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Editor in Chief: S. Duncan Heron, Jr.

Abstract

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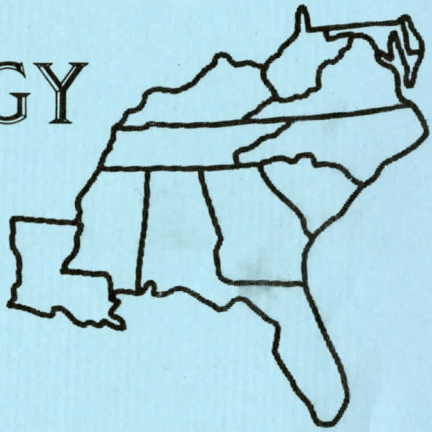

DIRECTORY OF GEOLOGICAL RESEARCH IN THE SOUTHEAST 1971

SOUTHEASTERN GEOLOGY

PUBLISHED QUARTERLY

AT

DUKE UNIVERSITY

This journal welcomes original papers on all phases of geology, geophysics, and geochemistry as related to the Southeast. Transmit manuscripts to S. DUNCAN HERON, JR., BOX 6665, COLLEGE STATION, DURHAM, NORTH CAROLINA. Please observe the following:

(1) Type the manuscript with double space lines and submit in duplicate.
(2) Cite references and prepare bibliographic lists in accordance with the method found within the pages of this journal.
(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

James W. Clarke
S. Duncan Heron, Jr.
and
William J. Furbish

Published at Duke University
Durham, N. C.

1971

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 1970; 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?

ABBOTT, W. H., Northeast Louisiana State College, Monroe, Louisiana, 71201

A paleoecological intrepretation of peat from the Okefenokee Swamp, Georgia, using pollen and diatoms. Status: A

ADAMS, John K., Temple University, Department of Geology, Philadelphia, Pennsylvania, 19126

1. Diagenetic phosphates in Coastal Plain sediments. Status: A

2. General studies in all diagenetic processes in Coastal Plain sediments. Status: D

AKERS, W. H., Chevron Oil Company, 5034 Press Drive, New Orleans, Louisiana, 70126

1. Planktonic Foraminifera of some neogene sediments in northern Florida. Status: A

2. Estuarine Foraminifera of the Beauford area, North Carolina. Status: A

ALLEN, Gary C., Louisiana State University, Department of Earth Sciences, New Orleans, Louisiana, 70122

1. Chemical and mineralogic variations during prograde metamorphism in the Great Smoky Mountains. Status: A

2. The geochemistry of germanium in cherts. Status: C

3. Petrogenesis of authegenic riebeckite in tuffaceous rocks. Status: C

ALMY, Charles C., Jr., Chevron Oil Company, 6625 Vicksburg Street, New Orleans, Louisiana, 70124

1. Carbonate deposition in Ancient Island Arcs: Upper Cretaceous Parguera Limestone of Puerto Rico. Status: A
2. Corals of the Chipola Formation:Assemblage and environment. Status: C

ANDERSEN, H. V., Louisiana State University, Geology Department, Baton Rouge, Louisiana, 70803

Geology of Natchitoches Parish, Louisiana. Status: B

ANDERSON, Charles N.; VOGT, P. R.,; BRACEY, D., U. S. Naval Oceanographic Office, Code 8220, Washington, D. C.

1. Magnetic anomaly trends between Bermuda and the Bahama-Antilles Arc. Status: A

2. A magnetic survey in the eastern Gulf of Mexico and its relation to the east coast aeromagnetic survey. Status: B

ANISGARD, Harry W., Humble Oil and Refining Company, Box 61812, New Orleans, Louisiana, 70160

1. Causes of dominance of arenaceous Foraminifera in the Wilcox Formation, southern Louisiana. Status: A

2. Pseudohastigerina changes in Paleocene-Oligocene section in a well in SE Louisiana. Status: B

ARKLE, Thomas, Jr., West Virginia Geological and Economic Survey, 899 Fairfax Drive, Morgantown, West Virginia, 26505

1. The configuration of the groups of the Pennsylvanian System of West Virginia. Status: A

2. Sands and gravels of West Virginia. Status: A

3. Construction and industrial minerals of West Virginia. Status: A

4. Shale and clay evaluation study in West Virginia. Status: C

ASMUSSEN, Loris E., USDA ARS SWC SE Watershed Research Center, P. O. Box 946, Tifton, Georgia, 31704

1. Hydrogeology of ponds and pits in Georgia. Status: B

2. Groundwater accretion and movement in relation to geomorphology, use, and watershed management in the Southern Coastal Plain. Status: B

BAILEY, Richard H., University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514

Paleoecologic relationships of mollusks and sediments in the Yorktown Fromation of northeast North Carolina. Status: B

BAIRD, Donald. See GAFFNEY, Eugene S.

BARLOW, James A., West Virginia Geological and Economic Survey, Box 879, Morgantown, West Virginia, 26505

1. Phytostratigraphy of West Virginia coal measures. Status: B

2. Geology of the Pottsville Group of southern West Virginia. Status: C

3. Applied paleobotany of the Dunkard Group in West Virginia. Status: B

4. Comprehensive study of West Virginia coal reserves, quantity and quality. Status: B

BARR, Jim L., Tennessee Polytechnic University, Department of Earth Sciences, Cookeville, Tennessee, 38501

1. The Berea Sandstone (Miss.) and related facies of southeastern Ohio, eastern Kentucky, and western West Virginia. Status: A

2. Sedimentary structures in the Minas Basin, Bay of Fundy, Nova Scotia. Status: B

3. Preliminary palynological analyses of the Voltain Series, Ghana, West Africa. Status: C-B

BARTLETT Charles S., Jr., Emory and Henry College, Emory, Virginia, 24327

1. Stratigraphy and paleo-environments of Mississippian Price Formation in southwestern Virginia. Status: C

2. Geology of Bristol and Wallace quadrangles, Washington County, Virginia. Status: A

BASSINGER, B. G. See WEEKS, L. A.

BEAM, Paul M., Florida Department of Transportation, P. O. Box 1029, Gainesville, Florida, 32601

1. Detection of sinks and caverns in limestone using geophysical methods. Status: C

2. Engineering singificance of fractures and/or faults in the Eocene limestones of northern peninsular Florida. Status: B

BEARCE, Denny N., Birmingham Southern College, Geology Department, Birmingham, Alabama, 35204

1. Stratigraphy of a conglomerate in the Silurian Red Mountain Formation in central Alabama. Status: A

2. Stratigraphy of the Silurian Red Mountain Formation in Alabama. Status: B

3. Structural and stratigraphic nature of the Talladega metamorphic front in eastern Alabama. Status: B

4. BEARCE, Denny N.; THOMAS, William A., Structural development of the Birmingham anticlinorium. Status: B

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

Geochemical studies in the southeastern states. Status: B

BENTZEN, Edwin H., III, North Carolina State University, Minerals Research Laboratory, 180 Coxe Avenue, Asheville, North Carolina, 28801

1. North Carolina soapstone ore evaluation. Status: C

2. Chemical composition of North Carolina chromite. Status: A

3. Chromite flotation. Status: A

4. Zircon survey. Status: D

BERGSTROM, Stig M., The Ohio State University, Department of Geology, Columbus, Ohio, 43210

Middle Ordovician biostratigraphy and conodont faunas in the Appalachian Valley, Alabama, Tennessee, and Virginia. Status: B

BICK, Kenneth F., College of William and Mary, Department of Geology, Williamsburg, Virginia, 23185

1. Pleistocene geology, southeastern Virginia Coastal Plain. Status: B
2. Quartz grain surface textures by electron microscopy. Status: B
3. Structural geology, Shenandoah Valley, Virginia. Status: B

BIRD, Samuel O., Mary Washington College, Fredericksburg, Virginia, 22401

1. Benthonic Molluscan communities in the Beaufort, North Carolina area. Status: B
2. List of Recent Mollusks of the southeastern coast. Status: D

BLACK, Douglas F. B., U. S. Geological Survey, 710 West High Street, Lexington, Kentucky, 40508

1. Structural features in part of central Bluegrass region of Kentucky. Status: B
2. Geologic map of the Winchester quadrangle, Clark and Madison Counties, Kentucky. Status: B

BLACKWELDER, B. W. See MACINTYRE, Ian G.

BLANCHARD, Frank N., University of Florida, Department of Geology, Gainesville, Florida, 32601

1. Thermal analysis of crandallite. Status: A
2. Analysis of crandallite from Florida. Status: B
3. Iron phosphate minerals from Florida. Status: C

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

1. Barite-witherite solubility and stability. Status: B

2. Trace element analysis. Status: C

BLYTHE, Ernest W., Jr., University of Tennessee, Department of Geology, Martin, Tennessee, 38237

Environmental study of Middle Ordovician limestone in Sequatchie Valley, east Tennessee. Status: A

BOLENEUS, David, Louisiana State University, Department of Geology, Baton Rouge, Louisiana, 70802

Distribution and mineralogy of Recent carbonate sediments from beach to fore-reef St. Croix, U.S. Virgin Islands. Status: C

BOLLINGER, G. A., Virginia Polytechnic Institute, Department of Geological Sciences, Blacksburg, Virginia, 24061

1. Seismicity of the central Appalachians. Status: B

2. Focal mechanism studies of earthquakes. Status: A

3. Microseismicity of Virginia. Status: C

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

Pleistocene palynology of Peat Bogs on the Georgia Coastal Plain. Status: B

BORNHOLD, Brian D., Duke University, Marine Laboratory, Beaufort, North Carolina, 28516

Carbonate turbidites in Columbus Basin, Bahamas. Status: A

BOWEN, Richard L., University of Southern Mississippi, Box 152, Hattiesburg, Mississippi, 39401

1. Paleoclimatology, oceanic paleosalinities, and marine fossil extinctions. Status: A

2. Continental outlines of Cretaceous times, Continental Drift, Post-Cretaceous continental foundering, and the growth of mid-oceanic ridges. Status: B

3. Statistical chronology of Astrobleme Formation and lunar chronology problem. Status: C

4. Distribution, duration, and history of Late Paleozoic glaciations. Status: B

5. Exploration guides for locating offshore economic mineral deposits. Status: B

6. Determination of exploration guides for locating deposits of native sulfur. Status: C

BOYD, H. William., North Carolina State University, Department of Geosciences, Raleigh, North Carolina, 27607

Beach erosion and environmental study of Outer Banks of Pea Island, Cape Hatteras National Seashore, North Carolina. Status: A

BRACY, D. See ANDERSON, Charles N.

BRODKORB, Pierce, University of Florida, Department of Zoology, Gainesville, Florida, 32601

1. Catalogue of fossil birds. Status: A

2. Tertiary birds of Florida. Status: B

3. Fossil birds of Olduvai Gorge, Tanzania. Status: B

4. Pleistocene birds of the valley of Mexico. Status: B

BROOKS, Robert A., Louisiana State University, 1837 Olive Street, Baton Rouge, Louisiana, 70802

1. Mineralogy and geochemistry of Mississippi River Plume. Status: B

2. Clay mineralogy and geochemistry of Lakes Pontchartrain and Maurepas, Louisiana. Status: D

BROWER, John C., University of Tennessee, Department of Geology, Knoxville, Tennessee, 37916

Geology and mineralogy of the East Fork Mine, Sevier County, Tennessee. Status: C

BROWN, Bahngrell W., University of Southern Mississippi, P. O. Box 166, Southern Station, Hattiesburg, Mississippi, 39402

1. Trace base metal habitats. Status: B

2. Oxygen differentiation index—O. D. I. Status: D

BROWN, William Randall, University of Kentucky, Department of Geology, Lexington, Kentucky, 40506

1. Structural analysis of the Arvonia-Scottsville District, Virginia (Piedmont). Status: B

2. Geologic mapping of the Willard quadrangle, Kentucky (including Elliott County peridotite bodies). Status: B

BURNETT, H. E., Georgia Department of Mines, Mining and Geology, 19 Hunter Street, S. W., Atlanta, Georgia, 30334

1. Potential offshore mineral resources of Georgia. Status: B

2. County report of Chatham County, Georgia. Status: C

3. Georgia Coastal Plain type locality. Status: B

BUTLER, James Robert, University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514

1. Geology of the northwest quarter of the Marion 15-minute quadrangle, North Carolina. Status: B

2. Geology of the Sauratown Mountains, Stokes and Surry Counties, North Carolina. Status: A

3. General geology, structure, and petrology of the Brevard zone in North Carolina. Status: A

BUTLER, John C. See KING, Elbert A., Jr.

BUTLER, L. W.; KELLER, G. H., ESSA Atlantic Oceanographic and Meteorological Labs, 901 S. Miami Avenue, Miami, Florida, 33130

1. Sedimentation and structure of the Amazon Canyon and Cone. Status: C

2. BUTLER, L. W.; MERRILL, G. F., Morphology and sedimentation in middle Chesapeake Bay. Status: B

BYRD, William J., University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514

Petrology of the Shady Dolomite in North Carolina and Tennessee. Status: C

CAMPANA, Michael E., William and Mary College, Department of Geology, Box 2304, Williamsburg, Virginia, 23185

Jointing and foliation in the Petersburg granite near Richmond, Virginia. Status: A

CAMPBELL, T. Wayne; DUNLAP, John B., Jr., Paleo Data Inc., 234 Loyola Avenue, New Orleans, Louisiana, 70112

1. Pleistocene sedimentation in northern Gulf of Mexico. Status: B

2. Exploration potential for northern Gulf of Mexico. Status: B

3. Neogene Foraminifera from Jamaica BWI. Status: C

CANIS, Wayne F., Shell Oil Company, Marine Exploration Division, P.O. Box 127, Metairie, Louisiana, 70004

Holothurian sclerites from Red Bluff Formation of Mississippi and Alabama. Status: C

CARDWELL, Dudley H., West Virginia Geological and Economic Survey, 400 Junior Avenue, Morgantown, West Virginia, 26505

1. Geologic history of West Virginia. Status: D

2. Future petroleum provinces of the United States covering West Virginia, Virginia, and Maryland. Status: A

3. The future potential for oil and gas reserves in West Virginia. Status: A

CARMAN, Mox F. See KING, Elbert A., Jr.

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

1. Geochemistry and petrology of Alpine-type ultramafic rocks. Status: B

2. Chemical reactions in the dehydration of natural serpentinites. Status: B

3. Partitioning of elements between co-existing phases of igneous and metamorphic rocks. Status: B

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

1. Behavior of sulfide minerals during regional metamorphism. Status: A

2. Gravity surveys of selected areas in the Piedmont Province of Georgia. Status: A

3. Stream sediment geochemical investigations in Georgia. Status: B

4. Partical analysis in geochemical exploration. Status: C

CARRINGTON, Thomas J., Auburn University, Department of Geology, 8080 Haley Center, Auburn, Alabama, 36830

1. Stratigraphy and structure of the Talladega Group, Chilton County, Alabama. Status: B

2. Palynological investigation of low-rank metasediments of the Talladega Group, Chilton County, Alabama. Status: A

CASANOVA, Richard L., Paleontological Research Laboratory, 3616 Garden Club Lane, Charlotte, North Carolina, 28210

Bioenvironmental studies of Tertiary and Recent Mollusca of the Panamic Province. Status: C

CHALCRAFT, Richard G., 920 Lake Drive, Shelby, North Carolina, 28150

A petrographic study of eastern North America diabases. Status: B

CHALCRAFT, Richard. See JUSTUS, Philip S.

CHANG, Feng Keng, USAE Waterways Experiment Station, P. O. Box 631, Vicksburg, Mississippi, 39181

1. Development of a rapid method for shallow subsurface geological exploration. Status: C

2. Seismic response of an earth dam due to underground nuclear explosion. Status: B

CHAPLIN, James R., Morehead State University, Box 787, Morehead, Kentucky, 40351

1. Conodont biostratigraphy of Meramec and lower Chester Mississippi rocks in the Jurricane Ridge syncline, Virginia. Status: B

2. Conodont biostratigraphy of Mississippian rocks in southwestern Virginia and adjacent West Virginia and Kentucky. Status: C

CHASE, G. H., U. S. Geological Survey, Water Resources Division, Washington, D. C., 20242

Geohydrologic parameters related to disposal of radioactive wastes by hydraulic fracturing and grout injection. Status: B

CHEN, Ping-fan, West Virginia Geological and Economic Survey, 1277 Dogwood Avenue, Morgantown, West Virginia, 26505

Stratigraphy and oil possibilities of lower Paleozoic rocks in West Virginia and neighboring states. Status: A

CHICO, Raymundo J., Consulting Geologist, 103 Woodlawn Road, Baltimore, Maryland, 21210

Uranium deposits in the southeast United States. Status: B

CHOWNS, T. M., University of Georgia, Department of Geology, Athens, Georgia, 30601

1. Petrology of supratidal, intertidal, and shallow subtidal carbonates, and related rocks, Sequatche Formation, upper Ordovician, N. W. Georgia, and S. E. Tennessee. Status: B

2. Petrology of sedimentary ironstones and associated rocks in the silurian of the southern Appalachians. Status: B

CLARKE, Otis M., Jr., Alabama Geological Survey, P. O. Box O, University, Alabama, 35486

1. Lateritic weathering in Piedmont Province, Alabama. Status: A

2. Geochemical prospecting in lateritic soil, Alabama Piedmont. Status: B

3. Copper in Alabama. Status: B

4. Geochemistry of gibbsite in bauxite and lateritic soil. Status: C

CLEARY, William J., University of South Carolina, Department of Geology, Columbia, South Carolina, 29208

1. Provenance model study: Piedmont Rivers to Atlantic Deep Sea Floor. Status: A

2. Petrology of Piedmont and coastal Plain River sands, southeastern United States. Status: B

3. Environmental significance of embayed quartz sand grains, southeast United States. Status: A

4. Acoustical model studies: physiography and sedimentation within the Hatteras Abyssal Plain-Fan Complex. Status: C

CLEAVES, Emery T., Maryland Geological Survey, Johns Hopkins University, 210 Lutrobe Hall, Baltimore, Maryland, 21218

1. Coastal Plain and surficial geology of Baltimore County. Status: B

2. Geochemical balance of a small watershed, and its geomorphic implications. Status: A

3. Chemical and clastic denudation from a serpentinite watershed. Status: B

4. Gabbroic rock weathering and the formation of kaolinite-montmorillonite clay mineral assemblages. Status: B

CLEMENT, Stephen C., College of William and Mary, Department of Geology, Williamsburg, Virginia, 23185

1. Mineralogic and chemical variability in the Petersburg granite, Virginia. Status: B

2. Mineralogy and petrology of metavolcanic rocks near Hylas, Virginia. Status: A

3. An occurrence of reyerite in Virginia. Status: A

4. Metamorphic facies in the eastern Virginia Piedmont. Status: C

CLOOS, Ernst, The Johns Hopkins University, G.S.A.:N.S.F., Baltimore, Maryland, 21218

Microtectonics of the western edge of the Appalachian crystallines: Potomac to James Rivers, Virginia. Status: A

COCH, Nicholas K., Queens College of CUNY, Geology Department, Flushing, New York, 11367.

1. Pleistocene lagoonal facies east of Portsmouth, Virginia. Status: B

2. COCH, Nicholas K.; JOHNSON, Gerald. Origin and significance of a Coquina facies of the Yorktown Formation (Late Miocene at Chuckatuck, Virginia. Status: A

3. COCH, Nicholas K.; JOHNSON, Gerald. Post-Miocene geology of the Chuckatuck area, Virginia. Status: C

4. COCH, Nicholas K.; THURBER, David; GODDARD, John. Uranium series dating of Pleistocene corals from Virginia Beach, Virginia. Status: B

CONKIN, James E., University of Louisville, Department of Geology, Louisville, Kentucky, 40208

1. Middle Devonian bone beds. Status: A

2. Devonian foraminifera. Status: B

3. Middle Devonian stratigraphy. Status: B

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

1. Continental slope sedimentation on the Atlantic Continental Margin. Status: B

2. Geosynclines in the Precambrian and Lower Paleozoic of southern Appalachian. Status: B

3. Sand grain studies in the Piedmont-Coastal Plain. Status: B

4. Continental margin geology. Status: B

COOK, Robert B., Jr., University of Georgia, Geology Department, Athens, Georgia, 30601

Origin and geologic history of massive sulphides in west-central Georgia. Status: A

CORGAN, James X., Austin Peay State University, Clarksville, Tennessee, 37040

1. Revision of the Gastropod family Pyramidellidae. Status: B

2. Loess of the northwest Highland Rim, Tennessee. Status: A

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

1. Bibliography of Pennsylvania geology, supplement to 1969. Status: A

2. Permian rocks from the Sublett Range, central-southern Idaho. Status: A

3. CRAMER, Howard Ross; BAGBY, Robert. Crinoid from the Upper Mississippian Floyd Shale in Floyd County, Georgia. Status: B

4. CRAMER, H. R.; HOBSON, R. D. Altamaha estuary and river sedimentation, Georgia. Status: B

CRAWFORD, Thomas J., West Georgia College, Department of Geology, Carrollton, Georgia, 30227

1. Stratigraphic, structural, and petrologic relationships of rock units within and adjacent to the Brevard fault zone. Status: C

2. Stratigraphy and structure of the central-west Georgia Piedmont. Status: B

3. Mineral resources of the Chattehoochee-Flint area, Georgia. Status: A

CROWLEY, William P., Maryland Geological Survey, Johns Hopkins University, Baltimore, Maryland, 21218

1. Detailed stratigraphic-structural analysis of the Towson gneiss dome, Maryland. Status: B

2. Detailed stratigraphy of the Baltimore gneiss and Glenarm Series in southern Baltimore County. Status: B

3. Environmental geology of the Towson 7 1/2' quadrangle, Baltimore County, Maryland. Status: B

4. The Baltimore gabbro as a possible aphiolite complex. Status: D

CROWSON, Ronald Alan, East Carolina University, Geology Department, Greenville, North Carolina, 27834

A study of the Post-Castle Hayne sediments on the New River, Onslow County, North Carolina. Status: B

CURRAN, H. Allen, Smith College, Department of Geology, Northampton, Massachusetts, 01027

1. Upper Cretaceous Foraminifera and subsurface stratigraphy of the southeastern North Carolina Coastal Plain. Status: A

2. Foraminifera from outcropping upper Cretaceous strata of the Carolinas Coastal Plain. Status: C

3. CURRAN, H. Allen; WHEELER, Walter H. Confirmation of Cretaceous age of some indurated strata near Castle Hayne, North Carolina. Status: A

DARRELL, James H., II., Louisiana State University, Geology Department, Baton Rouge, Louisiana, 70803

Palynological environments of the Mississippi River delta. Status: B

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

1. Guide to the geology and engineering of the Chesapeake and Ohio Canal. Status: A

2. Terraces of the Potomac River basin. Status: B

3. Peridotite dikes in western Maryland. Status: A

4. Mass-energy relations, slides in Nelson County, Virginia, from hurricane Camille. Status: C

DAVIS, Harry T., North Carolina State Museum, Box 27646, Raleigh, North Carolina, 27611

Meteorites, North Carolina (general). Status: B

DAVIS, Louis L., Jr., University of Texas, Department of Geological Sciences, Austin, Texas, 78712

Comparative petrology of the Hatchetigbee and Tallahatta Formations, Clay County, Georgia, and Henry County, Alabama. Status: B

DEBARTOLO, Bruce A., 6431 Catina Street, New Orleans, Louisiana, 70124

Geology of the Pachuta Creek, Nancy, East Nancy area, Clarke County, Mississippi. Status: A

DEIKE, George, Western Illinois University, Department of Geology, Macomb, Illinois. 61455

1. Some aspects of hydrology of the central Kentucky karst. Status: B
2. Hydraulic geometry of cavern passages (Virginia, West Virginia, and Kentucky). Status: B

DENAHAN, Steve, Florida Department of Transportation, P. O. Box 1029, Gainesville, Florida, 32601

1. Mineralogy and petrology of secondary phosphates in Florida. Status: B
2. Detection of sinks and caverns in limestone using geophysical methods. Status: C
3. Engineering significance of fractures and/or faults in the Eocene limestones of northern peninsular Florida. Status: B

DENNISON, John M., University of North Carolina, Geology Department, Chapel Hill, North Carolina, 27514

1. Regional sedimentary tectonics and stratigraphy of Silurian in southern part of Appalachian Basin. Status: B
2. DENNISON, John M.; TEXTORIS, D. A., Stratigraphy and petrology of Devonian Tioga Bentonite. Status: A
3. DENNISON, John M.; WHEELER, Walter H., Stratigraphy and sedimentologic studies in Triassic Durham Basin. Status: D
4. DENNISON, John M.; HASSON, Kenneth., Devonian Millboro shale and relations to Hamilton Group in West Virginia and adjacent states. Status: A

DERATMIROFF, Gregor N., University of Southern Mississippi, P. O. Box 5192, Hattiesburg, Mississippi, 39401

1. Low angle thrust faulting on the northern flank of the Venezuelan Andes. Status: A

1. Low angle thrust faulting on the northern flank of the Venezuelan Andes. Status: A

2. Late Cenezoic Flap thrusting in the Venezuelan Andes. Status: A

3. Hydrous-anhydrous mineralogical assemblages in the Granulite facies. Status: C

4. Mineralogy-geochemistry and origin of highly metamorphosed sedimentary and igneous rocks. Status: B

DEVRIES, David A., Wheaton College, Department of Geology, Wheaton, Illinois, 60187

1. Post-Miocene stratigraphy of the barrier island-lagoon complex, southeastern Accomack County, Virginia. Status: A

2. Clionid sponges from the Cretaceous. Status: B

DIXON, Louis H., Louisiana Geological Survey, Department of Geology, Box G, University Station, Baton Rouge, Louisiana, 70803

1. Geological map of Claiborne Parish. Status: A

2. Geological map of Lincoln Parish. Status: A

3. Geological map of Jackson Parish. Status: A

4. Geological map of Union Parish. Status: D

5. Clay survey, statewide; use for heavy clay products and lightweight aggregate - grain size analysis and X-ray diffraction. Status: B

DODD, J. Robert; HATTIN, Donald E., Indiana University, Department of Geology, Bloomington, Indiana, 47401

Geology of shallow-water marine environments in Bahia Honda Key and Big Pine Key areas, Florida. Status: B

DOEBLER, Charles E., Montgomery County Public Schools, Montgomery Blair High School, Silver Spring, Maryland, 20910

Multimedia approach to individualized instruction in earth science. Status: B

DOLAN, Robert, University of Virginia, Charlottesville, Virginia.

Shoreline processes along the outer banks of North Carolina. Status: B

DONALDSON, Alan C., West Virginia University, Geology Department, Morgantown, 26506

Stratigraphy of the Monongalhea Group of the Dunkard Basin. Status: A

DRANCVZAL, James A., Geological Survey of Alabama, 118 Brookhaven, Tuscaloosa, Alabama, 35401

1. Mississippian goniatites of Alabama. Status: C

2. The Coosa deformed belt of Alabama-an example of thin-skinned tectonics. Status: B

3. The stratigraphy of the Upper Ordovician of Alabama. Status: A

4. A general study of the conodonts of Alabama. Status: B

DUANE, David B.; JAMES, William R.; TELEKI, Paul G., Department of Army, Coastal Engineering Research Center, 5201 Little Falls Road, N. W., Washington, D. C., 20016

Radioisotopic sand tracer study (RIST) Wilmington Beach, North Carolina. Status: C

See also FIELD, Michael E., and MEISBURGER, Edward P.

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

1. Summary of the Neogene geology of southern Florida. Status: A

2. Post-Miocene stratigraphy-paleoecology of Middle Coastal Plain, North and South Carolina. Status: B

3. Systematics, paleoecology and geochronology of the Molluscan assemblages of the Waccamaw Formation, North and South Carolina. Status: B

4. DUBAR, Jules R.; HUNTER, Muriel. Paleoecology of the Pinecreast Formation, Sarasota County, Florida. Status: C

5. DUBAR, Jules R.; DUBAR, Susan. Echinoid Fauna of the Waccamaw Formation, North and South Carolina. Status: C

6. DUBAR, Jules R.; BLACKWELDER, Blake. Computer package for the determination and analysis of recurrent groups. Status: B

DUBBINS, David A., Northwestern State College, Department of Geology, Natchitoches, Louisiana, 71457

Early diagenetic interactions between pore water and sediment in modern coastal sediments. Status: C

DUNLAP, John B., Jr. See CAMPBELL, T. Wayne.

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

1. Origin of the Henderson gneiss. Status: C

2. Rupture point of rock as a function of foliation orientation and interstitial fluid pressure. Status: B

3. Analysis of polyphase deformation in the southern Appalachians. Status: B

4. Geological mapping of volcanic terranes by analytical chemistry. Status: C

DURHAM, C.O., Jr., Louisiana State University, School of Geoscience, Baton Rouge, Louisiana, 70803

1. Pleistocene terraces of Louisiana. Status: B

2. Subsurface south Mississippi uplift. Status: B

ELLISON, Robert, University of Virginia, Department of Environmental Sciences, Charlottesville, Virginia, 22903

1. Benthic Foraminifera, Chesapeake Bay and its tributaries. Status: B

2. Microcorrelation using molluscan shell lamellae. Status: C

3. Life habits of the Foraminifera Ammobaculities. Status: C

ENLOE, A. O., Georgia Department of Mines, Mining and Geology, 19 Hunter Street, S. W., Atlanta, Georgia, 30334

County report of Dekalb County, Georgia. Status: B

ESTEP, Patricia A., U. S. Bureau of Mines, Collins Ferry Road, Morgantown, West Virginia, 26505

1. Infrared spectroscopic determination of minerals in coal and coal products. Status: B

2. Determination of individual minerals in lunar samples by infrared spectormetry (Apollo 12 and 13). Status: C

ESTES, Ernest L., III, University of North Carolina, 3 Mitchell Hall, Chapel Hill, North Carolina, 27514

Diagenesis in the Castle Hayne and associated carbonate facies in the eastern North Carolina. Status: B

EVERNDEN, Roberta K. Smith, Smithsonian Institution, Department of Paleobiology; and Department of Geology and Geography, Howard University, Washington, D. C., 20001

1. Relationship of living planktonic foraminifera to water masses and circulation in the Atlantic Ocean. Status: B

2. Relationship of living and fossil benthonic foraminifera to the history of the Atlantic Ocean basin and its western continental margins. Status: C

FAAS, Richard W., Lafayette College, Geology Department, Easton, Pennsylvania, 18042

1. Physical properties of Chesapeake Bay sediments. Status: B

2. Sedimentology of selected sub-estuaries of Chesapeake Bay. Status: B

FAIRLEY, W. M., University of Notre Dame, Department of Geology, Notre Dame, Indiana, 46637

1. Stratigraphy and structure of the northwestern portion of the Georgia Piedmont. Status: B

FARMER, George T., Jr., Madison College, Department of Geology, Harrisonburg, Virginia, 22801

1. Geologic map of northwestern Augusta County, Virginia. Status: C

2. Bryozoa of the Lower Middle Ordovician in Virginia. Status: B

FERRELL, Ray E., Jr., Louisiana State University Department of Geology, Baton Rouge, Louisiana, 70803

1. Quaternary geology of Louisiana Continental Shelf. Status: B

2. Mineralogy and diagenesis of shallow marine sediments. Status: B

FIELD, Michael E.; PILKEY, Orrin H., Department of the Army, Coastal Engineering Research Center, 5201 Little Falls Road, N. W. Washington, D. C., 20016

1. Sediments of the North Carolina Continental Rise. Status: A

2. Carbonate grain size distribution in Continental Margin sediments. Status: B

3. FIELD, Michael E.; MEISBURGER, Edward P., DUANE, David B. Geomorphology and sediment characteristics of the Inner Continental Shelf, Cape Kennedy, Florida. Status: B

4. FIELD, Michael E.; MEISBURGER, Edward P.; DUANE, David B. Geomorphology and sediment characteristics of the Inner Continental Shelf, Cape Fear, North Carolina. Status: C

See also MEISBURGER, Edward P.

FIELD, William L., Phillips Petroleum Company, P. O. Box 1729, Shreveport, Louisiana, 71102

Continuing oil exploration in southeastern United States. Status: B

FIELDS, Noland E., Western Kentucky University, Geology Department, Bowling Green, Kentucky, 42101

Phylogenetic history of the Bryozoan Adenonellopsis in the Tertiary rocks of the Gulf states. Status: B

FISHER, George W., Johns Hopkins University, Department of Earth's Planetary Sciences, Baltimore, Maryland, 21218

Geology of New Windsor quadrangle, Maryland. Status: B

FOLLOWILL, Fred E., University of Mississippi, Department of Geology and Geological Engineering, University, Mississippi, 38677

1. Shear body wave traveltimes and velocity distribution in the mantle. Status: A
2. Seismicity of the Mississippi Embayment area. Status: C
3. Crustal loading and tilts associated with reservoir filling and sedimentation. Status: C
4. Detection of perched water tables with shallow refraction measurements. Status: C

FORREST, Joseph T., Jr., Rice University, Department of Geology, Houston, Texas, 77001

The Murphy syncline in southwestern North Carolina and northern Georgia. Status: B

FOSS, Donald W., North American Exploration, P. O. Box 5584, Charlottesville, Virginia, 22903

1. Geochemistry of formation–Shawsville travertine. Status: D
2. Analysis of natural waters in the vicinity of a known sulfide ore body to determine the natural limits of pollution. Status: C
3. Neutron activation analysis as an analytical tool for the exploration goelogists. Status: A

FRAZIER, William J., University of North Carolina, Box 22, Mitchell Hall, Chapel Hill, North Carolina, 27514

1. Description of reefs in Castle Harbor, Bermuda. Status: A

2. Petrography of Castle Harbor Reefs, Bermuda. Status: B

3. Unusual strontium concentrations in Mississippian dolostone, central Tennessee. Status: C

FULLAGAR, Paul D., University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514

1. Rb-Sr whole-rock ages of granitic plutons of the Piedmont. Status: A

2. Effect of weathering on Rb-Sr whole-rock ages. Status: A

3. Sr^{87}/Sr^{86} initial ratios of plutons of the Piedmont. Status: A

4. Rb-Sr whole-rock ages of gneisses and plutons in the Blue Ridge of North Carolina and Virginia. Status: A

5. Origin of the amphibolites in the Ashe Formation, North Carolina. Status: C

6. Rb-Sr and K-Ar mineral ages for granitic plutons in the Piedmont of North Carolina, South Carolina, and Virginia. Status: C

7. Sr^{87}/Sr^{86} initial ratios, rare earth compositions and K-Ar ages of dolerite dikes from North Carolina, South Carolina, and Virginia. Status: B

8. Rb-Sr and K-Ar study of mylonites from the Brevard Fault zone, North Carolina and South Carolina. Status: B

9. Rb-Sr study of the Mt. Rogers volcanics, Virginia and North Carolina. Status: D

FUNKHOUSER, John W., John Tyler Community College, Chester, Virginia, 23831

1. Mapping and structure in west Hanover and east Louisa Counties, Virginia. Status: B

2. The relationship of iron sulfides, organic matter, and depositional environments. Status: B

FURBISH, William J., Duke University, Geology Department, 6665 College Station, Durham, North Carolina, 27708

1. Chloritoid and its relationships in chloritoid bearing rocks of North and South Carolina. Status: B

2. Phosphate mineralogy of the Deep River Triassic Coal Basin of North Carolina. Status: B

FURLOW, J. W., Georgia Department of Mines, Mining, and Geology, 19 Hunter Street, S. W., Atlanta, Georgia, 30334

1. Tertiary stratigraphy of the Savannah River, Georgia. Status: C

2. Evaluation of the heavy minerals deposit of Glynn County, Georgia. Status: A

3. County report of Screven County, Georgia. Status: C

GABELMAN, John W., Atomic Energy Commission, Washington, D.C. 20545

1. Formational temperatures of liquid-gas inclusions in minerals of uranium ore deposits. Status: B

2. Chlorite and related minerals associated with uranium mineralization. Status: B

3. Characteristics of limonite derived from the oxidation of various minerals. Status: A

GAFFNEY, Eugene S.; BAIRD, Donald; PATTERSON, O. F., III, American Museum of Natural History, Central Park West, New York, N. Y., 10024

Triassic reptile fauna of the Pakin Formation in North Carolina. Status: B

GALLI-OLIVIER, Carlos A., Miami-Dade Junior College, South Campus, Miami, Florida, 33156

Petrology of the oolitic limestones of South Florida. Status: C

GALVIN, Cyril J., Department of the Army, Coastal Engineering Research Center, 5201 Little Falls Road, N. W., Washington, D.C. 20016

1. CERC-US Coast Guard Cooperative Surf Observatory Program, Maryland to Louisiana. Status: B

2. Classification of inlets. Status: B

GARLD, Langford; GARLD, Matt., St. Pete Junior College, Clearwater, Florida, 33515

Audio-visual-tutorial approach to teaching earth science. Status: A

GARLD, Matt, St. Pete Junior College, Clearwater, Florida, 33515

1. Computer assisted instruction for lab-oriented physical geology courses. Status: C

2. Slope stability in Miocene sediments in northwestern Florida. Status: D

See also GARLD, Langford.

GAURI, K. L., University of Louisville, Department of Geology, Louisville, Kentucky, 40208

1. Brassfield-age (l. Sil.) Brachiopoda from Kentucky, Ohio, and Alabama. Status: A-D

2. Shell-fabric of Siluro-Ordovician dalmassellid, orthid and strophomenid Brachiopod from Kentucky, Indiana, and Ohio. Status: C

GEORGIA DEPARTMENT OF MINES, MINING AND GEOLOGY. See WAMPLER, J. M

GERNANT, Robert E., University of Wisconsin-Milwaukee, Department of Geological Sciences, Milwaukee, Wisconsin, 53201

1. Molluscan biofacies and paleoenvironmental significance in the Maryland Miocene. Status: A

2. Ostracode biofacies and paleoenvironmental significance in the Maryland Miocene. Status: B

3. Paleoenvironmental significance of selected biogenic structures in the Maryland Miocene. Status: A

4. Origin of shell beds in the Maryland Miocene. Status: A

GIARDINI, A. A., University of Georgia, Department of Geology, 180 Lanier Court, Athens, Georgia, 30601

1. Shear strength of rocks to 100 kilobars. Status: B

2. Hydrogen-minerals reactions. Status: B

3. Diamond research. Status: B

GIBBS, G. V. See RIBBE, P. H.

GIDLEY, Donald Frank. University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27519

Seismic refraction study of the Dan River Basin. Status: C

GIPSON, M., Jr., Virginia State College, Department of Geological Sciences, Petersburg, Virginia, 23803

Analysis (paleogeographical) of Coastal Plains gravels of Petersburg, Virginia area. Status: C

GODDARD, John. See COCK, Nicholas.

GODFREY, Andrew E., Vanderbilt University, P. O. Box 14, Station B, Nashville, Tennessee, 37203

1. Geochemical balance of a small watershed, and its geomorphic implications. Status: A

2. Geomorphology of Catoctin and South Mountains, Maryland. Status: A

3. Chemical quality of selected streams in middle Tennessee. Status: B

GOMBERG, David N., Rosenstiel Institute of Marine Sciences, 10
Rickenbacker Causeway, Miami, Florida, 33149

1. Leaching of Mg from high-Mg calcite in the deep sea. Status: A

2. Sedimentary Fe ratios and the evolution of the atmosphere. Status: B

3. Carbonate turbidites in the South Pacific. Status: A

GOMBOS, Andrew M., Jr., Washington and Lee University, Box 255, Lexington, Virginia, 24450

Micro-facies variations in the Middle Ordovician New Market Limestone in the Lexington, Virginia, areas. Status: A

GOODWIN, Bruce K., College of William and Mary, Department of Geology, Williamsburg, Virginia, 23185

1. Geology of the Hylas and Midlothian quadrangles, Virginia. Status: A

2. Structural behavior of the Petersburg granite, Virginia. Status: B

3. Structure of the eastern Piedmont of Virginia. Status: B

4. High level gravels on the eastern Piedmont of central Virginia. Status: C

GREEN, M. A., Georgia Department of Mines, Mining and Geology, 19
Hunter Street, S. W., Atlanta, Georgia, 30334

1. County report of Hart County, Georgia. Status: B

2. Georgia economic mineral display. Status: C

3. Georgia minerals operators. Status: A

GRIFFIN, Villard Stuart, Jr., Clemson University, Department of Chemistry and Geology, Clemson, South Carolina, 29631

Structure, petrology and stratigraphy of the Inner Piedmont, King's Mountain and Charlotte Belt's along and north of the South Carolina Georgia border. Status: B

GRIFFIS, Stan, University of Florida, Department of Geology, Gainesville, Florida, 32601

1. Subsurface investigation of bridge foundations. Status: C

HADLEY, Jarvis B., U.S. Geological Survey, Washington, D. C., 20242

1. Geology of Knoxville 2° quadrangle. Status: D

2. Geology of Oxford quadrangle, Granville County, North Carolina. Status: C

HALSEY, Susan D., University of Delaware, Geology Department, Newark, Delaware, 19711

1. Organic erosion of Carolina Shelf sediments. Status: A

2. Barrier Island development-middle Atlantic states. Status: C

3. Shoreline changes and processes - New Jersey Barrier Islands. Status: D

HAMMON, Stratton, 3750 Wilmington Ave., Louisville, ky. 40207

Seismology, vibration damage

HANEY, Donald C., Eastern Kentucky University, Department of Geology, Richmond, Kentucky, 40475

1. Trace element study along the Kentucky River fault system. Status: B

2. Clay mineral study of the Crab Orchard Formation, central Kentucky. Status: C

HANSELMAN, David H., University of South Carolina (Graduate Student), 129 South Pickens, Columbia, South Carolina, 29201

1. Petrology of some Ocoee conglomerates, Little Tennessee River. Status: C

2. Geochemistry and petrology of Chalk Mountain alaskite and its amphibolite inclusions. Status: B

HARRIS, B. B., Georgia Department of Mines, Mining and Geology, 19 Hunter Street, S. W., Atlanta, Georgia, 30334

1. Sillimanite investigation. Status: C

2. Chatham County, Georgia clay recovery. Status: A

3. Houston County, Georgia mineralogical study. Status: A

HARRIS, D. L., Department of the Army, Coastal Engineering Research Center, 5201 Little Falls Road, N. W., Washington, D. C., 20016

CERC wave gaging program, Maryland to Texas. Status: B

HARRISON, R. N., See RONA, P. A.

HARRISON, Stanley C., The Johns Hopkins University, Department of Earth and Planet Sciences, Baltimore, Maryland, 21218

Recent sedimentation of an open-coast tidal flat-complex. Status: A

HART, George F., Louisiana State University, Department of Geology, Baton Rouge, Louisiana, 70803

1. Distribution of some biologic particles over the Gulf of Mexico. Status: B

2. Statistical techniques in palynological analysis. Status: B

3. HART, George F.; DARRELL, J. Palynology of Mississippi River Delta and Plume. Status: A

4. HART, George F.; COYNE, J.; FIEHLER, J. Information storage and retrival of palynological data. Status: B

5. HART, George F.; PIERCE, Bob. The Mio-Pliocene Coccoliths of Jamaica. Status: B

6. HART, George F.; CHRISTOPHER, R. Statistical analysis of the distribution and correlation of miospores in some upper Cretaceous wells of Alabama. Status: A

HARVEY, Thomas J., Duke University, Department of Zoology, Durham, North Carolina, 27706

History of Lake Albert. Status: C

HASELTON, George M., Clemson University, Department of Geology, Clemson, South Carolina, 29631

1. Postglacial rebound in southeast Hudson Bay, Quebec, Canada. Status: B

2. Geological investigations of Quaternary deposits, southeastern District of Keewatin, Canada. Status: C

HASSON, Kenneth, East Tennessee State University, Department of Geology, Johnson City, Tennessee, 37601

1. Lithostratigraphy of the Grainger Formation (Mississippian), NE Tennessee. Status: A

2. Stratigraphy of the Chattanooga Shale along Clinch Mountain, NE Tennessee. Status: B

HASTINGS, Earl L., Eufaula Bauxite Mining Company, Box 556, Eufaula, Alabama, 36027

Origin of Eufaula (Ala.) bauxite deposits. Status: C

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

1. Stratigraphic, structural, and petrologic interrelationships between the Inner Piedmont, Brevard, and Blue Ridge assemblages in northwestern South Carolina. Status: A

2. Structural, stratigraphic, and metamorphic history of the Tallulah Falls Dome and adjacent area, northeast Georgia. Status: C

3. Blue Ridge stratigraphy in northwest South Carolina. Status: A

4. Structure of the Brevard zone in South Carolina and adjacent North Carolina and Georgia. Status: A

HATTIN, Donald E., See DODD, J. Robert.

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

Isopachous map of the Greenbrier Limestone (Group) in West Virginia. Status: A

HAWKS, Paul H., U.S.D.A., A.R.S. Sedimentation Laboratory, Park Drive, Oxford, Mississippi, 38655

1. Reservoir sedimentation. Status: B

2. Density of reservoir sedimentation in situ measured by gamma probes. Status: B

3. Distribution of radioactive fallout as a result of sedimentary processes. Status: B

HAY, William W., University of Miami, Rosenstiel School of Marine Atmospheric Sciences, 10 Rickenbacker Causeway, Miami, Florida, 33149

Biostratigraphy of calcareous Nannoplankton in Cretaceous and Tertiary strata, southeastern United States. Status: B

HAYES, Arthur W., Virginia Polytechnic Institute, Department of Geological Sciences, Blacksburg, Virginia, 24061

1. Petrography and interpretations of selected Middle Ordovician limestones of southwest Virginia. Status: D

2. Trend surface analyses of the Silurian Tuscarora SS. to determine thrust fault displacements. Status: B

HEATH, Ralph C., U. S. Geological Survey, P. O. Box 2857, Raleigh, North Carolina, 27602

Hydrology of fractured rocks. Status: B

HECKY, Robert E., Duke University, Department of Zoology, Durham, North Carolina, 27706

Environmental history of northern Taszania. Status: B

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

1. Geologic history and development of Georgia salt marshes. Status: A

2. Sediments, stratigraphy and shallow structure of the Continental Shelf, southeast United States. Status: C

HERMES, O. Don., University of Rhode Island, Department of Geology, Kingston, Rhode Island, 02881

Distribution of transition metals in coexistent silicates from the Mecklenburg gabbro-metagabbro complex. Status: C

HERON, S. D. See MACINTYRE, Ian G.

HERZ, Norman, University of Georgia, Department of Geology, Athens, Georgia, 30601

1. Geology of the Roseland anorthosite, Amherst-Nelson Counties, Virginia. Status: B

2. Economic geology of titanium. Status: B

HINDS, Robert W., Smithsonian Institution, Division of Inv. Paleontology, Washington, D. C., 20560

Eocene and Oligocene tubuliporid cyclostome Bryozoa of the Gulf Coastal Plain. Status: A

HOSKIN, Charles M., University of Southern Mississippi, Box 5345, Hattiesburg, Mississippi, 39401

1. Pleistocene and Holocene Bird Gastroliths, Alaska. Status: A

2. Size-frequency distribution and mineralogy of ice-contact valley glacier sediment and chemistry of associated meltwater, Alaska. Status: B

3. Modern marine carbonate sediment, Sitka Sound, Alaska. Status: B

4. Recent sedimentation in Queen Inlet, Glacier Bay National Monument, Alaska. Status: B

5. Water and sediment, supply and accumulation in the estuary, St. Louis Bay, Mississippi. Status: C

HOWARD, James D., University of Georgia, Marine Institute, Sapelo, Georgia, 31327

1. Comparison of modern and ancient marshes clastic sedimentary environments. Status: B

2. Sediment transport in portions of the Georgia coast. Status: B

HOWE, Henry V., Louisiana State University, Department of Geology, Baton Rouge, Louisiana, 70808

1. Ecology of American Torose Cytherideidai (Ostracoda). Status: A

2. Ostracod taxonomy, v. 2. Status: A

HUGHES, Travis H., University of Alabama, Department of Geology, Box 1945, University, Alabama, 35486

1. Minor elements in sphalerite of the Jeff Price Mine, Cave-in-Rock District, Illinois. Status: B

2. Fluid inclusion studies, Jeff Price Mine, Cave-in-Rock District, Illinois. Status: C-B

3. Barite in Alabama. Status: C

4. Chemical reactions during deep well disposal of industrial waste, Status: C

HULME, James A., University of Tennessee, 3700 Southerland Avenue, Apt., Y-4, Knoxville, Tennessee, 37919

Petrologic study of amphibilites of southeast Tennessee and northeast Georgia. Status: B

HUNT, Graham, Eastern Kentucky University, Geology Department, Richmond, Kentucky, 40475

1. Igneous rocks of Elliott County, Kentucky. Status: C

2. Kimberlites of eastern United States and Canada. Status: C

HUNTER, Muriel E., Coastal Petroleum Company, 6350 62d Street, North, Pinellas Park, Florida, 33565

1. Mollusks of the Tamiami and Hawthorn Formations, Florida. Status: B

2. Mollusks of the Inglis Limestone, Florida. Status: C

IBRAHIM, Yarub K., University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514

1. Paleocurrents and sedimentary history of the Tuscaloosa Group sediments in North Carolina. Status: A

2. The Cretaceous-Tertiary fluvial cycles in southcentral North Carolina. Status: B

3. Origin of the hematite-cemented crusts and armored balls in the Cretaceous of the Carolinas. Status: C

ISPHORDING, Wayne C., University of South Alabama, Department of Geology, Mobile, Alabama, 36608

1. Petrology and stratigraphy of the Alabama Miocene. Status: B

2. Authigenic talc in Gulf Coast Miocene sediments. Status: A

3. Petrology of the Sougahatchee granite. Status: C

JAMES, William R. See DUANE, David B.

JANKE, N. C., Sacramento State College, 2670 Fair Oaks Blvd., Sacramento, California, 95819

1. Shape sorting by sieving. Status: B

2. Settling and traction velocity parameters. Status: B

JOHNSON, Gerald. See COCH, Nicholas K.

JOHNSON, Henry S., Jr., Sandhill Resources, Inc., Cornal Arms, Columbia, South Carolina, 29201

Geology and mineral resources of the Ridgeway SW 7 1/2' quadrangle, South Carolina. Status: C

JONES, Lois M., University of Georgia, Department of Geology, Athens, Georgia, 30601

Rb-Sr age of the Ducktown District, sulfide deposits. Status: A

JONES, Walter B.; VARNEDOE, William W., Jr., Geological Survey of Alabama, P. O. Drawer O, University, Alabama, 35486

1. Caves of Morgan County, Alabama. Status: A

2. Caves of Jackson County, Alabama. Status: B

JUDD, James B. See LYNTS, George W.

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

1. Structure and metamorphism along Blue Ridge front and Brevard zone in Wilkes and Caldwell Counties, North Carolina. Status: B

2. Amygdaloidal basalt flow (?) and associated volcanic breccia in the Triassic Pekin Formation, North Carolina. Status: D

3. Petrology, geochemistry, and structural relations of the Stone Mountain adamellite stock and satellites, Wilkes County, North Carolina. Status: C

4. JUSTUS, Philip S.; WEIGAND, Peter; CHALCRAFT, Richard. Petrology and geochemistry of diabase dikes in North Carolina. Status: B

KALDOR, Michael, 27 C Circle Drive. Tiburon, California.

Possible use of heavy minerals for obtaining relative ages of Pleistocene features. Status: B

KANES, William H., West Virginia University, Geology Department, Morgantown, West Virginia, 26505

1. Structural geology of Smoke Hole area, eastern West Virginia. Status: B

2. Structural geology of Browns Mountain area, southern West Virginia. Status: C

3. Petroleum geology of West Virginia and contiguous areas. Status: B

KAYE, John M., Mississippi State University, State College, Mississippi, 39762

1. Catalogue of Pleistocene mammals found on Mississippi River gravel bars of northwest Mississippi. Status: A

2. Fragments of Pleistocene mammals found on elevated ridges in Cretaceous Marl Belt of northeast Mississippi. Status: B

3. Mammut americanus found in alluvium deposits in Lee County, Mississippi - (two). Status: B

4. KAYE, John M.; RUSSELL, Dale, Young Hadrosaur found in the Eutaw Formation in Lowndes County, Mississippi. Status: C

KAZMANN, R. G., Louisiana State University, Department of Civil Engineering, Baton Rouge, Louisiana, 70803

Subsidence and ground water withdrawals in the Baton Rouge area. Status: A

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

1. Hydrochemical facies in Wilcox aquifiers in Mississippi. Status: A

2. The use of moments for mapping vertical variability of Cretaceous aquifers in Mississippi. Status: C

KELLER, G. H., ESSA Atlantic Oceanographic and Meteorological Labs, 901 S. Miami Avenue, Miami, Florida, 33130

1. Mass physical properties of sediments from the Tobago Trough, Lesser Antilles. Status: C

See also BUTLER, L. W.

KENNEDY, James A., University of Tennessee, Department of Geology, Knoxville, Tennessee, 37919

Mineralogy and petrology of the Pennington Formation near Rockwood, Tennessee. Status: C

KESSINGER, Walter Paul, Jr., University of Southwestern Louisiana, P. O. Box 109, USL Station, Lafayette, Louisiana, 70501

Biostratigraphy of the Comanchean Ostracoda of north central Texas. Status: A

KHAN, Rashid A., Louisiana State University, School of Geoscience, Baton Rouge, Louisiana, 70803

Geochemistry of the ground water in Baton Rouge, Louisiana. Status: A

KHOURY, S. G., University of Pittsburgh, Department of Earth and Planetary Sciences, Pittsburgh, Pennsylvania, 15213

1. Structural and metamorphic evolution of the Otter River area, west-central Piedmont, Virginia. Status: A

2. Relationship between microscopic fabric and mesoscopic structure in a deformed supracrustal assemblage, west-central Piedmont, Virginia. Status: A

3. Occurrence of glass in the Blue-Ridge complex of Virginia. Status: B

4. Geology of the 15' Goode quadrangle [adjacent to Lynchburg] Virginia. Status: B

KIDD, Robert E., Geological Survey of Alabama, P. O. Drawer O, University, Alabama, 35486

1. Gravity survey of Limestone County, Alabama. Status: A

2. Gravity survey of Mobile Dalta, Alabama. Status: A

3. The location and definition of alluvial aquifers along the Alabama River by geophysical, photogeology, and Auger test drilling methods. Status: A

4. Deep well waste disposal, Fairfield, Alabama. Status: A

KIEFER, John D., Eastern Kentucky University, Department of Geology, P. O. Box 860, Richmond, Kentucky, 40475

Pre-Chattanooga Devonian stratigraphy of Alabama. Status: A

KING, Elbert A., Jr.; CARMAN, Mox F.; BUTLER, John C., University of Houston, Department of Geology, Houston, Texas, 77004

1. Mineralogy and petrology of lunar samples. Status: B

2. Investigations of meteorites and tektites. Status: B

3. Investigations of Texas pegmatite mineralogy. Status: B

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

1. Pyritized conglomerate at Shut-in Creek, Madison County, North Carolina. Status: B

2. Effects of metamorphism on the clay minerals of the Valley and Ridge and Blue Ridge Provinces. Status: B

3. Possible Cambrian volcanism reflected in sediments of the Rome Formation. Status: C

4. Wall rocks and their relationship to the ore body, Calloway mine, Ducktown, Tennessee. Status: B

5. Characterization of RbOH-grown quartz by infrared and mass spectroscopy. Status: A

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

1. Holocene coastal geology. Status: A

2. Paleogeography of the Continental Shelf-Coastal Plain, Pleistocene-Holocene epochs. Status: B

3. Stratigraphy and structure of the Atlantic Continental Margin geosynclines. Status: A

KRINITZSKY, E. L., U. S. Army Engineer Waterways Experiment Station, Geological Research Section, P. O. Box 631, Vicksburg, Mississippi, 39180

1. Sedimentological and structural investigation of fine grained deposits in the Lower Mississippi Valley. Status: B

2. Atchafalaya test section VI backswamp deposits. Status: A

3. Radiographic evaluation of Atchafalaya borings for creep tests. Status: B

KUPFER, Donald H., Louisiana State University, Department of Geology, Baton Rouge, Louisiana, 70803

1. Internal structure of Gulf Coast salt domes. Status: B

2. Computer analysis of regional structure of portions of the United States. Status: C

LAMB, G. M., University of South Alabama, Department of Geology, Mobile, Alabama, 36608

Ecology of Foraminifera in Mobile Bay. Status: B

LARSON, Lawrence T., University of Tennessee, Department of Geology, Knoxville, Tennessee, 37916

1. Co and Ni-bearing manganese oxides from the Fort Payne Formation, Tennessee. Status: A

2. Semiquantitative determination of deformation texture in polycrystalline pyrrhotite by means of reflectance measurements and X-ray pole figures. Status: A

3. Microscopic deformation textures in southeastern massive sulphide deposits. Status: B

4. Mineralogy and geologic occurrence of "dry-matrix" breccias in the east Tennessee zinc district. Status: C

LASWELL, Troy J., Mississippi State University, Department of Geology and Geography, P. O. Box 824, State College, Mississippi, 39762

Heavy minerals of Cretaceous sands of northeast Mississippi. Status: B

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

LAWRENCE, David R., University of South Carolina, Department of Geology, Columbia, South Carolina, 29208

1. Development, structure, and paleoecology of Crassostrea gigantissima (Finch) communities in the southern Atlantic Coastal Plain. Status: B

2. Structure vs. preservability in Recent and fossil communities. Status: B

3. Life orientation patterns in Recent and fossil estuarine and littoral communities. Status: B

LAWTON, David E., Georgia Department of Mines, Mining and Geology, 1633 Mongrief Circle, Decatur, Georgia, 30033

1. County report series-Geology of Cherokee County, Georgia. Status: B

2. Geologic index map of Georgia. Status: B

3. Sillimanite benefication. Status: B

4. Physiography of Georgia. Status: C

5. County report series-Geology of Gilmer County, Georgia. Status: D

6. County report series-Geology of Pickens County, Georgia. Status: D

7. County report series-Geology of Fannin County, Georgia. Status: D

LEE, Kwang Yuan, U. S. Geological Survey, Branch of Central Environmental Geology, 715 N. George Mason Drive, Arlington, Virginia, 22203

1. Petrography of Pennsylvanian sandstone in Clay, Jackson, and Owsley Counties, Kentucky in conjunction with the Kentucky GQ mapping program. Status: B

2. Sedimentology of Tertiary and Quaternary sediments in Jackson Purchase, Kentucky, in conjunction with the Kentucky GQ mapping program. Status: C

LeGRAND, Harry E., U. S. Geological Survey, P. O. Box 2857, Raleigh, North Carolina, 27601

1. Distribution of pollution in water-table aquifers. Status: B

2. LeGRAND, Harry E.; STRINGFIELD, V. T. Hydrology of carbonate terranes. Status: B

3. LeGRAND, Harry E.; STRINGFIELD, V. T. Development and distribution of permeability in carbonate aquifers. Status: A

See also STRINGFIELD, V. T.

LEITH, C. J., North Carolina State University, Department of Geosciences, Raleigh, North Carolina, 27607

Environmental aspects of Beach processes, sediment, and erosion on North Carolina outer banks. Status: A

LEMMON, Robert E., University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514

1. Geochemistry of the Salisbury Pluton, Rowan County, North Carolina. Status: A

2. Geology of the Bat Cave and Fruitland quadrangles, North Carolina. Status: C

LEWIS, Robert M., North Carolina State University, Minerals Research Laboratory, 180 Coxe Avenue, Asheville, North Carolina, 28801

1. Beneficiation and evaluation of North Carolina mica schist. Status: A

2. Titanium resources of North Carolina. Status: B

LIPPS, Emma Lewis, Box 11, Shorter College, Rome, Georgia, 30161

1. Pleistocene fauna of Ladd Quarry, Barton County, Georgia. Status: B

2. Pleistocene fauna of caves in northwestern Georgia and adjacent Alabama and Tennessee. Status: C

3. Devonian fauna of Frog Mountain Sandstone, Rome, Georgia. Status: A

LIVINGSTONE, D. A., Duke University, Department of Zoology, Durham, North Carolina, 27706

Dynamics of tropical Pleistocene Ecosystems. Status: B

LONG, Leland Timothy, Georgia Institute of Technology, Geophysical Sciences, Atlanta, Georgia, 30332

1. A finite difference method applied to seismic wave propagation in vertically-inhomogeneous media and application to compressional seismic arrivals from the crust and upper mantle. Status: B

2. Bouguer gravity map of Georgia. Status: C

3. Seismicity and microearthquake activity in the southeast. Status: C

LOTZ, Charles W., West Virginia Geological and Economic Survey, Morgantown, West Virginia, 26505

Graphic analysis of West Virginia coal reserves and production. Status: D

LUCAS, Dennis R., Chevron Oil Company, Calif. Co. Div., 800 Calif. Co. Building, New Orleans, Louisiana, 70112

Ultra-long spaced electric log (ULSEL) interpretation techniques. Status: B

LUCKETT, M. A., Georgia Department of Mines, Mining and Geology, 19 Hunter Street, S. W., Atlanta, Georgia, 30334

1. County report of Stewart County, Georgia. Status: C

2. South Georgia drilling program. Status: B

LUFT, Stanley J., U. S. Geological Survey, 22 Commonwealth Ave., Ft. Mitchell, Kentucky, 41018

1. History of Lower Licking River system, Kentucky. Status: B

2. Ordovician stratigraphy, north-central Kentucky. Status: B

3. Mafic lavas, southwestern Nevada. Status: D

LUKERT, Michael T., Edinboro State College, Department of Earth Sciences, Edinboro, Virginia, 16412

Petrology and geochronology of the Madison area, Virginia. Status: A

LUDWICK, John C., Old Dominion University, Institute of Oceanography, Norfolk, Virginia, 23508

Dynamics of tidal sand waves. Status: C

LUTTON, Richard J., USA Engineer Waterways Experiment Station, P. O. Box 631, Vicksburg, Mississippi, 39180

1. Fractures and failure mechanics in loess. Status: B

2. Clay shale slopes along the Panama Canal. Status: B

LYNTS, George W.; JUDD, James B.; STEHMAN, Charles F., Duke University, Department of Geology, Durham, North Carolina, 27708

Biostratigraphy and paleoecology of deep-sea piston cores from deep entrenchments on the Bahamian Platform. Status: A

MACINTYRE, Ian G.; PILKEY, O. H.; UCHUPI, E., Smithsonian Institution, Division of Sedimentology, Washington, D. C., 20560

1. Shallow subsurface structures: shelf edge of the Continental margin between Cape Hatteras and Cape Fear, North Carolina. Status: A

2. MACINTYRE, Ian G.; BLACKWELDER, B. W. Origin of sandstones from the Shelf break off North Carolina. Status: B

3. MACINTYRE, Ian G.; PILKEY, O. H.; HERON, S. D. Geological mapping of the North Carolina Continental Shelf; Onslow Bay.

MADELEY, Hulon M., West Georgia College, Geology Department, Carrollton, Georgia, 30117

Petrology of the Tuscalloosa Sandstone. Status: B

MADISON, James A., DePauw University, Department of Geology and Geography, Greencastle, Indiana, 46135

1. Petrology and geochemistry of the Webster-Addie ultramafic body, Jackson County, North Carolina. Status: Completed

2. Petrographic, geochemical, and paleomagnetic investigation of ultramafic bodies in the older Appalachians. Status: A

3. Inexpensive petrographic microscope for the introductory geology laboratory. Status: B

MAJMUNDAR, H. H., Division of Mines and Geology, State of California, San Francisco, California, 94111

1. Occurrence of fluvial economic minerals in northwestern North Carolina. Status: D

2. Mineralogical and petrological investigations of the acid igneous rocks of North Carolina. Status: C

3. Investigations of some feldspars and wernerites of southeast Madagascar. Status: A

MANLEY, Frederick H., Georgia State University, Department of Geology, Atlanta, Georgia, 30334

1. Clay mineralogy of some Ordovician bentonites from the Chica - mauga supergroup, northwest Georgia. Status: A

2. Chlorite polytypism in the migmatitic Piedmont belt of northwest South Carolina. Status: B

3. Mineral geothermometry within the Brevard Zone of Alabama, Georgia, and northwest South Carolina. Status: Complete

MARSALIS, W. E., Georgia Department of Mines, Mining and Geology, 19 Hunter Street, S. W., Atlanta, Georgia, 30334

1. County report of Washington County, Georgia. Status: B

2. Sandersville limestone study. Status: B

3. Paleo-ecological study of Chatham County, Georgia wells. Status: B

4. Georgia Coastal Plain type locality publication. Status: B

MARTIN, A. C., Georgia Department of Mines, Mining and Geology, 19 Hunter Street, S. W., Atlanta, Georgia, 30334

1. County report of Bibb County, Georgia. Status: B

2. Georgia Coastal Plain well sample preparation. Status: B

MASTERS, Bruce A., Hartwick College, Oneonta, New York, 13820

Stratigraphy and planktonic Foraminifera of the Selma Group Alabama. Status: A

MAUGHAN, Edwin K., U. S. Geological Survey, P. O. Box 369, Middlesborough, Kentucky, 40965

1. Geologic map of Roxana quadrangle, Letcher and Harlan Counties, Kentucky. Status: A

2. Geologic map of Kayjay and Fork Ridge quadrangles, Bell County, Kentucky. Status: B

3. Mississippian and Pennsylvanian stratigraphy along Pine Mountain, southeastern Kentucky. Status: B

4. Geologic map of Frakes and Eagan quadrangles, southeastern Kentucky. Status: C

MCGRAIN, Preston, University of Kentucky, Kentucky Geological Survey, Lexington, Kentucky, 40506

1. Economic geology of Marshall County, Kentucky. Status: A

2. MCGRAIN, Preston; SCHWALB, Howard R.; SMITH, Gilbert E. Economic geology of Hancock County, Kentucky. Status: A

3. MCGRAIN, Preston; SUTTON, Donald G. Economic geology of Warren County, Kentucky. Status: C

MEISBURGER, Edward P., Department of the Army, Coastal Engineering Research Center, 5201 Little Falls Road, N. W., Washington, D. C., 20016

1. Geomorphology and sediment characteristics Chesapeake Bay entrance. Status: B

2. MEISBURGER, Edward P.; DUANE, David B. Geomorphology and sediment characteristics of the nearshore Continental Shelf, Palm Beach to Cape Kennedy, Florida. Status: A

3. MEISBURGER, Edward P.; FIELD, Michael E.; DUANE, David B. Geomorphology and sediment characteristics of the nearshore Continental Shelf, Cape Kennedy to Fernandina Beach, Florida. Status: B

4. MEISBURGER, Edward P.; FIELD, Michael E.; DUANE, David B. Shallow structure, stratigraphy and sedimentology of the Florida Atlantic Inner Continental Shelf. Status: B

5. MEISBURGER, Edward P.; DUANE, David B.; FIELD, Michael E. Geomorphology and sediment characteristics Inner Continental Shelf Delmarva Peninsula. Status: B

See also FIELD, Michael E.

MELLEN, Frederic F., Consulting Geologist, 1202 Standard Life Building, Jackson, Mississippi, 39201

Cretaceous Cirripeds of the eastern Gulf region. Status: A

MERRILL, G. F. See BUTLER, L. W.

MILLER, John C., University of Delaware, Delaware Geological Survey, Newark, Delaware, 19711

1. Groundwater resources of the Sussex County seashores, Delaware. Status: B

2. Groundwater resources of the Delaware Piedmont (hydrogeology of fractured rocks). Status: C

3. Nitrates in the Pleistocene aquifers of Delaware. Status: C

4. Iron distribution in the water table aquifers of Delaware. Status: C

MINARD, James P., U. S. Geological Survey, Building 10, Washington, D. C., 20242

Southeast Appalachians sediments. Status: B

MISSISSIPPI GEOLOGICAL SURVEY, P. O. Box 4915, Jackson, Mississippi, 39216

1. Rankin County geology and mineral resources. Status: A

2. Mississippi mineral resources. Status: A

MITCHELL, Richard S., University of Virginia, Lewis Brooks Museum, Charlottesville, Virginia, 22903

X-ray diffraction study of heat-treated opals and related substances. Status: C

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

1. Southern reef tract comparative sedimentology - Southern Keys, Florida. Status: A

2. Water geochemistry and sediment diagenesis - Florida Bay. Status: A

MOORE, David Warren, University of Illinois, Department of Geology, Urbana, Illinois, 61803

Relict erosional-depositional surfaces near the Fall Line in North Carolina. Status: B

MORTON, Robert A., West Virginia University, Department of Geology, Morgantown, West Virginia, 26506

1. Clay mineral analysis of recent sediments. Status: B

2. Model studies of deltas. Status: C

MUNYAN, A. C.; VOGELSAND, W. H., Old Dominion University, Norfolk, Virginia, 23508

Physical environmental geology of Richmond, Virginia, quadrangle. Status: B

MURRAY, J. B., Georgia Department of Mines, Mining and Geology, 19 Hunter Street, S. W., Atlanta, Georgia, 30334

1. County report of Forsyth County, Georgia. Status: B
2. Compilation of a new state geologic map. Status: B
3. Geologic map of N. W. Georgia. Status: B
4. Correlation chart of the rocks in northwest Georgia. Status: C

NAJJAR, Ismael, Colorado School of Mines, Department of Geology, Golden, Colorado, 80401

Geohydrology of the Chattanooga limestone, Limestone and Madison Counties, Alabama. Status: C

NEAL, J. Philip, North Carolina State University, Minerals Research Laboratory, 180 Coxe Avenue, Asheville, North Carolina, 28801

1. North Carolina feldspar evaluation. Status: A

NEAL, William J., Georgia Southern College, Department of Geology, Statesboro, Georgia, 30458

1. Sedimentology of carbonate turbidities in the St-Roch Formation, Quebec. Status: B
2. Source area variability in heavy-mineral suites (Georgia). Status: B
3. Sedimentology of deep-sea sediments from the Cayman Trough, Caribbean Sea. Status: C

NEATHERY, Thornton L., Geological Survey of Alabama, Department of Geology, P. O. Drawer O, University, Alabama, 35486

1. Piedmont mapping program-mapping entire Piedmont area of Alabama. Status: B

2. Geology and structure of the Jacksons Gap Group, Tallapoosa County, Alabama. Status: B

3. NEATHERY, Thornton L.; BENTLEY, R. D. Brevard Fault Zone through Alabama. Status: A

4. NEATHERY, Thornton L.; BENTLEY, W. D.; LINES, Gregory C. Wetumpka-Impact structure. Status: A

NORDSTROM, Alena, Duke University, Department of Zoology, Durham, North Carolina, 27706

Pleistocene macrofossils of the North Carolina Coastal Plain. Status: C

ODOM, A. Leroy, University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514

1. Isotopic investigation of Brevard Zone mylonites:implications on the time of movement along the Brevard. Status: A

2. Search for the "Pre-Grenville" crust of the southern Appalachians. Status: B

3. Rb-Sr geochronology of igneous and metamorphic events in the Blue Ridge of North Carolina and Tennessee. Status: B

4. Comparison of the systems Rb^{87}-Sr^{87} and U^{238}-U^{235}-P^{206}-Pb^{207} in an area of complex thermal activity, Blue Ridge Mountains. Status: C

OLESON, S. Melodie, Southwest Florida Water Management District, P. O. Box 103, Odessa, Florida, 33556

Hydrogeology of the southwest Florida water management district. Status: C

OTVOS, Ervin G., Louisiana State University, Earth Science Department, New Orleans, Louisiana, 70005

1. Late Pleistocene stratigraphy-sedimentation, Florida Parishes, southeastern Louisiana. Status: B

2. Pleistocene geology of the Mississippi Gulf Coast. Status: B

3. Barrior Island sedimentation, north-central Gulf Coast. Status: D

4. OTVOS, Ervin G.; SNOWDEN, J. O., Jr. Recent estuarine sedimentation, Mississippi-SE Louisiana Gulf Coast. Status: B

OWEN, Roy W., Auburn University, Department of Geology, Auburn, Alabama, 36830

Description of strata associated with petrified wood deposits, Macon County, Alabama. Status: B

PAINE, W. R., University of Southern Louisiana, 118 Edison Avenue, Lafayette, Louisiana, 70501

1. Petrology and sedimentation of Hoekberry sediment of southwestern Louisiana. Status: B

2. PAINE, W. R.; MEYERHOFF, A. A. Stratigraphy and sedimentation of Lower Frio. Status: A

PARK, Byong Kwon, University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514

Mineralogy of modern sediments along the North Carolina coast related to environments of deposition. Status: C

PARKS, William S., U. S. Geological Survey, Water Resources Division, Room 830 Federal Office Building, Memphis, Tennessee, 38103

Geologic mapping of the Paleocene and lower part of the Eocene in western Tennessee. Status: B

PARSLEY, Ronald L., Tulane University, Department of Geology, New Orleans, Louisiana, 70118

1. Restudy of the Belemnocrystitidae. Status: B

2. PARSLEY, Ronald L.; MINTZ, L., Monograph of North American Paracrinoidea. Status: B

3. PARSLEY, Ronald L.; CASTER, K. E., Restudy of the Ordovician Mitrata of North America. Status: B

PASLIDES, Louis, U. S. Geological Survey, Geologic Branch, Agriculture Research Center, Beltsville, Maryland, 20705

Northeast Virginia - outer Piedmont between Triassic and Coastal Plain. Status: B

PATTERSON, O. F., III. See GAFFNEY, Eugene S.

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

Attapulgus Fuller's Earth, Georgia-Florida. Status: A

PATTON, Thomas H., University of Florida, Florida State Museum, Gainesville, Florida, 32601

1. Mid-Tertiary vertebrate faunas from Florida. Status: B

2. Tertiary zoogeography of Gulf Coastal Plain. Status: B

3. An Oligocene land mammal fauna from Florida. Status: A

4. Vertebrate paleoecology of the Gulf Coastal Plain. Status: B

PAUGH, John, Agrico Chemical Company, 213 Westover, Lakeland, Florida, 33803

Hawthorne Formation - general geology and ecomomic characteristics. Status: B

PAULSON, Oscar L., Jr., University of Southern Mississippi, Box 174, Hattiesburg, Mississippi, 39401

1. Depositional environments of Eocene Wilcox oil-producing sands of Louisiana and Mississippi. Status: B

2. Cenozoic vertebrate paleontology and the pre-history of Mississippi. Status: C

PAYNE, J. Norman, U. S. Geological Survey, 6554 Florida Blvd., Baton Rouge, Louisiana, 70806

1. Geohydrology of the Cane River Formation or equivalents in Arkansas, Louisiana, Mississippi, and Texas. Status: A

2. Geohydrology of the Carrizo and Meridian Sands in Arkansas, Louisiana, Mississippi, and Texas. Status: C

PAYNE, Myron W., University of South Carolina, Department of Geology, Columbia, South Carolina, 29208

Sediment of the Santee Delta of South Carolina. Status: A

PERHAC, Ralph M., University of Tennessee, Department of Geology, Knoxville, Tennessee, 37919

1. Ultracentrifuge treatment of water and hydrogeochemical prospecting. Status: D

2. Geochemistry of Knox Group. Status: C

3. Geochemistry of dolomites in zinc districts. Status: C

4. Geology and mineral deposits, Gallinas Mountains, New Mexico. Status: A

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

1. Geologic role of microboring marine organisms. Status: B

2. Middle Devonian tidal-flat complex from southeastern Indiana. Status: A

3. PERKINS, Ronald D.; HALSEY, S. D. Organic erosion of Carolina Shelf sediments. Status: A

4. PERKINS, Ronald D.; MONRAD, J. R. Sawgrass silica in the Florida Everglades. Status: B

PERRY, William J., Jr., U. S. Geological Survey, 3232 Old Miss Drive, Kenner, Louisiana, 70062

Structural development of Nittany anticlinorium, Pendleton County, West Virginia. Status: A

PETER, George, ESSA Atlantic Oceanographic and Meteorological Labs, 901 S. Miami Avenue, Miami, Florida, 33130

Geological structure of the Venezuelan Shelf between Blanquilla and Orchilla Islands. Status: B

PETERSEN, Richard R., Duke University, Department of Zoology, Durham, North Carolina, 27706

Paleolimnology of Lake Erie. Status: B

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

1. The Borden Formation (Mississippian) in the subsurface of southeastern Kentucky. Status: D
2. St. Louis-Ste. Genevieve relationships in northeastern Kentucky. Status: A
3. Geologic map of the Soldier quadrangle in northeastern Kentucky. Status: B
4. Geologic map of the Cranston quadrangle in northeastern Kentucky. Status: B

PICKERING, S. M., Georgia Department of Mines, Mining and Geology, 19 Hunter Street, S. W., Atlanta, Georgia, 30334

1. County report of Decatur County, Georgia. Status: B
2. Geologic map and geo-chemical analysis of Soapstone Ridge Ultra Mafic. Status: B
3. Geologic map of Clayton County, Georgia. Status: B
4. Study of the offshore extension of the Miocene phosphate in Chatham County, Georgia. Status: B

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

1. Geology of the Chesapeake and Delaware Canal area, Delaware. Status: A

2. Clay resources of Delaware. Status: B

3. Ophiomorpha and associated fossil burrows of the Atlantic Coastal Plain. Status: B

4. Tertiary geology of the Middletown - Odessa area of Delaware. Status: C

5. Subsurface mapping of Coastal Plain units in Delaware. Status: B

PILKEY, Orvin H., Duke University, Department of Geology, Box 6665, College Station, Durham, North Carolina, 27708

1. Sedimentation in Columbus Basin, Bahamas. Status: A

2. Sedimentation on the Carolina Continental Rise. Status: B

3. Sedimentation processes on the Carolina Shelf. Status: B

See also FIELD, Michael E., and MACINTYRE, Ian C.

POAG, C. Wylie, Chevron Oil Company, 7104 Asher Street, Metaixie, Louisiana, 70003

1. Ostracodes and planktonic Foraminifera of the Chickasawhay Formation, Alabama and Mississippi. Status: B

2. Planktonic Foraminifera from Leg XI of the Deep Sea Drilling Project. Status: B

3. Morphology of Vasiglobulina alabameusis (Foraminiferida). Status: A

POWER, W. R., Georgia State University, Department of Geology, Atlanta, Georgia.

1. Petrology and petrography within the Brevard Zone of Alabama, Georgia, and northwest South Carolina. Status: A

2. Petrology and petrography of the Murphy marble belt, Georgia. Status: B

PRATT, Richard, Virginia Polytechnical Institute, Department of Geology, Blacksburg, Virginia, 24061

Lithology of rocks from the Blake Plateau. Status: B

PRIVETT, Donald R., Catawba College, Department of Geology, Salisbury, North Carolina, 29144

1. Petrography and structural significance of kyanite-sillimanite-muscovite quartzite, Rowan County, North Carolina. Status: A

2. Geology and mineral resources of Rowan County, North Carolina. Status: B

3. Granite-diorite contact metasomatism Woodleaf Quarry, Rowan County, North Carolina. Status: B

PURDY, Robert W., Smithsonian Institution, Division of Vertebrate Paleontology, Washington, D. C.

The Miocene shark fauna of Maryland and Virginia. Status: B

PURI, Harbans S., Bureau of Geology, Department of Natural Resources, P. O. Drawer 631, Tallahassee, Florida, 32302

1. Effect of bacteria on deposition of lime muds in the Gulf-Carribean region. Status: B

2. Use of normal pores in the phylogeny of Ostracoda. Status: A

3. Stratigraphy and paleoecology of the late Ceneozoic beds in south Florida. Status: B

4. Study of the Challenger Ostracoda. Status: B

5. Geohydrology of Cross Florida Barge Canal. Status: A

PYLE, Thomas, University of South Florida, Marine Science Institute, 830 First Street, South, St. Petersburg, Florida, 33701

1. Air gun seismic profiles in Straits of Florida. Status: B

2. Magnetics and gravity, West Florida Shelf and Straits of Florida. Status: B

3. Bottom photography West Florida Shelf. Status: C

RADCLIFFE, Dennis, University of Georgia, Department of Geology, Athens, Georgia, 30601

1. Electron probe microanalysis of silicates, oxides, and sulfides, Status: B

2. Thermal history of unmetamorphosed plutonic rocks of the Georgia Piedmont. Status: B

3. Transition metal arsenide minerals. Status: A

RANDAZZO, Anthony F., University of Florida, Department of Geology, Gainesville, Florida, 32601

1. Petrography of the Ocala Limestone and related Tertiary rocks. Status: B

2. Structural evolution of the Carolina Slate Belt. Status: B

3. Petrography of Tertiary carbonate rocks of central America. Status: C

REESMAN, A. L., Vanderbilt University, Department of Geology, Nashville, Tennessee, 37203

1. Geochemistry of natural waters of central Tennessee. Status: B

2. Aqueous dissolution of rock-forming mineral. Status: B

REPPERT, Robert S., West Virginia Geological and Economic Survey, Morgantown, West Virginia, 26505

1. Geology of the Morgantown North quadrangle. Status: A

2. Geology of the Morgantown South quadrangle. Status: A

3. Geology of the Lake Lynn quadrangle. Status: B

4. Geology of the Masontown quadrangle. Status: B

5. Detailed mapping of coal producing areas in four counties. Status: C

6. Geology of the Coopers Rock State Forest and Mont Chateau State Park, West Virginia. Status: B

REUTER, J. H., Georgia Institute of Technology, School of Geophysical Sciences, Atlanta, Georgia, 30332

1. Chemical characterization of organic matter in river waters. Status: B

2. Determination of stability constants of complexes of river water organic matter with heavy metals. Status: B

3. Changes of river organic matter during migration through freshwater-saltwater interface. Status: C

REVES, William D., New York and Honduras Rosario Mining Company, Rock Products Division, 855 SE 22d Street, Ocala, Florida, 32170

1. Subsurface Florida karst features. Status: B

2. Interior structure granite gneiss dome. Status: B

3. Some unusual Florida surficial karst features. Status: B

REYNOLDS, William R., University of Mississippi, Department of Geology and Geological Engineering, University, Mississippi, 38677

1. Origin of Smith County, Mississippi bentonites. Status: A

2. Mineral and elemental variations in the Porters Creek clay of Mississippi. Status: B

3. Petrology and geochemistry of Tertiary and Cretaceous Gulf Coastal clays. Status: C

4. Petrology of southeastern bauxites. Status: C

RHYMES, James H., Amerada Hess Corporation, AMFICADA Division, P. O. Box 51754 OCS, Lafayette, Louisiana, 70501

Southeast states geology. Status: B

RIBBE, P. H.; GIBBS, G. V., Virginia Polytechnic Institute, Department of Geological Sciences, Blacksburg, Virginia, 24061

The nature and variation of the Si-O bond: Studies of rock-forming silicates (feldspars, olivines, garnets, humites, amphiboles, zunyite, and others). Status: B

RIGGS, Karl A., Mississippi State University, Department of Geology and Geography, State College, Mississippi, 39762

Comprehensive classification of rocks. Status: B

ROBERTSON, Eugene C., U.S. Geological Survey, Geophysics Branch, Silver Spring, Maryland, 20910

Rock deformation. Status: B

RONA, P. A.; HARBISON, R. N., ESSA Atlantic Oceanographic and Meteorological Labs, 901 S. Miami Avenue, Miami, Florida,33130

ESSA Transatlantic geophysical traverse. Status: C

ROOT, Ribert W., Jr., 7215 Bybrook Lane, Chevy Chase, Maryland, 20015

1. Geothermal study of ground water movement. Status: A

2. Groundwater in the Middle Ordovician carbonates, Rockbridge County, Virginia. Status: A

ROVIK, John, Louisiana State University, Department of Geology, Baton Rouge, Louisiana, 70803

Bienville Parish project-on economic sand study of Bienville Parish, Louisiana, sands. Status: B

RUSSELL, Ernest, E., Mississippi State University, P. O. Box R, State College, Mississippi, 39762

1. Coccoliths in the Upper Cretaceous of Mississippi. Status: B

2. Cretaceous stratigraphy of Tennessee. Status: A

3. Facies in the Upper Cretaceous of Mississippi. Status: B

RUSSELL, Richard J., Coastal Studies Institute, Baton Rouge, Louisiana, 70803

1. Florida beaches and water-table rocks. Status: A

2. Beach-rock equivalents on the coast of Oregon. Status: B

SACHS, Jules B., Nicholls State College, Earth Science Department, Thibodaux, Louisiana, 70301

1. Calcareous nannofossils of the Aftonian Shale, Louisiana Continental Shelf. Status: A

2. Pliocene-Pleistocene calcareous nannofossils of the northern gulf coast. Status: B

3. Pleistocene stratigraphy of the Continental Shelf. Status: C

SAUCIER, Roger T., U. S. Army Engineer Waterways Experiment Station, Geology Branch, P.O. Box 631, Vicksburg, Mississippi, 39180

1. Indexed and annotated bibliography of Lower Mississippi Valley geology. Status: B

2. Mapping of alluvial environments of deposition, Boeuf and Tensas Basins, Louisiana. Status: A

3. Origin, configuration, and engineering characteristics of subsurface Pleistocene deposits, New Orleans area, Louisiana. Status: B

SCHWAB, Fred, Washington and Lee University, Department of Geology, Lexington, Virginia, 24450

1. Petrology, paleocurrents and depositional environments of the Harpers Formation, Central Appalachians. Status: A

2. Petrology, paleocurrents and depositional environments of the Unicoi Formation, Central Appalachians. Status: B

3. Paleocurrents in the Early Paleozoic carbonates, central Virginia. Status: C

SCHWALB, Howard, Kentucky Geological Survey, P.O. Box 653, Henderson, Kentucky, 42420

1. Devonian-Silurian subsurface stratigraphy of western Kentucky. Status: B

2. Occurrence of Chitinozoa in Kentucky. Status: C

3. Oil and gas pool map of western Kentucky. Status: A

SCOLARO, Reginald J., Radford College, Department of General Science, Radford, Virginia, 24141

1. Paleoecology or the Bryozoa from the Chipola Formation, Florida. Status: A

2. Note on the status of the genus Gemelliporella. Status: A

SCRUDATO, R. J., Marshall University, Geology Department, Huntington, West Virginia, 25701

1. Cretaceous-Tertiary boundary of south-central Georgia. Status: A

2. Origin of South Carolina and Georgia kaolin deposits. Status: A

3. Quaternary clay deposits of Savannah River near Augusta, Georgia. Status: B

4. Wavellite deposit of east-central Georgia. Status: B

ŠEBOR, Miloš M., Eastern Kentucky University, Graduate School, Richmond, Kentucky, 40475

Pleistocene ice front: Effects on the karstic cycle. Status: B

SEEGER, C. Ronald, Western Kentucky University, Department of Geography and Geology, Bowling Green, Kentucky, 42101

1. Gravity survey of College Hill. Status: A

2. Focal program to reduce gravity (and magnetic) survey data. Status: B

3. Preliminary study of the Muldraugh Dome with reference to origin. Status: C

4. A gravity survey of Middlesboro Basin is in planning. Status: D

5. A search for cryptoexplosion structures in Kentucky using aerial photographs. Status: B

SEIDERS, Victor M., U. S. Geological Survey, Agriculture Research Center, Bldg. 420, Beltsville, Maryland, 20705

1. Geology of the Occoquan quadrangle, Virginia. Status: B

2. Geology of the Asheboro quadrangle, North Carolina. Status: B

SEN GUPTA, Barun K., University of Georgia, Department of Geology, Athens, Georgia, 30601

Foraminiferal distribution in the Quaternary sediments of the Georgia continental shelf. Status: B

SHARP, W. E., University of South Carolina, Department of Geology, Columbia, South Carolina, 29208

1. An idealised set of river sampling sites for South Carolina. Status: C

2. Fibonucci drainage patterns. Status: B

3. Density of fluids at high temperatures and pressures. Status: B

SHAW, Charles E., Jr., Windham College, Department of Geology, Putney, Vermont, 05236

Structural relations in the Coosa Valley region, Alabama. Status: B

SHERIDAN, Robert E., University of Delaware, Department of Geology, Newark, Delaware, 19711

1. Geology of the Blake-Bahama escarpment. Status: B

2. Sedimentary and structural framework of Great Abaco canyon and extensions. Status: B

3. Tectonic history of the Blake-Bahama Basin. Status: B

SHERWOOD, W. Cullen, University of Virginia, Department of Environmental Sciences, Charlottesville, Virginia, 22903

1. Trace metals in natural waters. Status: C

2. Porosity and permeability of Virginia aggregates. Status: A

3. Bedrock weathering and residual soil formation in central Virginia. Status: A

SHIDELER, Gerald L., Old Dominion University, Department of Geophysical Sciences, Norfolk, Virginia, 23508

1. Genesis of the near shore modern sand prism on a Barrier Island-Spit-Headland Coast. Status: B

2. Ridge and swale topography of the Virginia Shelf: Relict Beach ridges or tide maintained bed forms. Status: B

3. Sub-bottom profiling of the Atlantic Shelf between Cape Henry, Virginia and Cape Hatteras, North Carolina. Status: B

4. Sedimentological study of the Miocene Calvert Cliffs section of Maryland. Status: B

SHOEMAKER, Robert E., Towson State College, Towson, Maryland, 21204

1. Pollen and spores of the Judith River Formation, central Montana. Status: A

2. Seeds of the Maryland cretaceous formations. Status: C

SIAPNO, William David, Star Route Box 133, Gloucester Point, Virginia, 23062

1. Deep sea exploration. Status: B

2. Deep sea mining. Status: B

3. Marine pollution. Status: B

4. Beach erosion. Status: B

SIMS, John D., U. S. Geological Survey, 1501 Broadway, Room 100, Paducah, Kentucky, 42001

1. Silt deposits of the Jackson Purchase Region, western Kentucky. Status: A

2. Sedimentary petrology of the Porfers Creek clay, Jackson Purchase, western Kentucky. Status: A

3. Authigenic kaolinite in sand of the Wilcox Formation, western Kentucky. Status: Completed

SINGH, Raman J., University of Tennessee, Department of Geology, Chattanooga, Tennessee, 37403

Ordovician Bryozoa from the central Basin in Tennessee. Status: C

SLIFER, Dennis, University of Maryland and Maryland Geological Survey, VFU-3F Norwich Road, College Park, Maryland, 20740

Maryland cave survey. Status: A

SNOWDEN, J. O., Jr., Louisiana State University, Department of Earth Sciences, New Orleans, Louisiana, 70122

1. Petrology of Lower Mississippi Valley loess. Status: A

2. Stratigraphy of loess, as determined by weathering intensity of clay minerals and radiocarbon dating. Status: B

3. Chemical water quality and sediment-interstitial water reactions in Louisiana and Mississippi estuaries. Status: C

4. Clay mineralogy, geochemistry, and sedimentary history of Pleistocene and Holocene sediments in coastal Louisiana and Mississippi. Status: C

See also OTVOS, E. G.

SPENCER, Edgar W., Washington and Lee University, Geology Department, Lexington, Virginia, 24450

Mapping and structural studies in the Buena Vista quadrangle 15" series, Virginia. Status: B

SPENCER, Randall S., Old Dominion University, Department of Geology, Norfolk, Virginia, 23508

1. Ground water quality and structural control-Hampton Roads area. Status: A

2. Pleistocene fauna of southeastern Virginia: Part I-micro. Status: A

3. Pleistocene fauna of southeastern Virginia: Part II-macro. Status: B

4. Pleistocene paleoecology and paleogeography of southeastern Virginia. Status: C

SPOLJARIC, Nenad, University of Delaware, Delaware Geological Survey, Newark, Delaware, 19711

Pleistocene sedimentology: Middletown-Odessa area, Delaware. Status: A

STANLEY, George D., Jr., University of Tennessee at Chattanooga, 1001 Lula Lake Road, Lookout Mountain, Tennessee, 37350

Biostratigraphic relationships and correlation of Ordovician Limestone in northeast Central Basin of Tennessee. Status: A

STEARNS, Richard G., Vanderbilt University, Geology Department, P. O. Box 1615, Station B., Nashville, Tennessee, 37203

1. Geohydrology of a small basin on the Highland Rim at Henryville, Lawrence County, Tennessee. Status: B

2. Gravity and magnetics of a part of north-central Tennessee. Status: A

3. Fractures related to shatter cones in the Wells Creek structure of Houston and Steward Counties, Tennessee. Status: D

4. STEARNS, Richard G.; WILSON, C. W., Jr. Structure of Ordovician and Mississippian in central Tennessee. Status: B

STEHMAN, Charles F. See LYNTS, George W.

STENZEL, Henryk B., Louisiana State University, Department of Geology, Baton Rouge, Louisiana, 70803

1. "Oysters" PART N3 of Treatise on invertebrate paleontology. Status: A

2. Cretaceous oysters of Texas. Status: C

STEPHENSON, Richard A., University of Georgia, Department of Geography, Athens, Georgia, 30601

1. Areal association of land form elements in the Atlantic Coastal Plain Province. Status: C

2. Grain size analysis of river sediments. Status: C

3. Multidiscriminatory analysis of stream types in the Des Moines River Basin. Status: A

4. Multivariate analysis of flood frequencies in selected drainage basins of the southern Blue Ridge Mountains. Status: B

STOW, Stephen H., University of Alabama, Department of Geology, University, Alabama, 35486

1. Geochemistry of Piedmont metamorphic rocks. Status: C

2. Weathering of Pliocene Bone Valley phosphate. Status: A

STRINGFIELD, V. T.; LEGRAND, Harry E., U. S. Geological Survey, Washington, D. C., 20006

Hydrology of carbonate terranes. Status: B

See also LEGRAND, Harry E.

SUNDELIUS, Harold W., Wittenberg University, Department of Geology, 310 W. Harding Road, Springfield, Ohio, 45505

1. Geology of the Gold Hill quadrangle, North Carolina. Status: A

2. Geology of the Mount Pleasant quadrangle, North Carolina. Status: D

SUPKO, Peter R., University of Miami, Institute of Marine Science, 10 Rickenbacker Cswy, Miami, Florida, 33149

Petrologic and geochemical studies of subsurface Bahamian limestones and dolomites. Status: A

SUTTON, Thomas C., University of Tennessee, Department of Geology, Knoxville, Tennessee, 37906

The relationship between structure and regional metamorphism along the Blue Ridge Front, Polk and Bradley Counties, Tennessee. Status: B

SWIFT, Donald J. P., Old Dominion University, Institute of Oceanography, P. O. Box 6173, Norfolk, Virginia, 23508

1. Textural reconnaissance of the inner shelf, Cape Henry to Cape Hatteras. Status: A
2. Ridge and swale topography of the inner shelf, Cape Henry to Cape Hatteras. Status: A

TAYLOR, Alfred R., U.S. Geological Survey, P. O. Box 634, Somerset, Kentucky, 52401

Kentucky cooperative mapping project. Status: B

TELEKI, Paul G. See DUANE, David B.

TEXTORIS, Daniel A., University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514

1. Petrology of Castle Hayne and related carbonate aquifer beds, North Carolina. Status: B
2. Engineering properties of carbonates associated with a major unconformity, Wilmington, North Carolina. Status: A
3. Carbonate beach sand properties of the Caribbean. Status: A
4. Appalachian Basin carbonate genesis. Status: B
5. Petrology of Triassic calcareous tufa and chert near Durham, North Carolina. Status: A
6. Petrology of Devonian Tioga bentonite. Status: B

THAYER, Paul A., University of North Carolina at Wilmington, Department of Geology, Wilmington, North Carolina, 28401

1. Sandstone petrology of the Durham-Sanford-Wadesboro Triassic basins, North Carolina. Status: B

2. Gravity survey of Dan River and Davis County Triassic Basins, North Carolina. Status: A

3. Provenance, dispersal, and depositional environments of Dan River Group, North Carolina. Status: A

4. Petrology and diagenesis of the Castle Hayne aquifer system, New Bern, North Carolina. Status: B

THOMAS, William A., Queens College, Department of Geology, Flushing, New York, 11367

1. Mississippian stratigraphy of Alabama. Status: A

2. Paleozoic stratigraphy of Mississippi. Status: A

3. Pre-Mesozoic paleogeology of Alabama and Mississippi. Status: B

4. Petrology of sandstones in the Parkwood Formation, Alabama. Status: C

5. Petrology of sandstones in the Stanley and Jackfork Formations, Arkansas. Status: C

6. THOMAS, William A.; DRAHOVZAL, James A. Structural geology of the Coosa deformed belt, Alabama. Status: B

See also BEARCE, Denny N.

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

1. Sedimentologic investigations of clastic-carbonate transition in Upper Ordovician rocks of east Tennessee. Status: B

2. Geochemistry of red-drab color transition, Juniata and Sequatchie Formations, southern Appalachian Valley and Ridge. Status: B

THURBER, David. See COCH, Nicholas.

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

1. Solution geochemistry of the water of limestone terraines. Status: A

2. Computer modeling of limestone groundwater systems. Status: C

3. Statistical studies of limestone aquifers. Status: B

4. Carbonate mineralogy of limestone cave deposits. Status: D

TILDEN, Jean E., North Carolina State University, Department of Geosciences, Raleigh, North Carolina, 27607

1. Distribution of trace elements among coexisting sulfide mineral phases from selected deposits in southeastern United States. Status: A

2. Study of garnets associated with sulfide deposits. Status: C

TRACE, Robert D., U. S. Geological Survey, Department of Geology, 208 South Darby Street, Princeton, Kentucky, 42445

Geologic mapping in part of western Kentucky. Status: B

TURNER, Philip A., Department of the Army, Coastal Engineering Research Center, 5201 Little Falls Road, N. W., Washington, D. C., 20016

Comparison of sediment parameters between a model and a prototype beach, Fernandina Beach, Florida. Status: A

UCHUPI, E., See MACINTYRE, Ian G.

UPCHURCH, Michael Lee, University of North Carolina, Department of Geology, Box 24, Mitchell Hall, Chapel Hill, North Carolina, 27514

Petrologic and paleoenvironmental study of the Eocene Castle Hayne limestone in northern New Hanover County, North Carolina. Status: C

U.S. ARMY ENGINEER DISTRICT, Wilmington Federal Building, P.O. Box 1890, Wilmington, North Carolina, 28401

Radioisotopic sand tracer study, Masonboro Inlet, North Carolina. Status: C

VARNEDOE, William W., Jr., See JONES, Walter B.

VISHER, Glenn S., University of Tulsa, Department of Earth Science, Tulsa, Oklahoma, 74104

Process-response model of the Altamaha River estuary. Status: B

VOGELSANG, W. H. See MUNYAN, A. C.

VOGT, P. R. See ANDERSON, Charles N.

WAGENER, H. D., The Citadel Station, Charleston, South Carolina, 29409

1. Petrology of the Winnsboro, South Carolina, granites, adamellites and metamorphic rocks. Status: A

2. Beach erosion in the Charleston Harbor area. Status: A

3. The monumental and building stone industries in South Carolina, (a field project). Status: C

WAHL, F. Michael, University of Florida, Department of Geology, Gainesville, Florida, 32601

1. Element concentration through weathering processes. Status: C

2. Mineralogical alteration and potential uses of phosphate slimes. Status: C

3. Mineralogy and composition of Florida clay deposits. Status: C

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

1. K-Ar age determination of post-orogenic igneous rocks in the southern Appalachians. Status: C

2. Uranium-lead isotopic studies of rocks of the southern Appalachians. Status: C

3. K-Ar age determination of igneous and metamorphic rocks from the Piedmont of Alabama [part of a larger study by R. B. Bentley and the Geological Survey of Alabama.] Status: A

4. WAMPLER, J. M.; THE GEORGIA DEPARTMENT OF MINES, MINING, AND GEOLOGY. Age dating of rocks to assist in understanding the geologic history of the Georgia Piedmont area. Status: B

WARRINGTON, Alma Christine, Memphis State University, Department of Geology, Memphis, Tennessee, 38128

The Foraminifera of the Bashi Marl (Lower Eocene) of southern Mississippi and Alabama. Status: A

WATKINS, Joel S., University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514

1. Gravity investigation of the Brevard zone in northwest North Carolina. Status: A

2. Analysis of the Piedmont gravity gradient in central North Carolina. Status: A

3. Correlation of earthquake distribution with free air gravity anomalies in the southeastern United States. Status: B

WEAVER, Charles E., Georgia Tech, School of Geophysical Sciences, Atlanta, Georgia, 30332

1. Origin Miocene clays of S.E. Status: B

2. Geochemistry of phosphate. Status: B

3. Geochemistry of marsh muds. Status: C

4. Benefication of kaolin. Status: B

5. K-Ar dating of sediments. Status: B

6. Petrology and geochemistry of Miocene. Status: B

7. Origin of phosphorites. Status: B

8. Natural clay-water chemistry. Status: B

WEBB, Fred, Jr., Appalachian State University, Department of Geography and Geology, Boone, North Carolina, 28607

1. Stratigraphy of the Longview Formation in Smyth and Washington Counties, Virginia. Status: B

2. Middle Ordovician paleocurrents in Smyth and Washington Counties, Virginia. Status: C

WEEKS, L. A.; LATTIMORE, R. K.; BASSINGER, B. G., ESSA Atlantic Oceanographic and Meteorological Labs, 901 S. Miami Avenue, Miami, Florida, 33130

1. Caribbean-Lesser Antilles project. Status: B

WEEMS, Robert E., Virginia Polytechnic Institute, Department of Geology, Blacksburg, Virginia, 23005

1. Sea turtles of the Calvert Formation. Status: A

2. Development of the Taylorsville Basin (Triassic). Status: C

WEIGAND, Peter W., University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514

1. Structural control of metasomatism in the Carolina Slate Belt. Status: A

2. Major and trace element geochemistry of the eastern North American Mesozoic dolerite dikes. Status: A

See also JUSTUS, Philip S.

WEISBORD, N. E., Florida State University, Department of Geology, Tallahassee, Florida, 32306

1. Some corals from the Chipola Formation, Florida. Status: B

2. Some corals from the Jackson Bluff Formation, Florida. Status: B

3. A new species of the barnacle Creusis from the Neogene of Florida. Status: A

WELBY, Charles W., North Carolina State University, Department of Geosciences, Raleigh, North Carolina, 27607

1. Geophysical investigation bearing on the origin of the North Carolina capes and sounds. Status: B

2. Model and probability study of groundwater in crystalline rocks. Status: B

WHALEY, Peter W., Murray State University, Department of Chemistry and Geology, Murray, Kentucky

Fine-grained channel deposits in the deltaic rocks of eastern Kentucky. Status: B

WHITE, John S., Jr., Smithsonian Institution, Division of Mineralogy, Washington, D. C., 20560

Mineralogy of the Foote Mineral Company spodumene mine, Kings Mountain, North Carolina. Status: B

WHITE, Ken, Florida State University, Department of Oceanography, Tallahassee, Florida, 32306

1. Fager analysis of recurrent groups in a shoal grass community. Status: B

2. Bioturbation by polychaetes in shallow marine sediments. Status: C

3. Tube building and grain selectivity by polychates. Status: C

WHITLOW, Jesse W., U. S. Geological Survey, 1114 Marton Street, Laurel, Maryland, 20810

Heavy mineral reconnaissance in southwestern Piedmont, North Carolina. Status: B

WIEDEMANN, Hartmut U., University of Georgia, Department of Geology, Athens, Georgia, 30601

1. Mobilization of iron in red beds, Upper Chickamauga Group and Sequatchie Formation near Chattanooga, Tennessee. Status: A

2. History of salt-marsh sediments, central Georgia coast, Sapelo Island. Status: B

WIENER, Leonard S., North Carolina State University, Minerals Research Laboratory, 180 Coxe Avenue, Asheville, North Carolina, 28801

1. Geologic map and mineral resources of the Leicester quadrangle, North Carolina. Status: A

2. Geology along the Great Smoky fault, Monroe County, Tennessee. Status: A

3. Soapstone resources of North Carolina. Status: B

4. Titanium resources of North Carolina. Status: B

WIGLEY, Perry, Eastern Kentucky University, Department of Geology, Richmond, Kentucky, 40475

1. Marmor and Ashby conodonts of the Appalachian Mountains, Virginia. Status: A

2. Conodonts of the Boyle Formation in central Kentucky. Status: C

3. Q-made cluster analysis of species of the genus Platystrophia. Status: B

4. Primary sedimentary structures in the Devonian age rocks of Kentucky. Status: B

WILBANKS, J. C., Georgia Department of Mines, Mining and Geology, 19 Hunter Street, S.W., Atlanta, Georgia, 30334

County report of Tift County, Georgia. Status: B

WILSON, Augustus O., University of North Carolina, Department of Geology, Chapel Hill, North Carolina, 27514

1. Petrogenesis of parts of the Middle Ordovician Chickamauga Limestone, northeastern Alabama. Status: B

2. WILSON, Augustus O.; BARRETT, Peter; SMITH, Donald; PATRIQUIN, David. Geologic aspects of Bermuda Lagoon Reefs. Status: A

WILSON, Charles W., Jr., Vanderbilt University, P. O. Box 1591, Station B, Nashville, Tennessee, 37203

1. Geologic mapping of central Tennessee. Status: A

2. Structure of central Tennessee. Status: B

WOLOSHIN, Aaron J., Geonautics/Computer Sciences Corporation, 803 W. Broad Street, Falls Church, Virginia, 22046

1. Evaluation and comparison of terrain classification methods. Status: D

2. Geoenvironmental factors, their description, classification and use in urban planning. Status: B

3. Earth resources survey applications from space. Status: B

WOOD, William H., University of Southwestern Louisiana, Oil Center Station, Box 52126, Lafayette, Louisiana, 70501

Transport of wind-blown sand. Status: B

WOODFORK, Larry D., West Virginia Geological Survey, P. O. Box 879, Morgantown, West Virginia, 26505

1. Oil and gas developments in West Virginia. Status: A

2. 1970 oil and gas fields map of West Virginia. Status: A

3. Origin and evolution of some structures west of the Allegheny front in northern West Virginia. Status: C

4. Trend analysis of structures in the Allegheny Plateau in West Virginia. Status: D

SUBJECT INDEX