTERSON, O. F., III, North Carolina State University, Department of Geoscience, Raleigh, North Carolina, 27607

1. Depositional environment and paleoecology of the Pekin Formation (Upper Triassic), Sanford Basin. Status: A

2. PATTERSON, O. F., III; HOPE, R. C., Triassic flora from the Deep River Basin. Status: A

3. PATTERSON, O. F., III; BAIRD, Donald, Dicotylodent-Arcnosaur fauna from the Pekin Formation (Upper Triassic) Deep River Triassic Basin, North Carolina. Status: A

PATTERSON, Sam H., U.S. Geological Survey, Bldg. 417, Agricultural Research Center, Beltsville, Maryland, 20705

Attapulugus Fuller's Earth, Georgia-Florida. Status: B

PERKINS, Ronald D., Duke University, Department of Geology, P.O. Box 6665, Durham, North Carolina, 27708

1. Diagenetic facies in Pleistocene carbonates in the Southeastern Atlantic Coast. Status: C

2. Diagenesis of sawgrass silica in Recent sediments. Status: C

3. Middle Devonian tidal-flat complex. Status: D

PHILLEY, John C., Morehead State University, Geoscience Department, Morehead, Kentucky, 40351

The Borden Formation (Mississippian) in the subsurface of southeastern Kentucky. Status: C

PHYFER, Daniel Wade, University of South Carolina, Department of Geology, Columbia, South Carolina, 29208

- OTTON, Edmond G. ; NUTTER, Larry A., Maryland Geological Survey, The Johns Hopkins University, Baltimore, Maryland, 21218
 Occurrence of ground water in the crystalline rocks of the Maryland Piedmont.
 Status: A
- OWEN, Donald E., Bowling Green State University, Department of Geology, Bowling Green, Ohio, 43402
 Modern sediments of the White Oak Estuary-Bogue Inlet area, North Carolina.
 Status: B
- OWENS, J. P., U. S. Geological Survey, Geologic Division, Washington, D. C., 20242
 Geology of the Delmarva Peninsula and Chesapeake Bay, Delaware and Maryland.
 Status: B
- PALACAS, J. G., U. S. Geological Survey, Geologic Division, Washington, D. C., 20242
 Organic geochemistry of Holocene sediments, Florida. Status: B
- PARKER, John M., III, North Carolina State University, Department of Geosciences, Raleigh, North Carolina, 27607
1. Geology of Wake County, North Carolina. Status: B
 2. Geology of the Raleigh 15-minute quadrangle. Status: B
 3. Structure in easternmost North Carolina Piedmont. Status: B
 4. The mile-long section of metamorphic rocks of Roanoke Rapids, North Carolina. Status: B
- PARKER, Robert H., Texas Christian University, Department of Biology, Fort Worth, Texas, 76129
1. Affects of Hurricane Beulah and subsequent six months flooding on Aransas and Copano Bays, Texas in terms of sedimentary structures. Status: B
 2. Sedimentary studies as related to pollution of Brazos and Colorado River estuaries. Status: B

Geochemical and structural analysis of the Day Book (North Carolina) dunite. Status: A

PICKETT, Thomas E., University of Delaware, Delaware Geological Survey, Newark, Delaware, 19711

1. Geologic mapping of Delaware. Status: B
2. Clay resources of Delaware. Status: B
3. Geology of eastern Sussex County, Delaware. Status: B
4. The modern sediments of Pamlico Sound, North Carolina. Status: A
5. Crustacean borings in the sediments of the Atlantic Coastal Plain. Status: C

PILKEY, Orrin H., Duke University, Box 6665, College Station, Durham, North Carolina, 27708

1. Survey of heavy metal resources on the North Carolina Continental margin. Status: B
2. PILKEY, O.H.; LYNTS, G.W.; STEHMAN, C.; JUDD, J. Sedimentation and micropaleontology of the Tongue of the Ocean, Bahamas. Status: A-B
3. PILKEY, O.H.; FIELD, M. North Carolina Continental Rise sedimentation. Status: B
4. PILKEY, Orrin; NEWTON, John G. Physiography of the North Carolina Continental margin. Status: A

See also DUCKWORTH, Dianna; JUDD, J. B.; MILLIMAN, John; MOLNIA, Bruce; and RAGLAND, Paul.

POLLARD, C. O., Jr., Georgia Institute of Technology, Geophysical Sciences, Atlanta, Georgia, 30332

1. Optical properties of apatite-theoretical correlation with composition. Status: B

2. Growth mechanisms in apatite, tourmaline, quartz, plagioclase and fluorite. Status: B

POLLARD, Lin D., Emory University, Department of Geology, Atlanta, Georgia, 30318

1. Soil development on Mt. Panola. Status: C
2. Alteration clay from dunites, western North Carolina. Status: C

POPENOE, Peter, U.S. Geological Survey, Geologic Division, Washington, D. C., 20242

Geophysical studies in the Haile-Brewer area, South Carolina. Status: B

POWELL, Roger D., North Carolina State University, Raleigh, North Carolina, 27607

Evaluation of mineral resources in the Pittsboro area, Chatham County, North Carolina. Status: B

PRICE, W. Armstrong, 1213 Ocean Drive, Corpus Christi, Texas, 78404

1. Origin and regional morphology of barrier island chains. Status: A
2. Origin of Carolina Bays and other oriented lakes. Status: A
3. Microrelief of non-glacial plains, and its origin. Status: A
4. Morphogenesis of patterns of Florida Bay and Cuban lagoons — (extension of GCAGS 1967 paper). Status: A
5. Classification and genesis of 10 forms of warm-region micro-relief. Status: A
6. Environments of Barrier Chain development. Status: D

PRIVETT, Donald R., Catawba College, Department of Geology, Salisbury, North Carolina, 28144

1. Petrography and structural significance of kyanite — muscovite quartzite, Rowan County. Status: A
 2. "Granite"-diorite contact relationships and alterations, Woodleaf Quarry, Rowan County, North Carolina. Status: C
- RADCLIFFE, Dennis, University of Georgia, Department of Geology, Athens, Georgia, 30601**
1. Ground water geochemistry on coastal plain Georgia (associated with phosphorite). Status: A
 2. Beryl pegmatites on Piedmont. Status: B
 3. Structural chemistry of sulfides by means of single crystal studies. Status: B
- RAGLAND, Paul; PILKEY, Orrin H., University of North Carolina, Raleigh, North Carolina; and Duke University, Box 6665, College Station, Durham, North Carolina, 27708**
- Comparison of the trace element composition of Recent and fossil Mollusk shells. Status: A
- RANDAZZO, Anthony F., University of Florida, Department of Geology, Gainesville, Florida, 32601**
1. Structure of the Wadesboro Triassic Basin, North Carolina. Status: A
 2. Petrography and stratigraphy of Carolina Slate Belt, Union County, North Carolina. Status: C
 3. Petrography of the Ocala Limestone and related Tertiary rocks of Florida. Status: C
- RANKIN, D. W., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242**
- Geology of the Winston-Salem 2° sheet. Status: B
- RAY, Clayton E., U. S. National Museum, Smithsonian Institution, Division of Vertebrate Paleontology, Washington, D. C., 20560**

1. A review of the fossil walrusses of the southeastern United States.
Status: A
 2. Additions to the Pleistocene Mammalian fauna of Ladds, Georgia.
Status: B
 3. A Blancan Mammalian fauna from Florida.
Status: B
- RENTON, John J.; HUNTER, Richard, West Virginia University; and
West Virginia Geological and Economic Survey, Morgantown,
West Virginia, 26505
- Spectrochemical and X-ray diffraction analyses of West Virginia
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- RIBBE, P. H., Virginia Polytechnic Institute, Department of Geol-
ogical Sciences, Blacksburg, Virginia
1. Crystal chemistry and structure of humite minerals. Status: B
 2. Crystal structures and cell dimensions of intermediate plagioclases.
Status: B
 3. Crystal chemistry of sphene. Status: C
- RIGGS, Karl A., Mississippi State University, Department of Geology and Geography, State College, Mississippi
- Serpentinized Periodotite of northern Michigan. Status: B
- RIGGS, Stanley R., East Carolina University, Department of Geology, Greenville, North Carolina, 27834
1. Phosphorite stratigraphy, sedimentation, and petrology of the Florida phosphate deposits. Status: A
 2. Miocene and Post-Miocene stratigraphy, sedimentation, and paleogeography of the Atlantic Coastal Plain. Status: B
 3. Offshore processes of sedimentation and Pre-Recent stratigraphy, Pinellas County, Florida. Status: A

4. Marine and estuarine geology of Roanoke Island and vicinity, Dare County, North Carolina. Status: B
 5. Estuarine geology and ecology of the Pamlico River; Beaufort, Pamlico, and Hyde Counties, North Carolina. Status: C
- RUSS, David. See BURFORD, Arthur E.
- RUSSELL, Ernest E., Mississippi State University, P. O. Box R, State College, Mississippi, 39762
1. Upper Cretaceous stratigraphy of western Tennessee. Status: A
 2. Upper Cretaceous Coccoliths of northeast Mississippi. Status: B
- RYAN, William. See BURFORD, Arthur E.
- SAMPAIR, J. L., Division of Mineral Resources, P. O. Box 2719, Raleigh, North Carolina, 27602
- Structural and areal geologic relationships of the Precambrian-Paleozoic surface as indicated by the airborne magnetometer in Piedmont and eastern North Carolina. Status: B
- SCHMIDT, Ronald G., Earth Science Laboratories, 3040 Vernon Place, Cincinnati, Ohio, 45219
- Paleozoic subsurface stratigraphy of northwest Georgia. Status: B
- SCOLARO, Reginald J., The University of Georgia, Department of Geology, Athens, Georgia, 70601
1. New reports of Bryozoa from the Reo Bay and Yellow River Formations (Upper Miocene) in northwestern Florida. Status: A
 2. Revision of the genus Gemelliporella - Bryozoa (Ascophora). Status: B
 3. Paleocology and taxonomy of the Bryozoa of the Jackson Bluff Formation (Upper Miocene) from northwestern Florida. Status: B

SECOR, Donald Terry, Jr., University of South Carolina, Department of Geology, Columbia, South Carolina, 29208

1. Mechanics of extension fracturing in rocks with internal pore pressure. Status: B
2. Jointing in the Southeastern Piedmont. Status: A
3. Regional geology of the Slate Belt in South Carolina. Status: B

SHACKLETTE, H. T., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242

Biogeochemical reconnaissance, Georgia. Status: B

SHERWOOD, W. Cullen, University of Virginia, Department of Geology, Charlottesville, Virginia

1. Strontium distribution in some Miocene, Pleistocene and Recent Pelecypods. Status: B
2. Geochemistry and petrography of some carbonate cements. Status: C

SLAUGHTER, Turbit H. C., Maryland Geological Survey, The Johns Hopkins University, Baltimore, Maryland, 21218

Sand tracer study in the littoral zone in Chesapeake Bay. Status: B

SMITH, Charles C., Tenneco Oil Company, P. O. Box 51345 OCS, Lafayette, Louisiana

Foraminifera paleoecology, and biostratigraphy of the Paleocene "Ostrea thirsae beds", Nanafalia Formation, West-central Alabama. Status: Completed

SMITH, William. See JUDD, J. B.

SOHL, N. F., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242

- Cretaceous gastropods and stratigraphy, Atlantic and Gulf Coastal Plains. Status: B
- SPENCER, Edgar W., Department of Geology, Washington and Lee University, Lexington, Virginia
- Structure of the Blue Ridge Front—Buena Vista, Natural Bridge, and Buchanan Quadrangles. Status: B
- SPENCER, Randall S., Old Dominion College, Geology Department, Norfolk, Virginia, 23508
1. Reworked Paleozoic fossils in Pleistocene gravels. Status: A
 2. Pleistocene Ostracodes in the upper Nansemond Formation Southeastern Virginia. Status: B
 3. Palaeoecology of the upper Nansemond Formation, southeastern Virginia. Status: B
- SPOLJARIC, Nenad, Delaware Geological Survey, University of Delaware, Newark, Delaware, 19711
- Morphology and hydrology of Pleistocene deposits, Delaware. Status: B
- STEARNS, Richard G.; WILSON, C. W., Jr., Vanderbilt University, Box 1615, Station B, Nashville, Tennessee, 37203
1. Geology of the Wells Creek structure, Houston and Stewart Counties, Tennessee. Status: A
 2. STEARNS, Richard G.; WILSON, John M., Geohydrology of Skillman Basin a small tributary to the Buffalo River, Lawrence County, Tennessee. Status: B
 3. STEARNS, Richard G.; GANSTER, Maurice, Geophysical studies in Central Tennessee. Status: B
- See also JOHNSON, R. W., Jr.
- STEELE, Kenneth Franklin, Jr., University of North Carolina, 216 Mitchell Hall, Chapel Hill, North Carolina, 27514

A geochemical and petrographic study of the horizontal fractionation of elements and distribution of minerals in a diabase dike.
Status: B

STEHMAN, C. F. See LYNTS, G. W., and PILKEY, O. H.

STEPHENS, John C. See ASMUSSEN, Loris E.

SUNDEEN, Daniel A., P. O. Box 21, Ellettsville, Indiana, 47429
Bedrock geology of the Haverhill 15' quadrangle, southeastern New Hampshire.
Status: B

SUNDELIUS, Harold W., Wittenberg University, 310 West Harding Road, Springfield, Ohio, 45504

1. Geology of Gold Hill Quadrangle, North Carolina. Status: A
2. Geology of the Mount Pleasant Quadrangle, North Carolina. Status: A

SWANSON, V. E. See PALACAS, J. G.

SWADLEY, W. C., 22 Commonwealth Avenue, Erlanger, Kentucky, 41018

Kentucky areal geologic mapping program. Status: B

SWANSON, V. E., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242

Geology and geochemistry of humates, Florida. Status: B

SWIFT, Donald J. P., Institute of Oceanography, Old Dominion College, Norfolk, Virginia, 23508

1. Genesis of the nearshore modern sand prism of a barrier island-spit-headland coast. Status: B
2. The Maryland Miocene shelf sedimentation during a "normal" epoch. Status: C

3. Coastal turbidity, western Puerto Rico: fine sediment dispersal from tropical rivers. Status: C
 4. Genesis of the nearshore modern sand prism, Cape Henry to Cape Lookout. Status: C
 5. Sediment-water interaction of the inner shelf. Status: C
 6. Petrography of the Carolina Cretaceous textural gradients of an ancient sediment transport system. Status: C
- SWINGLE, George D., University of Tennessee, Geology Department, Knoxville, Tennessee.
- Geologic mapping of Lovell, Powell, and Big Ridge quadrangles, east Tennessee. Status: A
- TANNER, William F., Florida State University, Department of Geology, Tallahassee, Florida, 32306
1. Cenozoic sea level history. Status: B
 2. Coastal processes. Status: B
 3. Mathematics of river development. Status: B
- TAYLOR, Ronald Shearer, Auburn University, Department of Geology, Auburn, Alabama, 36830
1. Micropaleontology of unconformable Paleozoic rocks in central Alabama. Status: B
 2. Mid-Tertiary Ostracoda of Alabama. Status: C
- TEXTORIS, Daniel A., University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514
1. Atlas of Appalachian basin carbonate microfacies. Status: B
 2. Petrology and evolution of Ordovician carbonates in the Appalachian basin. Status: A and B

3. Stratigraphy and petrology of Devonian Tioga Bentonite in the northeastern United States. Status: A
4. Petrology of Castle Hayne Limestone (Eocene) and related carbonate units, eastern North Carolina. Status: B
5. Sedimentological aspects of Caribbean carbonate intertidal sands. Status: B
6. Trace element geochemistry of Middle Ordovician supratidal, intertidal, and shallow subtidal carbonates, New York. Status: A
7. Supratidal origin of Appalachian basin dolostone. Status: B

THAYER, Paul A., Texas A and I University, Geology-Geography Department, Box 2020, Kingsville, Texas, 78363

1. Geology of Dan River Triassic basin. Status: A
2. Petrology of Dan River Group, North Carolina. Status: A
3. Geology of Davie County, Triassic basin, North Carolina. Status: A
4. Gravity survey of Dan River Triassic basin. Status: B

THOMPSON, Allan M., University of Delaware, Department of Geology, Newark, Delaware, 19711

1. Sedimentology of Upper Ordovician rocks, Virginia and Tennessee. Status: B
2. Geochemistry of red bed formation in continental sequence, Upper Ordovician of Southern Appalachians. Status: B-C
3. Variations in clay mineral composition between Upper Ordovician drab and red clastic rocks, central and southern Appalachians. Status: C

THRAILKILL, John, University of Kentucky, Department of Geology, Lexington, Kentucky, 40506

1. Limestone hydrology and solution geochemistry. Status: B
 2. Carbonate cave deposits. Status: B
 3. Anion substitution in carbonate minerals. Status: B
- TILDEN, Jean E., North Carolina State University, Department of Geosciences, Raleigh, North Carolina, 27607
- Distribution of trace elements among co-existing sulfide mineral phases from selected deposits in the central Piedmont of North Carolina. Status: B
- TOBISCH, Othmar T., U.S. Geological Survey, Bldg. 420, Agricultural Research Center, Beltsville, Maryland, 20705
- Structure and metamorphism of rocks in the Roxboro (N.C.)-Ingram (Va.) - Danville (Va.) area. Status: A
- TOULMIN, Lyman D., Florida State University, Department of Geology, Tallahassee, Florida, 32306
1. Coastal Plain reference section for the Paleogene System. Status: B
 2. Paleocene and Eocene guide fossils of the eastern Gulf Coast region.
 3. Paleocene and Eocene Foraminifera from the geologic section along Chattahoochee River. Status: B
- UCHUPI, Elazar; EMERY, K. O., Woods Hole Oceanographic Institution, Woods Hole, Massachusetts
1. Study of the sea floor off Atlantic Coast and adjacent areas. Status: B
 2. The continental rise off North America. Status: A
- UPCHURCH, C. Neil, North Carolina State University, Department of Geosciences, Raleigh, North Carolina, 27607
- Geology of the southwest quarter of the Troy, North Carolina quadrangle. Status: A

UPCHURCH, Sam B., U.S. Corps of Engineers, Great Lakes Research Center, 32662 Mound Road, Apt. 6, Warren, Michigan, 48092

1. Animal-sediment relationships in the Wayne Group (Silurian) of Tennessee. Status: A
2. On the method of quadrats in paleoecological interpretations. Status: A

WAGENER, H. D., Department of Chemistry, The Citadel, Charleston, South Carolina, 29409

1. Chemical fractionation in the Farrington igneous complex, North Carolina. Status: A
2. Geology of the southern two-thirds of the Winnsboro 15' quadrangle, Fairfield County, South Carolina. Status: A
3. Petrology of the Winnsboro granitoids and related rocks. Status: B

WALKER, Kenneth R., University of Tennessee, Department of Geology, Knoxville, Tennessee, 37916

1. Stratigraphy and environmental sedimentology of Middle Ordovician Black River Group carbonates in New York State. Status: A
2. The biological communities of Middle Ordovician Black River Group carbonates of New York State. Status: A
3. The evolution of organic communities in the Paleozoic: near-shore carbonate communities. Status: B

WAMPLER, J. M., Georgia Institute of Technology, Geophysical Sciences, Atlanta, Georgia, 30332

1. Age determination (K-Ar) of rocks of the Georgia Piedmont. Status: B
2. Determination of the neutron capture cross-section of Pb^{205} . Status: A

3. WAMPLER, J. M. ; WEAVER, C. E. , The significance of K-Ar ratios in fine-grained and glassy materials. Status: B
- WARNKE, Detlef A., Florida State University, Department of Oceanography, Tallahassee, Florida, 32306
1. Geomicrobiological weathering phenomena off Anvers Island, Antarctica. Status: B
 2. Beach retrogression in the Big Bend area of Florida. Status: B
 3. Environmental analysis of the sea-land boundary zone along the zero-energy coast in northwest Florida. Status: A
- WEAVER, Charles Edward, Georgia Institute of Technology, Geophysical Sciences Section, School of Ceramic Engineering, Atlanta, Georgia, 30332
1. The effect of clay minerals on the chemical composition of fresh and saline waters. Status: B
 2. Diagenetic formation of clay minerals. Status: B
 3. Potassium and argon diffusion in clay minerals. Status: B
- See also WAMPLER, J. M.
- WEBB, Fred, Jr., Appalachian State University, Department of Geography and Geology, Boone, North Carolina, 28607
- Stratigraphy of Lower Ordovician Longview Formation, Smyth and Washington Counties, Virginia. Status: B
- WEBB, W. E. See WEIGLE, J. M.
- WEDOW, Helmuth., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242
- Eastern Tennessee and southwestern Virginia ore controls. Status: A
- WEEKS, L. Austin; LATTIMORE, Robert K., ESSA-Atlantic Oceanographic Labs., 901 S. Miami Avenue, Miami, Florida, 33130

1. Caribbean-Lesser Antilles project. Status: B
 2. Seismic-reflection profiling, west coast Upper Mantle Project area. Status: B
- WEIGLE, James M., Maryland Geological Survey, The Johns Hopkins University, Baltimore, Maryland, 21218
1. Development of techniques for mapping buried Pleistocene channel deposits on the Eastern Shore of Maryland. Status: B
 2. WEIGLE, James M.; WEBB, Wayne E., Water resources of Southern Maryland. Status: A
- WEIR, Gordon. See BROWN, W. R.
- WELBY, Charles W., North Carolina State University, Department of Geosciences, Raleigh, North Carolina, 27602
- Model and probability study of groundwater occurrence in crystalline rocks. Status: C
- WHEELER, Walter H.; DENNISON, J., University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514
1. Stratigraphy and structure of the Durham Triassic Basin, North Carolina. Status: C
 2. WHEELER, Walter H.; GOUGER, John, Vertebrate fossils and their bearing on the stratigraphy of the New Bern, North Carolina area. Status: B
 3. WHEELER, Walter H.; DANIEL, R. B.; GAMBLE, E. E., Post-Miocene stratigraphy and geomorphology along the Neuse-Cape Fear Divide, North Carolina. Status: B
- WHITE, William A., University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27607
- The geomorphology of the Florida Peninsula. Status: A
- WHITEHEAD, Donald R., Indiana University, Department of Botony, Bloomington, Indiana, 47401

- Studies of Late-Pleistocene environmental history in southeast United States. Status: B
- WHITMORE, F. C., Jr., U.S. Geological Survey, Geologic Division, Washington, D. C., 20242
- Cenozoic vertebrates. Status: B
- WIEDEMANN, H. U., University of Georgia, Department of Geology, Athens, Georgia, 30601
- Investigation of the history of formation and alteration of salt marsh deposits, central Georgia coast. Status: B
- WIENER, Leonard S., University of Tennessee, Department of Geology, Knoxville, Tennessee, 37916
- Geology along the Great Smoky fault, Monroe County, Tennessee. Status: B
- WILSON, Augustus O., University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514
- Carbonate sedimentology and diagenesis of the Chickamauga, Middle Ordovician, northeast Alabama. Status: B
- WILSON, C. W., Jr. See STEARNS, R. G.
- WILSON, J. M. See STEARNS, R. G.
- WILSON, William F., University of North Carolina, Division of Mineral Resources, Raleigh, North Carolina, 27602
- Geology and mineral resources of the Winstead 15-minute quadrangle, Caswell and Person Counties, North Carolina. Status: B
- See also ALLEN, E. P.
- WOODRUFF, Kenneth D., Delaware Geological Survey, University of Delaware, Newark, Delaware, 19711
- Morphology and hydrology of Pleistocene deposits, Delaware. Status: B

YOUNG, Roy E.; FURBISH, William J., Duke University, P. O.
Box 6665, College Station, Durham, North Carolina, 27708

Heavy minerals studies of the rock and alluvium from the dia-
mond bearing areas of North Carolina and Georgia. Status: B

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