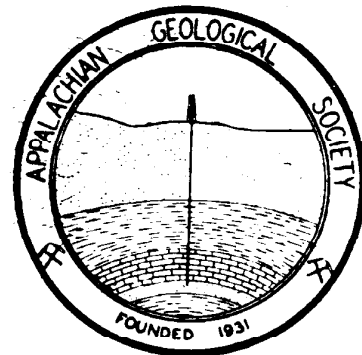
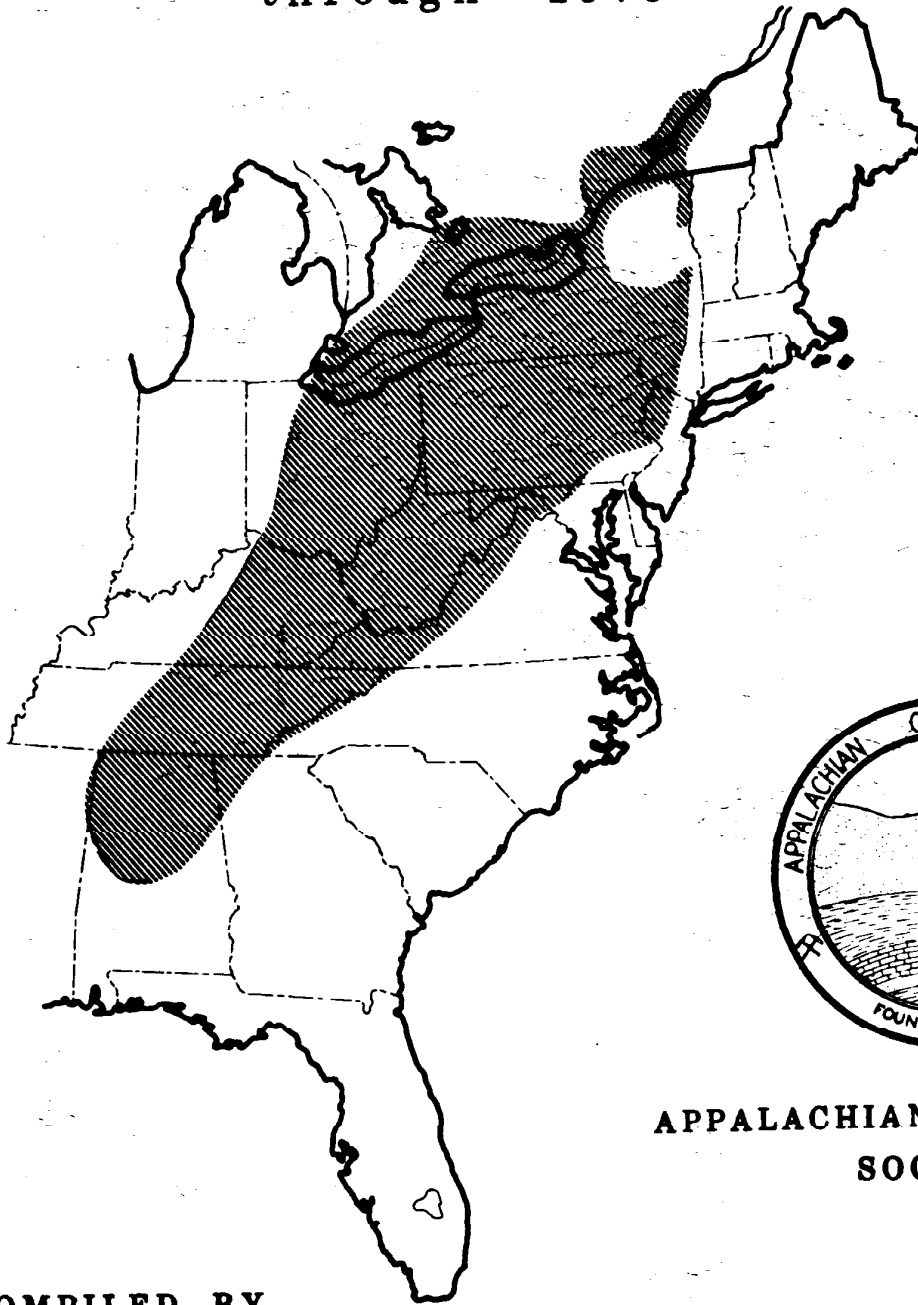


BIBLIOGRAPHIC INDEX of
APPALACHIAN BASIN
THESES and DISSERTATIONS

through 1975



APPALACHIAN GEOLOGICAL
SOCIETY

COMPILED BY
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PREFACE

Theses and dissertations have contributed importantly in developing geologic understanding of the Appalachian basin area, starting with the Ph. D. dissertation by H. J. Rice in 1881 at Syracuse University. Numbers of student researchers have increased markedly in recent years, as part of the preparation for increased numbers of professional geologists. Several undergraduate colleges located in the Appalachian basin also have a continuing program of honors theses, senior papers, or group projects which are on permanent file in departmental or college libraries. These undergraduate papers are usually quite limited in scope, but many contain valuable data not available elsewhere.

Unfortunately, less than half of these academic studies done during student days are ever published, so much of the geologic information is difficult to locate. It is the aim of the present bibliographic index to facilitate access to these documents. There are 3,091 listings from a total of 108 schools in the United States and 9 in Canada.

Every college and university offering graduate studies in the United States and Canada in 1976 was contacted to provide a listing of all geosciences theses and dissertations through 1975. In addition, most undergraduate schools located within the Appalachian basin were contacted for listings of geology honors papers and senior theses.

These listings were then searched for entries pertaining to all aspects of the geosciences in the geographic area of the Appalachian basin, as portrayed on the cover of this publication. The geology near the crest of the Nashville dome, Cincinnati arch, and Algonquin arch is included. The Adirondack Mountains are excluded, except for the area directly bordering the Paleozoic rocks. The Taconic orogenic belt and the Hudson Highlands are excluded, as well as the area east of the Blue Ridge anticlinorium. The Triassic basins in Pennsylvania are bounded on the east by Paleozoic strata (now metamorphosed), so the Triassic basin of Pennsylvania is included. The Triassic basins in New York, New Jersey, Maryland, and Virginia are excluded. The rocks of the Great Smokies are included in Tennessee, North Carolina, and Georgia where they involve Late Precambrian metasediments. The igneous rocks which occur in the Appalachian basin are included, as well as the few studies which pertain to the crystalline basement beneath the strata of the present Appalachian basin. The northeast extent of the Appalachian basin is difficult to establish. The Frontenac axis is probably a post-Paleozoic arching, so the area with Paleozoic rocks northeast of the Taconic belt is included to Montreal, beyond which the Taconic Front occurs beneath the Gulf of St. Lawrence.

Many people assisted in the preparation of this volume. Various compilation and editing tasks were aided by Annette Wise, Janet Diecchio, Sondra Dennison, and John R. Dennison. Typing was done by Trudy Webb and Derin Laughter. I especially appreciate the cooperation from geologists at the various schools, both for supplying the initial lists and for answering detailed correspondence to facilitate proper indexing. Bruce Byrd patiently handled printing arrangements for the Appalachian Geological Society and offered advice on numerous editorial questions as the complexity and size of this reference increased.

The academic aspect of geology is more than a training ground. Important geologic information and ideas develop in the colleges and universities. I hope that the results of several thousand man-years of student efforts will now be more readily accessible to all geoscientists working in the Appalachian basin region.

The enclosed bibliographic index of theses and dissertations is complete through 1975, to the best of my ability. I welcome communications of additions and corrections to this listing.

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The Appalachian Geological Society is pleased to sponsor the publication of this important reference text. Dr. Dennison has compiled the most extensive listing possible of theses, dissertations, and papers that deal with the geology of the Appalachian Basin. It is our hope that through this publication, the vast amount of material that has been accumulated in this geological region will become more readily accessible to both professionals and students in the geoscience fields.

Bruce L. Byrd, Jr.
Editor
Appalachian Geological Society

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 217, Thompson

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38, Fary
 64, Izard
 75, Weiser
 98, Weidner
 116, Hopfinger
 162, Rieg
 168, Ahler
 183, Wilson, J. R.
 206, Latimer

Chromatography (see Chemical analysis methods, chromatography)

Clay mineralogy

12, Drostc
 13, Khawlie
 14, Nelson
 14, Towe
 21, Sanders
 21, Scott
 22, Diamond
 35, Schieck
 38, Bolger
 38, Fary
 42, Allen
 53, Grossman
 55, Kaufman
 64, Kaplowitz
 65, Meisen
 66, Rettke
 84, Bassarab
 84, Breuer
 85, Ettensohn
 96, Nietert
 97, Sun
 97, Thomas, H. F.
 134, Meyers
 138, Brown
 147, Bragonier
 149, Falla
 151, Holbrook
 153, Lithgow
 153, McCarl
 166, Hofmann
 166, Mahoney

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168, Ahler
 175, Kennedy
 185, White
 192, Meyertons
 204, Glagola
 206, Latimer
 217, Vemuri

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27, Henderson (1969)

33, Delmet

106, McKeon

113, Blackie

117, King

153, Meiser (1975)

169, Bryan

223, Sinclair

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78, Clark

Cone-in-cone (see Sedimentary structures, secondary structures)

Concretions (see Sedimentary structures, secondary structures)

Contact metamorphism (see Metamorphism, contact)

Cores (see Well-logging)

Correlation (see Stratigraphy)

Cross-beds (see Sedimentary structures, primary)

Crust

3, James
 11, Mathur
 21, Adams
 26, Sumartojo
 30, Harris
 32, Davis
 36, Willis

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Cuttings (see Well-logging)

Deltas (see Geomorphology, shore features)

Dikes (see Igneous rocks, intrusions)

Dolomite (see Sedimentary rocks, dolomite)

Drill holes (see Well-logging)

Drumlins (see Geomorphology, glacial features)

Dunes (see Geomorphology, eolian features)

Dynamic metamorphism (see Metamorphism, dynamic)

Earthquakes (see Seismology)

Economic geology (see Mineral deposits; see Mineral exploration)

Electrical logging (see Well-logging; see Geophysical methods, electrical)

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82, Huh

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70, Giardina
 115, Smith, N. W.
 214, Eivemark
 221, Martin
 221, Morey

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 General (continued)
 222, Scott
 222, Vandine
 Bridges
 220, Freeze
 221, McBean
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 210, Tucker
 Highway geology
 26, Young, J. L.
 50, Markham
 55, Mohammed
 55, Ozol
 115, Walker
 122, Redding
 128, Carr
 147, Bolling
 195, Crenshaw
 198, Spangler
 198, Wobb
 206, Luzier
 Landslides
 45, Sharpe
 87, Mase
 88, Rogers (1929)
 91, Gardner
 111, Uhrin
 114, Fanaff
 115, Picking
 115, Sowers
 158, Ackenheil
 164, Winters
 Mines
 3, Zink
 113, Bobba
 193, Stevens
 212, Mathieu
 Rock mechanics
 43, Fail (1964)
 43, Fail (1966)
 44, Karp
 78, Hayes
 186, Humston
 Soil mechanics
 97, Sun
 158, Ackenheil
 197, Plaster
 Tunnels
 50, Markham
 212, Mathieu
 213, Aylard
 213, Carlyle
 215, Squires
 Waste disposal
 67, Keller
 80, Quay
 101, Clifford
 110, Shaw
 110, Simpson
 114, Hedges
 148, Caruccio (1963)
 152, Lane, B. E.
 Water supply
 116, Minning
 117, Maxfield
 Environmental geology (listed
 under appropriate State or
 Province)
 Erosion surfaces (see Geo-
 morphology, erosion features)
 Faults (see Structural geology,
 faults)
 Fluid inclusions (see Inclu-
 sions, fluid)
- Folds (see Structural geology,
 folds)
 Foliation (see Structural
 geology, foliation)
 Fossils (see Paleontology)
- Gems (see Mineralogy)
 Geobotanical methods (see Min-
 eral exploration, geobotanical)
 Geochemical exploration (see
 Mineral exploration, geochem-
 ical)
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 analysis methods; see Mineral
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 chemistry)
 Geochronology
 Paleontologic (see Paleon-
 tology; see Stratigraphy)
 Radiometric
 41, Zaymore
 42, Abdel-Monem
 54, Spanglet
 79, Odum
 83, Lukert
 99, Baker
 162, Pimentel
 166, Hofmann
 166, Mahoney
 188, Davis
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 tures, secondary)
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 Cryptoexplosion features
 2, Roddy
 86, Galbraith
 88, Reidel
 88, Sappenfield
 112, Zahn
 117, Flaughter
 185, Woodruff
 Eolian features
 93, Coppinger
 223, Woodward
 Erosion features
 General
 16, Dinga
 16, Gardner
 16, Kelty
 16, Kilgore
 22, Haag
 38, Case
 44, Itter
 44, McJimsey
 46, Ver Steeg
 50, Kesselring
 52, Sweet
 52, Wold
 84, Alexander
 85, Collier
 86, Hester
 86, Kerr
 87, Lattman (1953)
 87, Lorenz
 131, Greene
 133, Lane
 148, Ciciarelli
 148, Clark
 154, O'Leary
 184, Eilender
 185, Smith
 186, Kodl
 187, Kane
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 Erosion features (continued)
 General (continued)
 189, Fiedler
 194, Ditty
 195, Farmer
 196, Johnston
 211, Young
 223, Memarian
 Erosion surfaces
 38, Case
 45, Smith
 46, Wright
 48, Fridley
 49, Johnston
 75, Street (1966)
 75, Tomikel
 122, Phythyon
 143, Bartlett
 200, Jones
 Talus
 133, Kochel
 146, Martin
 Terraces
 15, Kauffman
 31, Peltier
 79, Bain
 104, Jones
 114, Kantner
 198, Connolly
 Fluvial features
 15, Kauffman
 16, Gardner
 16, Kilgore
 22, Carney
 25, Short
 30, Brush
 31, Peltier
 42, Broscoe
 43, Happ
 44, Jacoby
 44, Miller, V. C.
 44, Morisawa
 46, Wright
 46, Brady
 48, Garrett
 52, Thorsen
 53, York
 56, Alling
 57, Dollen
 61, Surgenor
 62, Flint
 62, Kowall
 62, Redig
 65, Lenhardt
 67, Jagoda
 67, Winter
 69, Durham
 80, Keller, D. F.
 84, Alexander
 85, Cottrill
 86, Kalaitjis
 87, Middendorf
 90, Tritschler
 90, Vectorino
 92, Smith
 113, Current
 114, Kantner
 119, Bollenbacher
 119, Chedester
 120, Ellis
 120, France
 120, Harrison
 120, Hull
 121, Loeb
 121, Miller

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Fluvial features (con-
tinued)

122, Redding
122, Rehm
125, Smith
126, Namie
126, Hoffman
128, Cadwell
130, Dorsey
135, Seymour
136, Speidel
137, Bretsky
138, Carpenter
138, Caswell
138, Cavanaugh
139, Figuers
139, Francavillese
140, Kraybill
140, Leyden
141, Piper
142, Sies
142, Smith
142, Springer
143, Swanson
143, Wall
144, Burns
147, Adler
148, Bucek
150, Garihan
151, Hedberg
175, Koch
180, Schneider
185, Smith
186, Townsend
187, Kane
202, Wagner
202, Weill
207, Mitchell
223, Memarian
Frost action
156, Troutt
Glacial features
General
4, Holmes
12, Baker
14, Sittler (1957)
14, Totten
17, Cravenor
32, Connally
39, Fullerton
45, Peltier
45, Simpson
48, Erickson
48, Filmer (1928)
50, Knapp
50, Meili
50, Messinger
51, Noble
55, La Fleur
56, Whipple
56, Yatsevitch
57, Davis
57, Edwards
59, Neel
61, Suesse
61, Walters
61, Surgenor
62, Cadwell
62, Kirkland
63, Blackman
63, Cuthbert
63, Diana
65, Nork
66, Pryor
66, Sweeney

Geomorphology (continued)
Glacial features (con-
tinued)

General (continued)
66, Symecko
68, Gagliano
69, Coon
69, Eldridge
69, Eppler
70, Forster
71, Holmes, C. B.
71, Huck
72, Kaiser
72, Krall
74, Rice
74, Stewart, D. P.
75, Street (1966)
76, Wright
79, Staheli
81, Bugh
81, Bush
83, Scadden
83, Swanston
83, Focke
84, Branch
86, Hester
89, Teller
91, Metzler
92, Robinson
92, Schultz
93, Egler
94, Goldstein
97, Smith
97, Thomas, J. B.
100, Brown
101, Conley
102, Fisher
103, Forsyth
103, Foster
103, Gregory
104, Janssens (1964)
105, Kelly
106, McKeon
108, Quinn (1972)
108, Quinn (1974)
108, Reutinger
109, Rogers
109, Rosengreen
110, Schuster
110, Shaffer
110, Swick
111, Teller
112, White (1933)
113, Bossong
117, King
118, Armstrong
119, Berkebile
119, Dekay
120, Ellis
120, Harrison
120, Johe
121, Miller
123, Topp
126, Namie
138, Eisenbeis
140, Lewis
140, Leyden
140, Marshall
141, Parker, C.
141, Piper
143, Von Rhee
143, Barrell
147, Brinkley
148, Bucek
150, Gardner
153, Lifshutz

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Glacial features (con-
tinued)

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157, Wells
186, Kofl
213, Byers
217, Hurst
219, Carson
221, Martin
222, Vandine
Drumlins
74, Savage
79, Mills
194, Admiral
Eskers
58, Giles
217, Storey
Moraine
12, Droste
13, Gross
48, Forrester
51, Olsen
63, Barnes
63, Bart
67, Kirkland
70, Goldich
71, Huck
71, Kaiser
76, Healey
84, Breenc
94, Guccione
98, Watson
109, Rosen
119, Brooks
119, Bueger
119, Dekay
120, Howk
120, Johe
123, Willson
138, Ehly
142, Sies
223, Barnett
224, Cook
224, Gwyn
224, Knox
225, May
225, Vagners (1966)
225, Vagners (1970)
Outwash
48, Garrett
61, Tweksbury
71, Huck
72, Krall
72, Marks
89, Schaleman
90, Tucker
104, Jones
105, Kempton
113, Birkhimer
114, Kantner
134, Mavraganis
139, Elberti
216, Bourque
216, Costello
216, Eynon
221, Martin
221, Pedersen
Karst
1, Moravec
7, Stancoiff
21, Belter
23, Hamilton, D. K.
38, Deike
40, Thraikill
41, Werner

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 47, Carson
 57, Egemeier
 73, Phillips
 78, Krinitsky
 82, Ochsenbein
 112, White (1925)
 115, Nelson
 149, Ebaugh
 151, Hess
 158, Bender
 177, Moneymaker
 183, Wood, B. R.
 186, Holland
 189, Fiedler
 190, Hayman
 208, Sanders
 212, Peterson
 216, Coward
 217, Harmon
 217, Thompson
 Lacustrine features
 35, Ross
 50, Knapp
 60, Rubin
 63, D'Agostino
 63, Diana
 64, Gahnoog
 65, Ostrye
 69, Cohn (1974)
 69, Cucci
 69, Eggleston
 71, Hasser
 73, Perry and Brainerd
 76, Lewis
 82, Evans
 83, Scadden
 92, Wittine
 101, Christopher
 103, Goodman
 103, Gordon
 104, Humphris
 105, Kleinhampl
 107, Metter
 109, Richards
 109, Savoy
 111, Tinker
 115, Stonestreet
 116, Camp
 119, Clemens
 120, Hull
 121, Ochsenbein
 122, Smith
 138, Cromwell
 139, Eisenbeis
 164, Worley
 169, Bayer
 181, Smith, R. J.
 183, Worsley
 186, Townsend
 194, Robbins
 205, Hall
 210, Webster
 217, Pinch
 218, Watts
 219, Bowly
 221, Johnston, A. W.
 221, Johnston, L. M.
 Mass movements
 45, Sharpe
 87, Mase
 88, Rogers (1929)
 91, Gardner
 111, Uhrin
 114, Panaff

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Mass movements (continued)
 115, Picking
 115, Sowers
 133, Kochel
 146, Martin
 158, Ackenheil
 164, Winters
 180, Schneider
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 60, Rubin
 63, Diana
 64, Gahnoog
 65, Ostrye
 69, Cohn (1974)
 82, Evans
 83, Scadden
 101, Christopher
 103, Goodman
 103, Gordon
 104, Humphris
 105, Kleinhampl
 107, Metter
 109, Richards
 111, Tinker
 119, Clemens
 121, Ochsenbein
 122, Smith
 138, Cromwell
 183, Worsley
 194, Robbins
 217, Pinch
 218, Watts
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 Acoustical
 139, Flocks
 Earth Tides
 162, Pollack
 Electrical
 150, Cross, G. W.
 155, Ross
 218, Jobin
 220, Glenn
 Gravity
 31, Simmons
 33, Bussey
 59, Muller
 60, Ravetta
 67, Wilson
 99, Batsche
 112, Zahn
 117, Contrino
 117, Flaughner
 117, King
 144, Hershey
 147, Ackermann
 149, Duecker
 150, Chaffer-Adley
 151, Jarmell
 153, Miller
 155, Rankin
 157, Vosoff
 169, Bryan
 184, Mallory
 189, Francis
 201, Vierbuchen
 202, Byerly
 212, Moors
 222, Stevens
 225, McRath
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 223, Worsfold
 Magnetic
 79, Straley
 87, Miller

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Magnetic (continued)
 88, Sappenfield
 98, Ahern
 141, Phillips
 144, Kell
 149, Coleman
 155, Shank
 184, Ganster
 187, Carrier
 187, Hoover
 189, Francis
 211, Yost
 219, Benner
 219, Campbell, W. S.
 220, Cowie
 220, Halladay
 221, McBain
 Magnetotelluric
 17, Renick
 Paleomagnetic
 37, Rudd
 39, Phillips
 53, Mackey
 100, Careaga
 103, Greaney
 104, Hower
 106, Martin, D. L.
 Radioactivity
 149, Cook
 160, Kardos
 162, Payne
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 153, Licastro
 Remote sensing
 131, Greene
 Resistivity
 80, Quay
 97, Smith, E. M.
 100, Boster
 147, Ansari
 175, Krotzer
 207, McCollough
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 106, McKeon
 152, Kowalik
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 11, Mathur
 21, Adams
 30, Hart
 36, Willis
 70, Faltyn
 93, Egler
 106, Mayhew
 111, Tobin
 117, Contrino
 135, Seymour
 189, Edsall
 191, Kolich
 193, Wells
 212, Duberger
 218, Jobin
 221, McLean
 223, Binh
 224, Etiebet
 224, Curkhan
 225, Plaut
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 31, Roy
 31, Combs
 61, Urban
 97, Smith, E. M.
 113, Bobba
 149, Ebaugh
 192, Reiter
 213, Doig

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 224, Judge
 Georgia
 Areal geology
 3, Allen
 8, Callahan
 8, Clement
 8, Crawford
 9, Cribb
 9, Darling
 9, Dicus
 9, Moore, W. H.
 10, Pinson
 10, Reighard
 10, Smith, J. W.
 19, Traylor
 87, Munyan (1951)
 Mineral deposits
 Organic materials
 Lignite
 171, Darrell
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 179, Rife
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 General
 8, Clement
 9, Dicus
 10, Stuart
 Precambrian
 50, Mellen
 52, Webb
 87, Nuttall
 Cambrian
 10, Smith, W. L.
 10, Splavins
 Ordovician
 8, Buzarde
 8, Cappel
 9, Gould
 9, Ingram
 9, Jackson
 9, Moore, J. B.
 9, Murphy
 10, Sheridan
 10, Vest
 11, Wright
 190, Hergenroder (1966)
 Silurian
 7, Goldstein
 9, Lamb
 9, Mitchell
 10, Preston
 10, Sandlin
 10, Truxes
 Devonian
 10, Nunan
 13, Kiefer
 Mississippian
 9, Marquis
 9, Moore, W. H.
 10, Wheeler
 10, Windham
 11, McLemore
 16, Vail
 186, Broadhead
 Pennsylvanian
 8, Albritton
 10, Renshaw
 183, Wilson, R. L.
 Tertiary
 171, Darrell
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 8, Callahan
 9, Moore, J. B.
 10, Reighard
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 Structural geology (continued)
 10, Smith, J. W.
 10, Windham
 Geosynclines
 13, Fisher, R. A. B.
 164, Wikander
 220, Geldsetzer
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 Heat flow
 31, Roy
 31, Combs
 61, Urban
 192, Reiter
 213, Doig
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 General
 3, Spieker
 33, Chapman
 49, Grossman
 67, Keller
 81, Van Deventer
 90, Welsh
 91, Carothers
 91, Mezga
 98, Allong
 104, Hayes
 109, Schultz
 113, Elbakhbkh
 118, Viste
 127, Bender
 148, Carruccio (1963)
 150, Giddings
 152, Konikow
 153, Meiser (1971)
 154, Outlaw
 154, Poth
 185, Sprinkle
 191, Koch
 196, Lowdon
 207, Merritt
 209, Sole
 211, Young
 Ground water
 2, Sanford
 2, Sonderegger
 2, Spinger
 15, Winslow
 21, Beiter
 23, Hine
 23, Johnson
 25, Smith
 42, Arnow
 57, Egemeier
 62, Ginsburg
 65, Nork
 70, Griswold
 71, Higgins
 75, Wetterhall
 78, Hamilton
 80, Elliott
 80, Henry
 80, Quay
 91, Butz
 92, Robinson
 92, Schultz
 92, Stanley
 99, Baranovic
 100, Boster
 101, Caswell
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 Ground water (continued)
 101, Clifford
 104, Hines
 110, Shaw
 110, Simpson
 111, Thompson
 111, Tuller
 113, Blackie
 113, Current
 113, Elbakhbkh
 114, Hedges
 115, Nelson
 116, Minning
 116, Rowland
 116, Sikora
 117, Winegardner
 117, Gephart
 117, Maxfield
 118, Riggsbee
 125, Rasmussen
 133, Kelly
 147, Ansari
 147, Brown
 148, Caruccio (1963)
 148, Caruccio (1967)
 148, Cline
 151, Hess
 152, Konikow
 152, Krothe
 152, Landon
 152, Lane, B. E.
 153, Meiser (1975)
 154, Mooreshead
 155, Siddiqui
 156, Smith, R. E.
 160, Hull
 186, Holland
 189, Farnham
 191, Leonard
 201, Root
 202, Bower
 205, Growitz
 216, Coward
 219, Carter
 221, Pollok
 223, Novakovac
 223, Sinclair
 Limnology
 25, Smith
 33, Picken
 33, Chapman
 35, MacLean
 43, Fliegel
 56, Brill
 56, Bubeck
 57, Coch
 57, Deck
 58, Jelacic
 60, Roe (1972)
 65, Ostrye
 69, Cohn (1975)
 69, Cucci
 69, Eggleston
 70, Ghosh
 80, Dannemiller
 80, Houghton
 80, Knox
 80, Lee
 81, Williams
 82, Kovacic
 91, Buller
 92, Otterson
 186, Townsend
 209, Stilson

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Precipitation

93, Chang
152, Konikow
191, Koch

Streams

21, Beiter
25, Stollenwerk
30, Brush
44, Jacoby
67, Flint
62, Kowall
65, Lenhardt
67, Jagoda
72, Koch
91, Gay
91, Mezga
92, Smith
93, Curtis
94, Fisher
102, Eastin
104, Hulman
111, Tuller
112, Williams
114, Hartke
124, Dean and Monahan
124, Goldfarb
125, Monahan and Dean
126, Hoffman
138, Cavanaugh
150, Garihan
152, Konikow
152, Krothe
154, Mooreshead
191, Koch
203, Campbell
203, Davin
204, Drabish
223, Smith

Igneous rocks

General

103, Conterman
104, Hower
106, McCormick
130, Gerhart
130, Cianfortoni

Extrusions

6, Goett
8, Popek
25, Sandefur
26, Blondeau
38, Isachsen
125, Wasiolek
195, Bloomer
198, Webb

Intrusions

20, Bolivar
36, Fiesinger
40, Davidson
40, Kamilli
40, Levy
50, Kadlec
64, Foster
69, Clark
71, Hogeboom
75, Van Tyne
95, Houpt
116, Perkins
136, Vogeli
139, Flocks
139, Francis
140, Ludlum
141, Nagle
145, Ryan
146, Stephenson

Igneous rocks (continued)

Intrusions (continued)

150, Graeber
152, Lanning
170, Carlisle
182, Valachi
187, Carrier
187, Hoover
190, Hall
191, Kettren
192, McTague
195, Campbell
195, Dennis
199, Daniel
200, Maslansky
206, Kapnick
213, Allan
213, Aylard
213, Buckland
213, Buffam
213, Carlyle
213, Davis
214, Finley
214, Gold
214, Goldie
214, Grimes-Graeme (1932)
214, Grimes-Graeme (1935)
214, Hodgson
214, Howard
215, Malouf
215, Marchand
215, Pelletier
215, Pouliot
215, Rajesekaran
215, Shaw
215, Squires
215, Stansfield
216, Wilson
218, Robillard
218, Woussen

Pyroclastics

13, Khawlie
86, Huff
102, Fetzter
144, Chow
155, Rosenkrans
167, Welden
170, Coker
190, Hergenroder (1966)
190, Heymen
211, Dennison

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Inclusions

Fluid inclusions
132, Hester
171, DeGroot
177, Miller, J. D.
178, Nadeau
179, Rife

Xenoliths
215, Pelletier

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Invertebrate paleontology (see Paleontology, invertebrate)

Isotopes (see Chemical analysis methods, isotopes; see Geochronology)

Joints (see Structural geology, joints)

Karst (see Geomorphology, karst)

Kentucky

Areal geology

12, Limper
18, Farmer
19, Wood
22, Brock
22, Downing
24, Moser
25, Pirtle
25, Stallard
26, Wesley
26, Wilder
27, Webb
34, Knapp
87, Munyan (1931)

Environmental geology

25, Stollenwerk
26, Young, J. L.

Geomorphology

16, Kelty
21, Beiter
22, Carney
22, Haag
23, Hamilton, D. K.
23, Haney
26, Wilder
40, Thraikill
84, Branch
85, Collier
86, Kerr
87, Middendorf
88, Rogers (1929)
89, Teller
90, Vettori
151, Hess
212, Peterson

Hydrogeology

21, Beiter
23, Hine
23, Johnson
25, Smith
25, Stollenwerk
78, Hamilton
151, Hess

Igneous rocks

20, Bolivar
95, Houpt
116, Perkins

Mineral deposits

Organic materials

Asphalt

21, Averitt, S. D.

Oil and gas

23, Hamilton, C. J.
23, Huffman
24, Marshall
24, Miles
24, Perkins
89, Shanklin
148, Caudill

Metals

22, Breeding
24, Lewis
24, Miller
25, Stokley

Nonmetals

17, Pinsak
22, Breeding
22, Carrington
23, Hetterman
24, Parker
25, Plummer
26, Young, J. L.
89, Schaleman

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Precambrian

20, Goble
26, Sumartojo

Cambrian

20, Goble

Ordovician

15, Kastrom
15, Lorenz
17, Anstey
17, Brown
17, Hatfield
17, Moore
17, Straw
21, Weber
21, Averitt, P.
21, Bach
21, Barton
22, Bryne
22, Etter
23, Haney
23, Hazel
23, Hicklin
23, Hirsch
24, King, L. F.
24, Mackey
24, McCulloch
24, Miller
24, Parker
24, Perkins
25, Reeves
25, Reynolds
25, Smith
25, Stafford
26, Whaley
26, Young, D. M.
26, Young, J. L.
33, Delmet
78, Hamilton
85, Carpenter
86, Huff
87, Lattman (1951)
87, Meyer
87, Naegle
93, Brand
93, Davies
94, Freas
95, Kramer
95, Lee
95, Lind
96, Nietert
96, O'Brien, J. M.
96, Passero
97, Shade
101, DeHaas
102, Dunn
102, Edwards
105, Kohut
108, Pulse
168, Fuchstein

Silurian

16, Warn
17, Manning
21, Scott
21, Bach
22, Bryne
23, Helton
23, Holbrook
23, Huffman
24, Miles
25, Rice
25, Stokley
26, Welch
26, Young, J. L.
35, Perry

Kentucky (continued)

Stratigraphy (continued)

Silurian (continued)

62, Childs
86, Harrison
88, O'Donnell

Devonian

4, Kindle
17, St. Jean
20, Berkheiser
20, Kuhnheim
21, Sanders
23, Hamilton, C. J.
23, Helton
23, Holbrook
24, Lewis
24, Miles
25, Rice
25, Rubarts
25, Ruthledge
26, Walker
26, Welch
37, Rogers
73, Murphy
89, Stephens, J. G.
96, Runge
211, Dennison

Mississippian

4, Kindle
12, Bliefnick
12, Etenoohn
13, Larson
15, Winkler
16, Peterson
16, Vail
20, Kiskanen
20, MacGill, R. A.
20, MacGill, P. L.
21, Slone
21, Szymanski
22, Clarke
22, Dever
22, Diamond
22, Dohm
22, Ford
22, Greenfield
23, Hamilton, C. J.
23, Hurd
24, Kearby
24, King, W. R.
25, Straughan
26, Young, J. L.
82, Oschenbein
86, Hannan
86, Klein
86, Klekamp
87, Martin, R. V.
89, Sonnenberg
90, Wilson
105, Klepser
167, Gimmel
178, Philley (1971)
186, Clarke
193, Thomas

Pennsylvanian

12, Baroffio
14, Robertson
14, Summerson
15, Kilburn
16, Mitchum
20, Neal
21, Blancher
22, Diamond
27, Pedersen
27, Webb

Kentucky (continued)

Stratigraphy (continued)

Tertiary

17, Pinsak
20, Cantrell

Pleistocene

20, Cantrell
22, Carrington
84, Branch
88, Schaber
212, Peterson
217, Harmon

Holocene

17, Friberg
22, Carney
25, Short
84, Branch
212, Peterson

Structural geology

20, Goble
21, Adams
22, Etter
23, Hine
24, Patterson
24, Perry
25, Stafford
25, Stallard
26, Wesley
26, Wilder
34, Knapp

Maryland

Areal geology

29, O'Harra
47, Dyott
203, Dean, S. L.
203, Dennison
205, Harvey
207, Martin, R. H.
208, Norwood
210, Twigg

Geophysics

30, Hart

Mineral deposits

Metals

28, Hunter
29, Singewald

Stratigraphy

Cambrian

28, Long

Ordovician

6, Ekstrom
6, Klavans
28, McBride
29, Neuman
29, Sandu

Silurian

28, Geiser
28, Hunter
29, Prouty
29, Singewald
29, Tourek
30, Yeakel
30, Bowen
124, Hoskins
166, Head
190, Helfrich
216, Clack
217, Prasad

Devonian

13, Morrison
28, Maynard
28, McIver
29, Ohern
30, Bowen
73, Murphy

Maryland (continued)

Stratigraphy (continued)

Devonian (continued)

78, Kirchgessner
78, McGhee
166, Head
173, Hasson (1966)
211, Dennison

Mississippian

16, Vail
29, Pelletier

Pennsylvanian

19, Morris (1967)
28, Lintz
29, Meckel
29, Price
205, Harvey

Holocene

202, Wagner

Structural geology

28, Geiser
29, Stevens
47, Dyott
79, Straley

Metamorphism

Contact

40, Levy
124, Weiss
137, Austin
138, Brown
138, Cocker
138, Conti
195, Campbell
206, Kapnicky
213, Dolan
213, Eadle
214, Gold
215, Pelletier
215, Tan

Dynamic

3, Holcomb
11, Behre
12, Mohr
28, Fellows
28, Geiser
41, Zaymore
66, Schnabel
77, Allan
103, Conterman
106, McCormick
125, Wasiolek
127, Bottner
129, Diehl
130, Flinchbaugh
130, Gerhart
130, Gianfortoni
138, Dilks
162, Park
167, Young
171, Drenge
181, Sutton
183, Wilson, J. R.
187, Bartholomew
188, Davis
188, Davison
193, Shuffelbarger
196, Griffin
205, Heck (1942)
208, Perkins, R. L. (1967)

Mineralogy

General

12, Fenner
13, Gross
13, Heath
14, Nelson
20, Thomas

Mineralogy (continued)

General (continued)

62, Kaplan
71, Huck
74, Sakkaf
77, Harvey
83, Stroganoff
96, Nietert
96, Passero
109, Rosen
113, Birkhimer
115, Nelson
143, Sydor
170, Cobb
174, Jacobs
190, Hall
196, Hayes
199, Funkhouser
202, Bayles
208, Nuhfer

Barite

25, Plummer
96, Lynn
178, Nadequ
179, Rife
195, Burfoot

Celestite and strontianite

51, Morrison
75, Thibault
140, Lausten
197, Rodgers
220, Huff

Diamond

224, Gunn

Feldspar

20, Thomas
54, Buyce
96, Ohotnicky
170, Carlisle
215, Pouillot
Flourite
23, Hetterman
51, Morrison
52, Scherffius
116, Swemba
171, DeGroodt
177, Miller, J. D.
178, Nadeau

Iron oxides

117, Lubner
126, Hozik
126, Wolfe
129, Derry

Pyrite and marcasite

43, Hoyle
57, Dyer
58, Fulreader
64, Izard
65, Owens
70, Foland
124, Marsters
126, Hozik
126, Wolfe
154, Neavel
155, Reidenouer
157, Travis
178, Patel
203, Check
204, Eddy (1971)
208, Nyland
224, Mason

Quartz

51, Nichols
73, Pike
120, Haacke
162, Packman
181, Stickney

Mineralogy (continued)

Zircon

211, Marais

Mineral deposits

Organic materials

Asphalt

21, Averitt, S. D.
51, Nichols

Bitumens

216, Cheung

Coal

2, Toulmin
3, Zink
13, Kidda
80, Elliott
80, Henry
113, Bobba
114, Hartke
114, Hedges
117, Lubner
120, Gow
147, Bayer
148, Cameron
148, Caruccio (1968)
148, Channabasappa
153, Middleton
154, Neavel
155, Reidenouer
156, Ting
157, Warg
157, Williams
158, Billings
158, Darakos
159, Edmunds
159, French
159, Gibbs
161, Lusk
161, Matter
163, Sitler
167, Jones
168, Robinson
180, Schrader
182, Upham
193, Stevens
198, Young
198, Bowles
199, Hinton
201, Osborne
201, Schaub
203, Byrer
203, Cheek
203, Clendening (1960)
203, Clendening (1970)
203, Collins
203, Conti
204, Denton
204, Donahue
204, Eddy (1971)
205, Growitz
205, Gwinu
205, Heck (1942)
205, Hidalgo
206, Kerns
208, Nuhfer
208, Nyland
209, Schapiro
209, Schemel
209, Smith
209, Stanton
209, Streib (1972)
210, Warman

Lignite

171, Darrell

Oil and gas

23, Hamilton, C. J.
23, Huffman

Mineral deposits (continued)

Organic materials (continued)

Oil and gas (continued)

24, Marshall
 24, Miles
 24, Perkins
 30, Lusk
 34, Garvey
 36, Smith
 53, Munsart
 56, Agey
 60, Simmons
 63, Blumreich
 64, Jaffe
 66, Seiler
 66, Thompson
 71, Hershelman
 72, La Mar
 73, Multer
 73, Novotny
 89, Schweinfurth, S. P.
 (oil shale)
 89, Shanklin
 101, Cummins
 105, Kinzelman
 110, Shaw
 112, Wharton
 118, Dolly
 118, Knight
 120, Grunau
 123, Wright
 148, Caudill
 153, Metz
 154, Modaressi (1963)
 155, Russell
 158, Cohn
 158, Dana
 159, Gibbs
 160, James
 160, Lanning
 163, Thomas
 164, Wing
 200, Oref
 202, Bower
 203, Cardea
 206, Laiese
 207, Milner
 208, Nugent
 208, Roth
 209, Shafer
 209, Thomas
 210, Tucker
 210, Williamson
 211, Youse
 211, Zurgani
 213, Currie

Peat

71, Hasser
 120, Hassell
 122, Senzik
 133, Lane
 144, Callaghan

Metals

Unspecified in title

22, Breeding
 168, Atik
 175, Kyle

Copper

24, Miller
 41, Slaughter
 42, Addy
 45, Socolow
 56, Anderson
 77, Harvey
 130, Gianfortoni
 182, Tung

Mineral deposits (continued)

Metals (continued)

Copper (continued)

192, Moore
 211, Carpenter
 212, Schmedeman
 216, Cheung
 Iron ore
 2, Simpson
 15, Castano
 24, Lewis
 25, Stokley
 28, Hunter
 29, Singewald
 30, Gilbert
 31, Schoen
 42, Baldwin
 43, Hoyle
 47, Ellison
 70, Ghosh
 124, Marsters
 125, Settzo
 126, Hozik
 126, Wolfe
 129, Derry
 144, Frahm
 144, Getz
 145, McCaskey
 157, Travis
 183, Zimmer
 193, Sears
 194, Williams
 202, Wilson

Lead

1, Ehinger
 24, Miller
 36, Willard
 38, Reid
 43, Gray (1947)
 43, Gray (1953)
 46, Worthington
 49, Ingham
 52, Scherffius
 59, Platt
 146, Talmage
 183, West, W. S.
 216, Cheung
 217, Kwong

Manganese

46, Thurston
 70, Ghosh
 148, Chase
 169, Brower
 174, Jacobs
 181, Steiner
 182, Wallace
 192, Moomaw
 195, Barnes
 222, Wilson

Molybdenum

142, Rahn

Silver

24, Miller

Zinc

1, Ehinger
 14, Oder
 14, Ringler
 29, Secrist
 36, Willard
 38, Reid
 43, Gray (1947)
 43, Gray (1953)
 46, Walthier
 46, Worthington
 49, Ingham
 52, Scherffius

Mineral deposits (continued)

Metals (continued)

Zinc (continued)

57, Bush
 59, Platt
 116, Meyero
 126, Evinger
 141, Pollock
 146, Talmage
 171, DeGroodt
 172, Gentry
 177, Miller, J. D.
 180, Rishel
 180, Sandrock
 181, Snyder
 181, Steuerwald
 183, West, J. E. (1970)
 183, West, J. E. (1974)
 183, West, W. S.
 196, McGavock
 216, Cheung
 217, Kwong

Nonmetals

General

200, Oref
 Barite
 25, Plummer
 146, Tooker
 178, Nadeau
 179, Rife
 195, Burtoot

Building stone

222, Sharp
 224, Hughes

Clay

22, Carrington
 42, Allen
 147, Bragonier
 149, Falla
 151, Holbrook
 153, Lithgow
 153, McCarl
 175, Kasey
 195, Caskie, A.

Diamond

224, Gunn

Flagstone

152, Krajewski

Fluorite

22, Breeding
 23, Hetterman
 51, Morrison
 52, Scherffius
 171, DeGroodt
 177, Miller, J. D.
 178, Nadeau

Gravel

72, Marks
 89, Schaleman
 139, Harrison
 221, Martin
 221, Pedersen

Gypsum

47, Duskin
 56, Treesh
 72, Leutze
 75, Tennison

Limestone

26, Young, J. L.
 34, Ceyer
 55, Mohammed
 55, Ozol
 68, Buzzalini
 75, Weiser
 81, Brutvann
 144, Busk

- Mineral deposits (continued)
- Nonmetals (continued)
- Limestone (continued)
- 144, Herr
- Marble
- 79, Walls
- 168, Ayers
- 181, Steuerwald
- 182, Teng
- 182, Turner, W. N.
- 182, Walls
- Quartz
- 51, Nichols
- 73, Pike
- Phosphate
- 24, Parker
- 29, Ohrenschall
- Salt
- 56, Treesh
- 72, Leutze
- 73, Phillips
- 115, Oinonen
- Sand
- 72, Marks
- 89, Schaleman
- 90, Tucker
- 172, Freeman
- 221, Martin
- 221, Pedersen
- Slate
- 11, Behre
- Uranium
- 44, McCauley
- 75, Vickers
- 144, Lawall and Protseller
- 145, Protseller and Lawall
- 152, Klemic
- 178, Patel
- 180, Saltmann
- Mineral exploration
- Biogeochemical methods
- 46, Worthington
- 150, Good
- 196, McGavock
- Fluid inclusions
- 132, Heater
- 171, DeGroodt
- 177, Miller, J. D.
- 178, Nadeau
- 179, Rife
- Geochemical methods
- 1, Ehinger
- 22, Breeding
- 23, Hetterman
- 24, Miller
- 25, Plummer
- 116, Meyers
- 116, Silverman
- 131, Gresh
- 142, Rahn
- 150, Good
- 171, Escobar
- 172, Gentry
- 174, Hill, W. T.
- 181, Steiner
- Photogeology
- 2, Sonderegger
- 14, Saxby
- 53, Lofthouse
- 56, Brill
- 111, Uhrin
- 195, Browning
- Mine pollution (see Environmental geology under specific State or Province)
- Mines (see Engineering geology, mines; see Mineral deposits)
- Mississippi
- Stratigraphy
- Paleozoic
- 32, Morse
- Mohorovicic discontinuity
- 21, Adams
- 30, Hart
- 36, Willis
- Moraines (see Geomorphology, glacial features)
- Natural gas (see Mineral deposits, organic, oil and gas)
- New Jersey
- Areal geology
- 39, Baker
- 40, Cook
- 41, Spink
- 41, Banino
- 43, Gray (1947)
- 45, Pincus
- 46, Thurston
- 53, Perissoratis
- 67, Dallmeyer
- 102, Epstein, J. B.
- 138, Davies
- 138, Ehly
- 138, Eisenbeis
- 141, Parker, R.
- 142, Riley
- Geomorphology
- 138, Ehly
- 139, Francavillese
- 142, Sies
- 143, Von Rhee
- Igneous rocks
- 40, Davidson
- 40, Kamilli
- 40, Levy
- Metamorphic rocks
- 40, Levy
- 67, Dallmeyer
- 167, Young
- Mineral deposits
- Metals
- 43, Gray (1947)
- 43, Gray (1953)
- 46, Thurston
- 46, Worthington
- 49, Ingham
- 142, Rahn
- Nonmetals
- 139, Harrison
- Stratigraphy
- General
- 41, Banino
- Cambrian
- 14, Page
- 15, Zadnick
- 41, Spink
- 140, Hellstrom
- 140, Ludlum
- 143, Bowman
- Ordovician
- 18, Barnett
- 40, Cook
- 40, Oliver
- 41, Pollock
- 41, Spink
- 44, Miller, R. L.
- 53, Perissoratis
- 54, Vargas
- 139, Hecker
- New Jersey (continued)
- Stratigraphy (continued)
- Ordovician (continued)
- 143, Bowman
- 145, Ray
- Silurian
- 41, Thomson
- 43, Holm
- 99, Barnett
- 102, Epstein, A. G. F.
- 124, Hoskins
- 157, Whitmore
- 166, Head
- Devonian
- 40, Horton
- 99, Barnett
- 102, Epstein, A. G. F.
- 144, Johnsen
- 166, Head
- Triassic
- 42, Abdel-Monem
- Pleistocene
- 138, Ehly
- 139, Francavillese
- 139, Harrison
- 140, Leyden
- 142, Sies
- Structural geology
- 41, Spink
- 41, Banino
- 45, Pincus (1951)
- 53, Perissoratis
- 67, Dallmeyer
- 99, Baker
- 137, Bechtel
- 138, Davies
- 138, Eisenbeis
- 142, Riley
- 167, Young
- New York
- Areal geology
- 4, Friedman
- 4, Holmes
- 5, Offield
- 15, Cushman
- 18, Curry
- 19, Wilbur
- 31, Quinn
- 32, Leftwich
- 32, Connally
- 33, Chapman
- 35, Maclean
- 36, Woodruff
- 39, Zenger
- 39, Reed
- 42, Alterman
- 42, Arnow
- 46, Borofsky
- 47, Coy
- 47, Dunner
- 48, Eng and Herrington
- 48, Filmer (1912)
- 48, Filmer (1928)
- 49, Gonzales
- 49, Grossman
- 49, Heng
- 49, Herrington and Eng
- 49, Isachsen
- 50, Kothe
- 50, Meilf
- 52, Stone
- 53, York
- 53, Lofthouse
- 54, Elam

New York (continued)

Areal geology (continued)

54, Hutchings
 55, LaFleur
 55, Schock
 56, Whipple
 56, Yatsevitch
 56, Anderson
 57, Davis
 57, Edwards
 58, Gillette
 58, Grossman
 58, Hamlen
 58, Howd
 58, Humes
 59, Kennedy
 59, Killip
 59, Lewis
 59, McGill
 59, Neel
 59, Nugent
 59, Paulus
 59, Pefley
 61, Twigg
 61, Walters
 63, Abel
 63, Blackman
 63, Cuthbert
 64, Fisher
 65, Mesires
 65, Neik
 66, Pryor
 66, Sweeney
 66, Symecko
 67, Dallmeyer
 68, Agne
 68, Allenson
 68, Apfel
 68, Booseman
 68, Caggiano
 69, Coon
 69, DeBruin
 69, Eldridge
 69, Eppler
 70, Fielding
 70, Forster
 70, Furbush
 70, Gantner
 70, Giardina
 70, Glenn
 70, Criswold
 70, Gwynne
 70, Harrington
 71, Harrison
 71, Holmes, C. B.
 71, Holmes, H. N.
 71, Horowitz
 71, Howe
 71, Johnson
 71, Kaiser
 72, Kaiser
 72, Leachtenauer
 72, Le Mar
 72, Meaker
 73, Parkinson
 74, Rhodes
 74, Sachs
 74, Simmonds
 74, Statkewicz
 74, Stevens
 74, Stewart, D. P.
 74, Stewart, G. W.
 75, Struthers
 75, Tesmer
 75, Tolley
 75, Tomikel

New York (continued)

Areal geology (continued)

75, Wetterhall
 76, Wollé
 76, Wright
 76, Reynolds
 94, Harris, A. G.
 94, Harris, C. E.
 154, Outlaw
 194, Mintz
 211, Jacobs
 Environmental geology
 33, Picken
 67, Keller
 Geomorphology
 General
 19, Wilbur
 33, Chapman
 35, MacLean
 42, Broscoc
 47, Happ
 44, Morisawa
 45, Smith
 46, Ver Steeg
 46, Baker
 46, Brady
 47, Brown
 47, Cornish
 48, Fridley
 48, Garrett
 49, Johnston
 50, Kesselring
 50, Kinsman
 50, Meili
 51, Nowrey
 52, Sweet
 52, Thorsen
 53, York
 56, Yatsevitch
 56, Alling
 57, Deck
 57, Dollen
 57, Egemeier
 58, Jelacic
 61, Suess
 62, Redig
 63, Cuthbert
 63, D'Agostino
 63, Diana
 64, Gryzbek
 65, Lenhardt
 65, Ostrye
 66, Pryor
 66, Symecko
 67, Jagoda
 67, Winter
 69, Cohn (1974)
 69, Cohn (1975)
 69, Coon
 69, Durham
 69, Eldridge
 72, Kaiser
 73, Phillips
 74, Rhodes
 74, Stewart, D. P.
 76, Wright
 76, Lewis
 87, Lorenz
 186, Kodl
 194, Robbins
 Glacial
 4, Holmes
 19, Wilbur
 32, Connally
 33, Chapman
 35, MacLean

New York (continued)

Geomorphology (continued)

Glacial (continued)

39, Fullerton
 43, Happ
 45, Peltier
 45, Simpson
 46, Baker
 46, Borofsky
 46, Brady
 48, Erickson
 48, Filmer (1928)
 48, Forrester
 48, Garrett
 48, Goldman
 50, Kesselring
 50, Knapp
 50, Meili
 50, Messinger
 51, Noble
 51, Olsen
 51, Pollack
 52, Sweet
 52, Wold
 53, York
 55, LaFleur
 56, Whipple
 56, Yatsevitch
 56, Alling
 57, Davis
 57, Dollen
 57, Edwards
 58, Giles
 59, Neel
 61, Suess
 61, Walters
 61, Surgenor
 61, Tewksbury
 62, Cadwell
 62, Kirkland
 63, Barnes
 63, Bart
 63, Blackman
 63, Cuthbert
 63, D'Agostino
 63, Diana
 64, Gahnoog
 66, Pryor
 66, Sweeney
 66, Symecko
 67, Kirkland
 68, Brainerd, W. F.
 68, Caggiano
 69, Coon
 69, Durham
 69, Eldridge
 69, Eppler
 70, Forster
 71, Huck
 71, Kaiser
 72, Kaiser
 72, Krall
 73, Perry and Brainerd
 74, Rhodes
 74, Savage
 74, Stewart, D. P.
 75, Street (1966)
 76, Wright
 76, Healey
 76, Lewis
 79, Mills
 79, Staheli
 87, Lorenz
 139, Furst
 186, Kodl
 194, Admiral

- New York (continued)
- Geomorphology (continued)
- Glacial (continued)
- 194, Robbins
- Geophysics
- 31, Simmons
- 37, Rudd
- 60, Revetta
- 67, Wilson
- 70, Faltny
- Hydrogeology
- General
- 49, Grossman
- 67, Keller
- 154, Outlaw
- Ground water
- 42, Arnow
- 57, Eggenier
- 65, Nork
- 70, Grinwald
- 71, Higgins
- 75, Wetterhall
- Lakes
- 33, Picken
- 43, Fliegel
- 56, Brill
- 56, Bubeck
- 57, Deck
- 58, Jelacic
- 60, Rue (1972)
- 60, Rubin
- 69, Cohn (1975)
- 74, Snow
- Streams
- 64, Gryzbek
- 67, Jagoda
- 67, Winter
- 72, Koch
- 154, Outlaw
- Igneous rocks
- 36, Fiesinger
- 50, Kadler
- 64, Foster
- 69, Clark
- 71, Hogeboom
- 73, Myers
- 75, Van Tyne
- 116, Perkins
- Metamorphic rocks
- 66, Schnabel
- 67, Dallmeyer
- Mineral deposits
- Organic materials
- Oil and gas
- 36, Smith
- 56, Agey
- 60, Simmons
- 63, Blumreich
- 64, Jaffe
- 66, Sellar
- 66, Thompson
- 71, Hershelman
- 72, Le Mar
- 73, Multer
- 73, Novotny
- Organic Peat
- 71, Hassler
- Metals
- Copper
- 56, Anderson
- Iron
- 15, Castano
- 28, Hunter
- 31, Schoen
- Lead
- 59, Platt
- New York (continued)
- Mineral deposits (continued)
- Metals (continued)
- Zinc
- 57, Bush
- 59, Platt
- Nonmetals
- 42, Allen
- 51, Nichols
- 55, Mohammed
- 68, Buzzalini
- 72, Marks
- 73, Pike
- 75, Weiser
- Uranium
- 75, Vickers
- Stratigraphy
- General
- 39, Fulle
- 50, Kothe
- 54, Allen
- 54, Hutchings
- 59, Neel
- 63, Abel
- 63, Brett
- 64, Fisher
- 65, Mesires
- 68, Agne
- 69, DeBruin
- 70, Fielding
- 70, Furbush
- 70, Harrington
- 71, Holmes, H. N.
- 72, Le Mar
- 72, Meaker
- 74, Sachs
- 74, Simmons
- 74, Stevens
- 74, Stewart, G. W.
- 75, Tesmer
- 75, Tolley
- 76, Pack
- 146, Stevenson
- 211, Marais
- 218, Williams
- Precambrian
- 64, Fisher
- 66, Schnabel
- Cambrian
- 31, Sahakian
- 31, Wheeler
- 44, Larsen, L. H.
- 54, Spanglet
- 54, Buyce
- 55, Owen
- 55, Rubin
- 60, Selleck
- 64, Fisher
- 106, Lewis
- 165, Halley
- Ordovician
- 5, Walker
- 30, Bloomer
- 31, Wheeler
- 35, Meyer
- 40, Sanford
- 42, Cameron
- 42, Chenoweth
- 42, Craig (1941)
- 43, Faill (1964)
- 43, Faill (1966)
- 44, Karp
- 44, Larsen, L. H.
- 44, Lippit (1953)
- 44, Lippit (1959)
- 44, Mallory
- New York (continued)
- Stratigraphy (continued)
- Ordovician (continued)
- 45, Oxley
- 45, Pitcher
- 46, Young
- 52, Stone
- 54, Vargas
- 54, Buyce
- 55, Kaufman
- 55, Mazzullo
- 55, Mohammed
- 55, Porter
- 55, Rubin
- 57, Fisher
- 58, Hoskins
- 58, Karleskind
- 59, Krueger
- 60, Seaber
- 60, Selleck
- 60, Smith, M. A.
- 62, Dupler
- 62, Patchen
- 62, Ward
- 63, Abel
- 64, Fisher
- 67, Wiesnet
- 71, Hooker
- 72, Mack
- 72, McNulty
- 75, Vere
- 109, Roscoe
- 109, Schopf
- 121, Nellis
- 210, Wentworth
- Silurian
- 5, Sarle
- 14, Walker
- 15, Castano
- 16, Warn
- 28, Hunter
- 31, Schoen
- 32, Fisher
- 39, Giraud
- 40, Sanford
- 41, Rose
- 44, McConnell
- 47, Duskin
- 53, Zenger
- 55, Kaufman
- 55, Mohammed
- 56, Treesh
- 57, Chamberlain
- 58, Gartland
- 58, Hoyt
- 59, Kremer
- 59, Platt
- 60, Reed
- 60, Rickard
- 60, Sarle
- 60, Seaber
- 62, Patchen
- 63, Abel
- 63, Dwornik, F. J.
- 63, Dwornik, S. E.
- 64, Heubusch
- 64, Kaplowitz
- 65, Lockwood
- 65, Lumsden
- 65, Michalski
- 65, Opera
- 67, Nairn
- 68, Buchwald
- 69, Craft
- 69, DeGroff
- 69, Dunkerley

New York (continued)
 Stratigraphy (continued)
 Silurian (continued)
 71, Higgins
 72, Leutze
 72, Mozola
 73, Muskatt (1969)
 73, Phillips
 74, St. Clair
 75, Tennison
 77, Mench
 99, Barnett
 102, Epstein, A. G. F.
 106, Leutze
 124, Hoskins
 131, Hambleton
 165, Harper
 166, Head
 217, Gietz
 217, Martini
 217, Prasad
 218, Yeo
 Devonian
 4, Berdan
 4, Byers
 4, Cleland
 4, Cooper
 4, Girty
 4, Greiner
 4, McAlester
 5, Raymond
 5, Talbot
 5, Thayer
 6, Collier
 12, Bailey
 12, Boardman
 12, Fenner
 14, Provo
 14, Towe
 16, Stewart
 20, Thomas
 28, McIver
 30, Burtner
 30, Harris
 31, Mencher
 32, Berry
 32, Hulsman
 34, Davis
 35, Melik
 35, McIntosh
 35, Peterson
 36, Smith
 37, Rudd
 39, Bamford
 39, Giraud
 40, Manspeizer
 41, Mazzullo
 42, Allen
 43, Grossman
 46, Boekenkamp
 47, Brew
 47, Burford
 47, Carr
 47, Chen
 47, Crierson
 47, Diconza
 48, Ely
 48, Fernow (1956, Senior
 thesis)
 48, Fernow (1956, M. S.
 thesis)
 48, Fernow, 1961
 48, Gambrell
 49, Gonzales
 49, Crasso
 49, Harrington

New York (continued)
 Stratigraphy (continued)
 Devonian (continued)
 49, Hodgson
 49, Hubrig
 49, Hueber (1959)
 49, Hueber (1960)
 50, Kirchgasser (1965)
 50, Kirchgasser (1967)
 50, Laub
 50, Matten
 50, Moore
 51, Oliver (1950)
 51, Oliver (1952)
 51, Replogle
 51, Rickard (1951)
 51, Rickard (1955)
 51, Ross
 51, Saari
 52, Schleh
 52, Schwartz
 52, Sirkin
 52, Smart
 52, Squires
 52, Warren
 52, Williams
 52, Wolff
 53, Wyckoff
 53, Zimmerli
 53, Grossman
 54, Sulenski
 54, Borst
 54, Han
 54, Johnson
 55, Kramers
 55, La Brake
 55, Laskowski
 55, Lindemann
 55, Mohammed
 55, Ozol
 56, Smith
 56, Way
 56, Balrd
 57, Campbell
 57, Chadwick
 57, Cottrell
 57, Dyer
 57, Fletcher
 58, Fulreader
 58, Grosvenor
 58, Hoffman
 58, Jensen
 58, Karmen
 59, Lucier
 59, Manley
 59, Moyer
 59, Payne
 60, Roe (1975)
 60, Saas
 60, Sachs
 60, Smlth, M.
 61, Stover
 61, Williams
 61, Woodrow (1960)
 61, Wray
 62, Caramanica
 62, Kraemer
 63, Blumreich
 63, Boelme
 63, Buehler
 64, Hoffman
 64, Izard
 64, Jaffe
 64, Janowsky
 64, Jones
 64, Kammer

New York (continued)
 Stratigraphy (continued)
 Devonian (continued)
 64, Kaplowitz
 65, Kopf
 65, Meisen
 65, Mesires
 65, Miller
 65, Nemcek
 65, Owens
 66, Rettke
 66, Rosenshcin
 66, Schwimmer
 66, Seiler
 66, Stipp
 66, Tasmcr
 66, Thompson
 66, Watson
 67, Wedow
 68, Anastasio
 68, Apsouri
 68, Benz
 68, Bolton
 68, Buzzalini
 69, Clement
 69, DeGroff
 69, Dugolinsky
 69, Dunkerley
 69, Elston
 70, Fernalld
 70, Fielding
 70, Foland
 70, Furbush
 70, Gilg
 71, Hershelman
 71, Johns
 71, Johnson
 71, Jones
 72, Ketterer
 72, Klepser
 72, LaGrange
 73, Multer
 73, Murphy
 73, Muskatt
 73, Novotny
 73, Prouty
 73, Pullin
 74, Sakkaf
 74, Sanders
 74, Scobey
 74, St. Clair
 75, Stone
 76, Horne
 76, Pierce
 76, Reeves
 76, Verschoor
 85, Cahill
 86, Holland
 99, Barnett
 100, Busch (1936)
 102, Epstein, A. G. F.
 144, Johnsen
 146, Taylor
 161, Leighton
 164, Arif
 165, Anderson
 165, Eby
 165, Epstein (1968)
 165, Epstein (1971)
 166, Hassler
 166, Head
 166, Lane
 166, McCave
 166, Mesolella
 166, Poore
 166, Spang

- New York (continued)
- Stratigraphy (continued)
- Devonian (continued)
- 167, Welden
- 185, Fessenden
- 185, Heckel
- 216, Bray (1969)
- 216, Bray (1971)
- 216, de Grijs
- 217, Jordan
- 218, Mayr
- Mississippian
- 47, Burford
- 47, Carr
- 86, Holland
- Pennsylvanian
- 120, Haacke
- Pleistocene
- 4, Holmes
- 19, Wilbur
- 32, Connally
- 33, Wingard
- 35, Schieck
- 45, Peltier
- 45, Simpson
- 53, Mackey
- 55, LaFleur
- 55, Schock
- 56, Whipple
- 57, Connally
- 57, Davis
- 57, Edwards
- 58, Giles
- 59, Neel
- 61, Terlecky
- 61, Walters
- 62, Kirkland
- 63, Barnes
- 63, Bart
- 63, Blackman
- 63, Cuthbert
- 63, Diana
- 63, Fickett
- 64, Gahnnoog
- 64, Kirchgesner
- 65, Nork
- 66, Pryor
- 66, Sweeney
- 66, Symecko
- 68, Blagbrough
- 68, Brainerd and Perry
- 68, Brainerd, W. F.
- 69, Coon
- 69, Eldridge
- 69, Eppler
- 70, Forster
- 70, Goldich
- 71, Harrison
- 71, Hasser
- 71, Huck
- 71, Kaiser
- 72, Kaiser
- 72, Langey
- 72, Marks
- 73, Myers
- 73, Perry and Brainerd
- 74, Stewart, D. P.
- 75, Street (1963)
- 75, Street (1966)
- 76, Wright
- 76, Healey
- 139, Furst
- 194, Admiral
- Holocene
- 17, Friberg
- 19, Wilbur
- New York (continued)
- Stratigraphy (continued)
- Holocene (continued)
- 35, Schieck
- 51, Mowrey
- 57, Coch
- 60, Rubin
- 61, Suess
- 64, Gryzbek
- 65, Ostrye
- 66, Taublieb
- 67, Clute
- 69, Cucci
- 69, Eggleston
- 70, Ghosh
- 72, Langey
- 76, Wright
- 186, Townsend
- Structural geology
- 31, Quinn
- 32, Leftwich
- 35, MacLean
- 36, Woodruff
- 47, Coy
- 47, Dunner and Heng
- 48, Eng and Herrington
- 49, Heng and Dunner
- 49, Herrington and Eng
- 50, Kothe
- 53, Lofthouse
- 61, Twigg
- 67, Dallmeyer
- 68, Apfel
- 68, Babcock
- 69, DeBruin
- 69, DeGroff
- 70, Fernald
- 70, Fielding
- 70, Furbush
- 70, Gwynne
- 70, Harrington
- 71, Holmes, H. N.
- 71, Hooker
- 71, Johns
- 72, LaGrange
- 72, Le Mar
- 72, Meaker
- 73, Novotny
- 73, Parkinson
- 73, Phillips
- 73, Ploger
- 74, Rowell
- 74, Sachs
- 74, Sanders
- 74, Simmonds
- 74, Stevens
- 75, Tolley
- 75, Wallach
- 94, Harris, A. G.
- 94, Harris, C. E.
- 99, Baker
- 146, Stevenson
- 166, Spang
- Nodules (see Sedimentary structures, secondary structures)
- North Carolina
- Areal geology
- 5, Oriel
- 12, Mohr
- 180, Sherkarchi (1959)
- Metamorphic rocks
- 41, Zaymore
- 77, Allan
- 183, Wilson, J. R.
- Mineral deposits
- 183, Wilson, J. R.
- North Carolina (continued)
- Stratigraphy
- Precambrian
- 12, Mohr
- Cambrian
- 77, Wilkins
- 78, Byrd
- Holocene
- 17, Friberg
- Structural geology
- 12, Mohr
- 77, Wilkins
- 79, Odom
- Ohio
- Areal geology
- 12, Baker
- 14, Totten
- 15, Winslow
- 18, Frye
- 19, Unklesbay
- 19, Vorhis
- 19, Wilson
- 35, MacLean
- 40, Aukland
- 80, Keller, J. D.
- 83, Ruch-Hirzel
- 83, Strogonoff
- 83, Swanston
- 84, Atkins
- 84, Branch
- 86, Galbraith
- 87, Miller
- 88, Reidel
- 88, Rogers (1933)
- 91, Carothers
- 91, Metzler
- 93, Brace
- 93, Coppinger
- 94, Coldstein
- 94, Gonzales
- 94, Grubbs
- 95, Kotila
- 95, Lind
- 97, Scheufler
- 97, Shafor
- 97, Smallwood
- 97, Spoley
- 99, Arkle
- 99, Baroffio
- 99, Bartlett
- 99, Baumiller
- 99, Bell
- 99, Blake
- 99, Bognar
- 100, Bowen, C. H. (1947)
- 100, Brown
- 101, Christopher
- 101, Conley
- 101, Conrey
- 102, Eberle
- 102, Fisher
- 102, Flint (1946)
- 102, Flint (1948)
- 103, Ford
- 103, Forsyth
- 103, Franklin (1953)
- 103, Franklin (1961)
- 103, Gregory
- 104, Hutton
- 104, Janssens (1964)
- 104, Jessup
- 105, Kelly
- 106, Lehman
- 106, Maxey
- 106, Melvin

Ohio (continued)

Areal geology (continued)

106, Merrill (1948)
 106, Merrill (1950)
 107, Meyers
 107, Mitchell
 107, Mix
 107, Mohr
 107, Moses
 107, Multer
 107, Nesbitt
 107, Norling
 108, Pedry
 108, Quinn (1972)
 108, Quinn (1974)
 108, Reutinger
 109, Rogers
 109, Root
 109, Rosengreen
 109, Schaefer
 109, Schuh
 110, Schuster
 110, Seik
 110, Shaffer
 110, Smith
 110, Sparling
 110, Stephenson
 110, Swick
 111, Teller
 111, Turkopp
 111, Upperco
 112, Weiss
 112, White (1933)
 112, Wolfe
 112, Wolford
 112, Zahn
 113, Alfano
 114, Herdendorf
 114, Hylbert
 114, Kellenberger
 115, Smith, B. E.
 115, Smith, N. W.
 117, DeVito
 171, Fagerstrom
 194, Whilta
 207, Mefford
 209, Smith
 209, Streib (1969)
 210, Wilson, P.

Environmental geology

80, Elliott
 80, Henry
 80, Lee
 80, Quay
 81, Surblis
 81, Tokar
 81, Britt
 82, Kovacic
 83, Wolery
 86, Kalaitjis
 91, Garlauskas
 91, Mezga
 91, Nacht
 92, Smith
 93, Curtis
 97, Sun
 98, Wagner
 101, Clowers
 103, Foley
 104, Hayes
 106, Lemire
 107, Morgan
 109, Schultz
 110, Shaw
 110, Simpson
 113, Bobba

Ohio (continued)

Environmental geology (continued)

114, Hartke
 114, Hedges
 115, Picking
 115, Smith, N. W.
 115, Sowers
 115, Walker
 116, Minning
 117, DeVito
 117, Nied
 210, Wilson, P.

Geomorphology

General

57, Dollen
 79, Bain
 80, Keller, D. F.
 83, Focke
 85, Desjardens
 86, Hester
 87, Lorenz
 87, Mase
 90, Tritschler
 91, Gardner
 92, Smith
 92, Blackman
 101, Christopher
 101, Conley
 103, Goodman
 103, Gordon
 104, Humphris
 105, Kleinhampl
 107, Metter
 109, Richards
 109, Savoy
 111, Tinker
 112, White (1925)
 113, Current
 114, Fanaff
 115, Picking
 115, Sowers

Glacial

12, Baker
 14, Totten
 18, Frye
 33, Chapman
 35, MacLean
 81, Bugh
 81, Bush
 82, Evans
 83, Scadden
 83, Swanston
 86, Hester
 89, Teller
 90, Tritschler
 91, Butz
 91, Carothers
 91, Metzler
 92, Robinson
 92, Schultz
 92, Wittine
 92, Blackman
 93, Egler
 94, Goldstein
 97, Smith, J. M.
 97, Thomas, J. B.
 99, Baumiller
 100, Brown
 102, Fisher
 102, Flint (1946)
 102, Flint (1948)
 103, Forsyth
 103, Foster
 103, Franklin (1953)

Ohio (continued)

Geomorphology (continued)

Glacial (continued)

103, Franklin (1961)
 103, Gregory
 104, Janssens (1964)
 104, Jones
 105, Kelly
 105, Kempton
 106, McKeon
 108, Quinn (1972)
 108, Quinn (1974)
 108, Reutinger
 109, Rogers
 109, Rosengreen
 110, Schuster
 110, Shaffer
 110, Swick
 111, Teller
 112, White (1933)
 113, Bossong
 114, Kantner
 115, Stonestreet
 116, Camp

Geophysics

17, Renick
 33, Bussey
 36, Willis
 87, Miller
 88, Sappenfield
 98, Ahern
 99, Batsche
 100, Boster
 100, Careaga
 103, Greaney
 106, Martin, D. L.
 106, Mayhew
 111, Tobin
 112, Zahn
 117, Contrino
 117, Flaughner
 117, King

Hydrogeology

General

3, Spieker
 81, Van Deventer
 90, Welsh
 91, Carothers
 91, Mezga
 93, Chang
 93, Curtis
 98, Allong
 104, Hayes
 109, Schultz
 111, Tuller
 113, Elbakhbkh
 118, Viste
 Ground water
 15, Winslow
 80, Elliott
 80, Henry
 80, Quay
 91, Butz
 91, Mezga
 92, Robinson
 92, Schultz
 92, Stanley
 92, Wells
 99, Baranovic
 100, Boster
 101, Caswell
 101, Clifford
 104, Hines
 110, Shaw
 110, Simpson
 111, Thompson

Ohio (continued)

Hydrogeology (continued)

Ground water (continued)

111, Tuller
113, Blackie
113, Bobba
113, Current
113, Elbakhbkhii
114, Hartke
114, Hedges
115, Nelson
116, Minning
116, Rowland
116, Sikora
117, Winegardner
117, Gephart
117, Maxfield
118, Riggsbee

Lakes

80, Lee
80, Manner
81, Williams
82, Kovack
91, Buller
92, Otterson
92, Wittine

Streams

91, Gay
93, Curtis
102, Eastin
104, Hulman
111, Tuller
112, Williams
114, Hartke

Igneous rocks

103, Conterman
106, McCormick

Metamorphic rocks

103, Conterman
106, McCormick

Mineral deposits

General

99, Arkle
100, Botoman
100, Bowen, G. H. (1952)
107, Multer
115, Nelson
115, Smith, B. E.
196, Hayes

Organic materials

Coal

80, Elliott
80, Henry
113, Bobba
114, Hartke
114, Hedges
120, Gow
204, Denton
209, Smith

Oil and gas

34, Lizotte
53, Munsart
101, Cummins
105, Kinzelman
110, Shaw
112, Wharton
118, Dolly
118, Knight

Nonmetals

51, Morrison
81, Brutvann
89, Schaleman
90, Tucker
100, Bruce
115, Oinonen
116, Swemba

Ohio (continued)

Stratigraphy

General

19, Vorhis
34, Crick
34, Duggan
35, Newman
35, Parker
35, Pi-Sunyer
35, Rector
36, Woodhams
97, Strete
99, Baroffio
100, Botoman
101, Crombie
103, Grimsley
104, Janssens (1967)
105, Kaufmann
115, Walker

Precambrian

103, Conterman
106, McCormick

Cambrian

32, Benedict
118, Dolly
202, Baker

Ordovician

12, Richards
13, Guber
15, Karstrom
17, Anstey
17, Hatfield
17, Moore
18, Utgaard
32, Benedict
33, Richtmyer
33, Stelzer
33, Whiting
34, Lizotte
84, Aronoff
84, Bass
84, Bassarab
84, Bell (1966)
84, Bell (1972)
84, Branstrator
84, Braun
85, Bruns
85, Carpenter
85, Conaster
85, Foreyth
86, Hall
86, Harmon
86, Huff
86, Hyde
87, Lattman (1951)
87, Meyer
88, Osgood
88, Pogue
88, Pojeta
88, Pope
89, Schweinfurth, M. F.
89, Shaw
89, Singh (1966)
89, Singh (1971)
89, Stephens, M. A.
89, Taylor
90, Van Fossen
90, Warn (1971)
90, Warn (1974)
90, Warshauer (1969)
90, Warshauer (1973)
92, Baptista
92, Bayha
92, Bergman
93, Brownstein
93, Butler

Ohio (continued)

Stratigraphy (continued)

Ordovician (continued)

93, Cody
94, Farber
94, Fitzpatrick
94, Freas
94, Garrison
94, Gotautas
94, Crygo
95, Kanizay
95, Kramer
95, Kuder
95, Lee
95, Lind
96, Magaw
96, Maurer
96, McCormick
96, Nietert
96, O'Brien, J. M.
96, Raymond
97, Shade
97, Thomas, H. F.
98, Thompson, D. R.
98, Thompson, E. H.
98, Weidner
98, Wetzel
98, Yang
98, Ali
102, Edwards
103, Hariharan
105, Kinzelman
105, Kohut
106, McLish
108, Norman
108, Osborne
108, Pulse
110, Sharp
111, Turco
112, Votaw
112, Warner
112, Wharton
112, Wilkie
168, Puchstein

Silurian

16, Warn
17, Manning
34, Kerr
35, Perry
35, Rogers
36, Truettner
51, Morrison
53, Munsart
62, Childs
82, Floyd
85, Brown
85, Edwards
85, French
86, Harrison
87, Mallin
88, O'Donnell
90, Warn (1974)
94, Gerrard
95, Kanizay
99, Baranovic
100, Bowman
100, Busch (1939)
101, Cooper
104, Hellert
104, Hopkins
104, Horvath
105, Kovach
105, Lamborn
107, Mikan
107, Miller
107, Mohr

Ohio (continued)

Stratigraphy (continued)

Silurian (continued)

108, O'Rourke
 108, Pennell
 108, Priddy (1938)
 109, Schillhahn
 111, Tremba
 113, Bakush
 115, Msek
 115, Oinonen
 116, Minning
 116, Rowland
 116, Sikora
 116, Swemba
 117, Winegardner
 118, Knight
 160, Jones
 212, Ultig

Devonian

17, St. Jean
 18, Baker
 34, Kerr
 35, May
 35, Peterson
 35, Rogers
 36, Tillman
 36, Truettner
 36, Boneham
 73, Murphy
 81, Bailey
 82, Cunningham
 82, Keller
 82, Louden
 85, Brown
 89, Seyfried
 89, Stephens, J. G.
 99, Bond
 100, Bownocker
 101, Chapel
 102, Dow
 103, Gable
 103, Creaney
 104, Hendrix
 104, Jackson
 105, Karhi
 106, Martin, D. L.
 107, Moore
 107, Moses
 108, Ramsey
 108, Rehn
 109, Schillhahn
 110, Schwietering
 110, Stauffer
 110, Struble
 112, Van Horn
 116, Rowland
 116, Sikora
 116, Skrzyniecki
 116, Swemba

Mississippian

11, Holden
 14, Nelson
 16, Vail
 19, Manger
 20, Kiskanen
 33, Eames
 34, Joity
 82, Jaycox
 82, Lené
 83, Myers
 89, Single
 90, Wilson
 91, Barclay
 91, Lahola
 100, Bowen, A. S.

Ohio (continued)

Stratigraphy (continued)

Mississippian (continued)

100, Bruce
 100, Careaga
 102, Fagadau
 103, Friedman
 105, King
 107, Morse
 108, Pinker
 109, Rodriguez
 109, Scatterday
 111, Swick
 111, Szmuc
 111, Szmuc
 112, Uttley
 112, Winslow
 115, Vargas

Pennsylvanian

12, Baroffio
 19, Morris (1961)
 19, Morris (1967)
 26, Flores
 27, Roberts
 27, Saxena
 27, Zimmerman
 38, Taber
 80, Franks
 82, Ferrall
 82, Hoare
 82, Meyer
 83, Ottum
 83, Peterson
 83, Updegraff
 87, McClure
 88, Phillips
 91, Mrakovich
 92, Stanley
 92, Wells
 100, Bowen, C. H. (1952)
 100, Bradley
 101, Caswell
 101, Couch
 101, Couch
 101, DeFeu
 103, Gray
 105, Lamb
 105, Laubach
 106, Mark
 106, Marple
 107, Multer
 110, Smyth
 110, Sturgeon
 111, Teflian
 111, Turkopp
 113, Baker, G. O.
 113, Baker, H. A.
 113, Bjurstrom
 113, Bush
 113, Colson
 113, Couchot
 114, Fasset
 114, Haines
 114, Hansen
 114, Hoge
 114, Khalaf
 114, Kozusko
 114, Lee
 114, Lipp
 115, Lovrak
 115, Neff
 115, Turrill
 116, Webb
 116, Windle
 120, Gow
 166, Mahoney

Ohio (continued)

Stratigraphy (continued)

Pennsylvanian (continued)

186, Merrill
 204, Denton
 206, Hoover
 209, Smith
 211, Bebout
 Permian (?)
 87, Martin, W. D.
 95, Healy
 95, Henninger
 95, Lambert
 96, Lorenz
 96, Lynn
 96, Mushake
 96, O'Brien, D. C.
 97, Stearns
 97, Swinchart
 97, Thompson
 98, Thoms
 115, Thompson
 206, Malone
 217, Vemuri
 Pleistocene
 12, Baker
 12, Droste
 13, Heath
 13, Moran
 14, Sitler (1955)
 14, Totten
 18, Frye
 34, Gacek
 35, Ross
 81, Bugh
 81, Bush
 82, Evans
 83, Scadden
 83, Swanston
 84, Breene
 85, Ettensohn
 89, Schaleman
 90, Tucker
 92, Wittine
 92, Blackman
 93, Brace
 93, Coppinger
 94, Goldstein
 94, Guccione
 95, Kahle
 97, Smith
 97, Thomas, J. B.
 98, Watson
 98, Wright
 99, Aukeman
 99, Baumiller
 100, Brown
 101, Clark
 101, Clowers
 101, Conley
 102, Fisher
 102, Flint (1946)
 102, Flint (1948)
 103, Forsyth
 103, Gregory
 104, Janssens (1964)
 104, Jones
 105, Kelly
 105, Kempton
 106, McKeon
 107, Moos
 107, Mowery
 108, Quinn (1972)
 108, Quinn (1974)
 108, Reutinger
 108, Reynolds

- Ohio (continued)
 Stratigraphy (continued)
 Pleistocene (continued)
 109, Rogers
 109, Rosen
 109, Rosengreen
 110, Schuster
 110, Shaffer
 110, Sheatsley
 110, Swick
 111, Teller
 112, White (1933)
 112, Zimmerman
 113, Birkhimer
 113, Bossong
 113, Current
 114, Kantner
 115, Stonestreet
 116, Camp
 117, Contrino
 117, Henry
 117, Jehn
 Holocene
 17, Friberg
 34, Gacek
 35, Ross
 83, Schrecongost
 84, Benson
 84, Breuer
 85, Cottrill
 85, Doroshenko
 86, Kalaitjis
 89, Schaleman
 90, Tucker
 101, Christopher
 103, Goodman
 103, Gordon
 104, Humphris
 105, Kleinhampl
 107, Metter
 109, Richards
 109, Savoy
 116, Hopfinger
 Structural geology
 35, MacLean
 86, Galbraith
 86, Keller
 88, Reidel
 88, Sappenfield
 99, Baroffio
 102, Erickson
 104, Janssens (1967)
 105, Kantrowitz
 106, Mayhew
 107, Multer
 110, Seik
 111, Tobin
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 Ontario
 Areal geology
 17, Gravenor
 34, Craig
 35, MacLean
 219, Boyd
 219, Burns, C. A.
 219, Clow
 220, Conybeare
 220, Freeze
 221, Hunt
 221, Jamieson
 221, McBean
 221, Morey
 222, Scott
 222, Scaers
 222, Vandine
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 222, Walsh
 224, Gale
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 218, Wasilenchuk
 221, Johnston, L. M.
 221, Morey
 222, Scott
 223, Smith
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 219, Carson
 221, Martin
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 216, Bourque
 216, Costello
 216, Eynon
 217, Hurst
 217, Storey
 219, Carson
 221, Martin
 222, Vandine
 224, Knox
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 219, Benmer
 219, Campbell, W. S.
 220, Cowie
 220, Glenn
 220, Halladay
 221, McBain
 221, McLean
 222, Stevens
 223, Worsfold
 223, Binh
 224, Eclibet
 224, Gurkhan
 224, Judge
 225, McRath
 225, Plaut
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 219, Carter
 221, Pollok
 223, Novakovac
 223, Sinclair
 223, Smith
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 214, Grimes-Graeme (1932)
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 216, Cheung
 217, Kwong
 222, Wilson
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 221, Martin
 221, Pedersen
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 34, Garvey
 34, Lizotte
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 35, Schultz and Jurko
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 219, Bawden
 219, Clarke
 220, Cole
 220, Dix
 220, Forrest
 221, McIlreath
 222, Tuer
 222, Turner
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 106, Lewis
 220, Findlay
 220, Forrest
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 220, Forsyth
 220, Hart
 222, Sitter
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 19, Hyeno
 33, Lehtola
 34, Liddell
 34, Lizotte
 42, Cameron
 45, Pitcher
 52, Winder
 109, Schopf
 216, Candy
 217, Spurgeon (1954)
 218, Barnes
 218, Steele
 219, Balkwill
 219, Bawden
 219, Blasdale
 219, Burns, D. R.
 219, Campbell, F. A.
 219, Carter
 219, Cathcart
 219, Clarke
 220, Cole
 220, Dix
 220, Forrest
 220, Frape
 220, Gibson
 220, Glenn
 220, Hornbrook
 221, Maycock
 221, MacBroom
 221, McIlreath
 221, Pemberton
 221, Peterson
 222, Rainboth
 222, Sargent
 222, Savigny
 222, Sharp
 222, Tomlinson
 222, Whillans
 222, Wise
 223, Young
 224, Lee
 225, Mukherji
 Silurian
 63, Dwornik, S. E.
 67, Nairn
 151, Hambleton
 216, Angold
 216, Candy
 216, Cheung
 217, Gietz
 217, Kwong
 217, Martini
 217, Prasad
 217, Spurgeon (1954)
 217, Spurgeon (1955)
 217, Teeter
 218, Yeo
 220, Huff
 224, Chiang
 224, Hughes
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 32, Erickson
 34, Fagerstrom
 34, Grieve
 35, Melik
 35, Peterson
 36, Tillman
 39, Diffendal
 118, Legault

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 211, Best
 217, Low
 217, Spurgeon (1954)
 224, Ferrigno
 224, Mason
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 17, Cravenor
 34, Craig
 34, Gacek
 99, Bickel
 216, Bourque
 216, Costello
 216, Eynon
 217, Hurst
 217, Pinch
 217, Storey
 221, Johnston, A. W.
 221, Martin
 221, Pedersen
 222, Vandine
 223, Barnett
 223, Berti
 224, Cook
 224, Feenstra
 224, Gunn
 224, Cwyn
 224, Knox
 225, May
 225, McKenzie
 225, Vagners (1966)
 225, Vagners (1970)
 Holocene
 34, Gacek
 218, Watts
 218, Witteman
 218, Wasilenchuk
 219, Bowlby
 221, Johnston, L. M.
 222, Wilson
 223, Woodward
 223, Smith
 225, Risk
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 219, Bawden
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 219, Clarke
 221, McIlreath
 221, Peterson
 222, Savigny
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 223, Brigham
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 2, Toulmin
 37, Rogers
 48, Farrington
 89, Schweinfurth, S. P.
 148, Channabasappa
 154, Neavel
 159, Gibbs
 161, Lusk
 205, Heck (1942)
 209, Streib (1972)
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 165, Flessa
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 Anthozoa (corals)
 4, Buchler
- Paleontology (continued)
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 Anthozoa (continued)
 39, Giraud
 50, Laub
 51, Oliver (1950)
 51, Ross
 59, Payne
 62, Caramanica
 62, Kraemer
 63, Buchler
 68, Bolton
 87, Meyer
 100, Busch (1936)
 113, Colson
 142, Sappelli
 166, Lane
 211, Bebout
 215, McGregor
 Archeocyatha
 165, Balsam (1969)
 165, Balsam (1973)
 Arthropoda
 Eurypterida
 44, McConnell
 60, Sarle
 64, Heubusch
 Trilobitomorpha
 11, Hessler
 29, Ohern
 31, Shaw
 39, Best
 43, Eldridge
 66, Schwimmer
 75, Vere
 139, Ewald
 218, Bertrand
 Brachiopoda
 4, Berdan
 4, Cloud
 4, Cumings
 4, Greiner
 5, Raymond
 12, Richards
 17, Mauck
 17, McEwan
 30, Bowen
 34, Duane
 36, Tillman
 41, Boreske
 45, Salmon
 47, Chen
 49, Harrington
 57, Chadwick
 58, Grosvenor
 58, Hoskins
 64, Geitzenauer
 64, Janowsky
 64, Jones
 84, Bass
 84, Braun
 86, Hall
 86, Harmon
 86, Holland
 88, Pope
 89, Shaw
 89, Stephens, M. A.
 93, Distler (1967)
 93, Distler (1972)
 94, Fitzpatrick
 95, Kramer
 105, Kovach
 138, Cortazzo
 141, McDowell
 142, Shollenberger
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 143, Wilcoxson
 148, Bye
 154, Percival
 164, Makurath
 166, Lane
 168, Puchstein
 174, Jones, M. L.
 178, Parker
 216, Bray (1971)
 224, Chiang
 Bryozoa
 6, Collier
 8, Buzarde
 8, Cappel
 11, Coryell
 12, Boardman
 17, Anstey
 17, Brown
 17, Moore
 18, Utgaard
 25, Reeves
 33, Delmet
 37, Martin
 43, Cutler
 78, McKinney
 79, McKinney, F. K.
 82, Meyer
 87, Nye
 88, Pohowsky
 89, Singh (1971)
 90, Van Fossen
 90, Ward
 93, DeWys
 98, Thompson, D. R.
 98, Yang
 187, Suter
 193, Suter
 Echinodermata
 Unspecified
 29, Ohern
 34, Liddell
 Asteroidea
 84, Branstrator
 Crinoidea
 18, Burdick
 32, Berry
 35, McIntosh
 52, Warren
 75, Veinus
 90, Warn (1971)
 90, Warn (1974)
 Cyclocystoidea
 98, Tucker
 Cystoidea
 165, Stephenson
 Echinoidea
 82, Ferrall
 119, Bonnett
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 84, Bell (1966)
 84, Bell (1972)
 88, Pogue
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 89, Taylor
 174, Hofstetter
 174, Jones, M. L.
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 29, Ohern
 99, Aukeman
 99, Bickel
 101, Clark

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107, Mowery
108, Reynolds
110, Sheatsley
112, Zimmerman
116, Camp
154, Percival
155, Richardson
218, Steele
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4, McAlester
12, Bailey
82, Kindt
86, Harrison
88, Pojeta
88, Rau
159, Doney
Cephalopoda
57, Cottrell
84, Aronoff
85, Flower
116, Windle
155, Richardson
Gastropoda
35, Meyer
82, Hoare
98, Thompson, E. H.
99, Aukeman
99, Bickel
101, Clark
101, Clowers
107, Mowery
108, Reynolds
110, Sheatsley
112, Zimmerman
114, Lee
116, Webb
116, Camp
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91, Cooper
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148, Butler
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17, St. Jean
73, Pullen
82, Keller
213, Berry
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88, Osgood
121, Jones
166, Hassler
218, Yeo
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Unspecified
92, Bergman
93, Cody
96, Runge
100, Bowen, A. S.
118, Bordeau
174, Hewitt
179, Ratliff (1968)
214, Husain
224, Mason
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13, Morrison
32, Erickson
32, Fisher
32, Hulsman
32, Rotan
49, Hodgson

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166, Saunders
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7, Chaiffetz
7, Goldstein
36, Boneham
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8, Carter
8, Johnson
8, Labowski
8, Ruppel
18, Barnett
19, Uyeno
20, MacGill, R. A.
21, Slone
24, McCulloch
27, Merrill
38, Ryan
38, Shore
51, Saari
52, Schleh
57, Gartland
76, Horne
78, Curran
89, Singh (1966)
91, Lahola
99, Bond
101, Carnes
101, Cooper
102, Epstein, A. G. F.
102, Fetzer
103, Gable
105, Kohut
106, McLish
108, Pulse
108, Ramsey
109, Roscoe
109, Scatterday
109, Schopf
111, Turco
112, Votaw
112, Warner
112, Wilkie
165, Tipnis
186, Clarke
186, Merrill
190, Helfrich
192, Ouchark
194, Wigley
218, Barnes
218, Mayr
224, Ferrigno
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37, Hayes
50, Moore
85, Conkin
110, Smyth
162, Norton
212, Wray
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2, Newton
4, Berdan
9, Gould
13, Guber
16, Stewart
35, Melik
35, Peterson
36, Coley
40, Horton
45, Sohn

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57, Campbell
60, Sachs
60, Smith, M.
61, Stover
76, Pierce
90, Warshauer (1969)
90, Warshauer (1973)
94, Gotautas
96, Magaw
104, Hendrix
106, Marple
147, Aivano
154, Nickey
156, Sohn
156, Swain
157, Whitmore
160, Holland
174, Jones, M. L.
197, Rader
213, Carter
217, Teeter
Palynomorphs
3, Curry
12, Cropp (1956)
12, Cropp (1958)
20, Neal
32, Rotan
33, Eames
36, Boneham
112, Winslow
120, Hassell
121, McCabe
121, Moir
122, Senzik
150, Fredericksen
151, Groth, L. M. W.
151, Groth, P. K. H.
151, Habib
155, Riffelmacher
156, Stingelin
157, Warg
168, Avignone
171, Darrell
174, Jones, M. L.
203, Clendening
203, Collins
209, Schemel
212, Peterson
223, Berti
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94, Crygo
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14, Niklas
36, Boneham
55, Owen
142, Sibal
164, Manns
165, Halley
218, Guilbault
220, Frappe
222, Sargent
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3, Cornet
3, Gensel
47, Crieron
48, Fernow (1956, Senior thesis)
49, Hueber (1959)
49, Hueber (1960)
50, Matten
140, Langanke
161, Miklaussen

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167, Weston

169, Barlow

205, Hinner

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4, Bretsky

5, Thayer

5, Walker

12, Richards

12, Bailey

13, Fisher, J. H.

15, Lorenz

27, McKee

27, Roberts

34, Fagerstrom

34, Liddell

35, Meyer

38, Shore

39, Bamford

44, McConnell

48, Fernow

49, Harrington

52, Winder

54, Sulenski

55, Lindemann

55, Owen

55, Porter

56, Baird

57, Cottrell

58, Hoffman

60, Saas

61, Woodrow

62, Caramanica

63, Boehme

69, Eggleston

75, Vere

76, Reeves

77, Diccchio

78, McGhee

81, Busanus

83, Ottum

83, Peterson

89, Schweinfurth, M. F.

101, DeFeu

113, Baker, G. O.

114, Lipp

115, Lovrak

126, Flory

129, DeWindt

139, Hait

140, Henry

142, Sappelli

142, Sibal

159, Gavenda

163, Shaak

164, Flory

164, Makurath

165, Stephenson

165, Balsam (1973)

165, Eby

165, Epstein (1971)

166, Mercarini

168, Stanley

171, Ferrigno

175, LaFollette

178, Parker

185, Zurawski

186, Broadhead

216, Bray (1969)

216, Bray (1971)

221, Pemberton

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33, Lehtola

42, Boylan

84, Branch

95, Kelsey

129, DeWindt

158, Bender

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5, Pierce

13, Kidda

14, Sitler (1957)

15, Barnes and Foose

15, Foose and Barnes

19, Patton

30, Weaver

30, Cleaves

34, Geyer

35, MacLean

36, Trexler

40, Shaw

40, Muskatt

42, Alterman

43, Curtis

47, Burroughs

48, Fox

96, Ohotnicky

102, Epstein, J. B.

118, Armstrong

119, Benthin

119, Case

119, Dykes and Riotte

120, Fellows

121, Klefer

121, Marchi and Ross

121, Matthews

122, Osmer and Severn

122, Riotte and Dykes

122, Ross and Marchi

122, Secoy and Watrous

122, Severn and Osmer

123, Topp

123, Watrous and Secoy

123, Hollis

124, Boyer

125, Means

125, Rasmussen

126, Aaron

126, Aleu

127, Al-Mishwt

127, Anderson

127, Back

127, Banks

127, Bard

127, Bartel

127, Bary

127, Batzer

127, Bender

127, Bertz

127, Bleiwiss

127, Boekenkamp

127, Boettcher

127, Bowman

127, Bricker

128, Brown, C. E.

128, Brown, J. M.

128, Broz

128, Burtner

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128, Bryson

128, Calamari

128, Carr

128, Centini

128, Chapel

128, Clancy

128, Clark

128, Colavito

128, Cole

128, Collins

129, Conlin

129, Cook

129, Copeland

129, Courtney

129, Cremer

129, Cresswell

129, Crouse

129, Curran

129, Dawson

129, Day

129, Dicke

129, Diehl

129, Diffenbach

129, Diffendal

129, Dimock

130, Doman

130, Eby

130, Ellor

130, Elmer

130, Feden

130, Fielding

130, Flinchbaugh

130, Foord

130, Forth

130, Garhan

130, Gerlin

130, Gibbons-Neff

131, Gilliard

131, Gillies

131, Glaeser

131, Glick

131, Grannell

131, Grauch

131, Grauch

131, Groening

131, Haefner

131, Hall

131, Helf

131, Hench

131, Henderson

132, Hendrix

132, Herbst

132, Hess

132, Heyn

132, High

132, Houpt

132, Hovis

132, Johnson

132, Jordan

132, Kaufman

133, Kepper

133, Kier (1965)

133, Kistler

133, Kranz

133, Kruger

133, Lane

133, Lehman

133, Lewis (1970)

133, Little

133, Maclintock

134, Marshall

134, Martin, D. B.

134, Martin, D. L.

134, Mathez

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134, Matz
 134, McKelvey
 134, McNurtrie
 134, Miller, J. F.
 134, Miller, W. L.
 134, Minnick
 134, Mortensen
 134, Musser
 135, Nagle
 135, Newcomb
 135, Noll
 135, Okuma
 135, Onasch
 135, O'Neill
 135, Randall
 135, Reedy
 135, Revell
 135, Richards
 135, Rios
 135, Satterthwaite
 135, Schamel
 135, Scott
 136, Shelly
 136, Skerlec
 136, Smith
 136, Strumpf
 136, Tucker
 136, Villaume
 136, Wenzel
 136, White
 137, Feather
 137, Asch
 138, Burcin
 138, Dilks
 138, Eberts
 139, Erb
 140, Kessler
 140, Kostenbader
 141, McQuilkin
 141, Mercier
 141, Miller
 141, Norwood
 141, Parker, C.
 141, Piatt
 141, Piper
 141, Prusok
 142, Reynolds
 142, Rhodes
 142, Sebolt
 142, Smith
 142, Springer
 142, Stewart
 143, Stroud
 143, Swanson
 143, Van Ness
 143, Barrell
 143, Bartlett
 143, Bellerjeau
 144, Burke
 144, Burns
 144, Derrance and Farrell
 144, Farrell and Derrance
 144, Graham
 145, Lein
 145, Lessentine
 145, Long
 145, Lutsey
 145, MacFayden
 145, O'Brian and Wilkens
 145, Rader
 146, Trexler
 146, Wilkens and O'Brian
 146, Fish
 146, Martin

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147, Aaron
 147, Ayers
 147, Barbarosa
 147, Brinkley
 149, Eby
 149, Farlekas
 149, Fauth (1962)
 149, Fauth (1967)
 150, Flueckinger
 150, Gardner
 151, Horne
 151, Jarmell
 152, Knowles
 152, Lane, M. V.
 153, Lifschutz
 153, Matzke
 153, McGlade
 153, Neiser (1971)
 153, Miller
 154, Okuma
 154, O'Leary
 154, Poth
 155, Rankin
 155, Shank
 156, Thamm
 157, Wells
 157, Zeller
 158, Boyd
 158, Cobucci
 158, Cooley
 159, Eaton
 160, Kohler
 160, Kuhn
 162, Park
 162, Radisi
 163, Schramm
 163, Timko
 163, Trump
 164, Wilson
 194, Ditty
 194, Dunbar
 194, Heury
 194, Kennedy
 207, Hefford
 207, Merritt
 208, Norwood
 208, Robinson
 209, Simms
 210, Twigg
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 94, Fisher
 111, Uhrin
 121, Molr
 122, Redding
 124, Dean and Monahan
 124, Goldfarb
 125, Grabowski
 125, Monahan and Dean
 125, Quant
 131, Gresh
 133, Lewis (1974)
 146, Stingelin
 147, Brown
 148, Caruccio (1963)
 148, Caruccio (1967)
 149, Eby
 150, Good
 151, Horne
 152, Lane, B. E.
 158, Ackenheil
 164, Winters
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 5, Pierce

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15, Kauffman
 16, Dinga
 16, Gardner
 30, Brush
 31, Peltier
 44, Itter
 45, Smith
 46, Ver Steeg
 47, Burroughs
 57, Dollen
 62, Kowall
 87, Lorenz
 111, Uhrin
 119, Bollenbacher
 119, Chedester
 119, Clemens
 120, Ellis
 120, France
 120, Harrison
 120, Hull
 121, Loeb
 121, Miller
 122, Phythyon
 122, Redding
 122, Rehm
 122, Smith
 123, West
 125, Means
 125, Nauman
 126, Namie
 126, Hoffman
 128, Cadwell
 130, Dorsey
 133, Kler (1965)
 133, Lane
 137, Bretsky
 138, Carpenter
 138, Caswell
 138, Cavanaugh
 138, Cromwell
 139, Figuers
 139, Fritz
 141, Piper
 142, Smith
 143, Stroud
 143, Swanson
 143, Wall
 143, Bartlett
 144, Burns
 148, Bucek
 148, Ciciarelli
 150, Garihan
 151, Hedberg
 154, O'Leary
 156, Troutt
 158, Ackenheil
 158, Bender
 160, Kohler
 164, Winters
 194, Ditty
Glacial
 14, Sittler (1957)
 31, Peltier
 35, Maclean
 44, Itter
 57, Dollen
 75, Tomikel
 118, Armstrong
 119, Brooks
 119, Bueger
 119, Dekay
 120, Ellis
 120, Harrison

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120, Howk
120, Johe
121, Miller
122, Schnack
123, Topp
123, Willson
125, Smith
126, Namie
134, Mavraganis
139, Eisenbeis
139, Elberti
139, Francavillese
141, Parker, C.
141, Piper
142, Springer
143, Barrell
147, Brinkley
148, Bucek
153, Lifschutz
156, Troutt
157, Wells

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39, Phillips
59, Muller
60, Revetta
98, Ahern
104, Hower
135, Seymour
136, Voegeli
141, Phillips
144, Hershey
144, Kell
147, Ackermann
147, Ansari
149, Coleman
149, Cook
149, Daecker
149, Ebaugh
150, Ghafter-Adley
150, Gross, G. W.
151, Jarmell
153, Miller
155, Rankin
155, Ross
155, Shank
157, Vosoff
162, Pollak

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62, Kowall
126, Hoffman
127, Bender
149, Eby
150, Giddings
152, Konikow
152, Krothe
153, Meiser (1971)
154, Mooreshead
154, Poth
207, Merritt

Ground water

62, Ginsburg
125, Raasmussen
133, Kelly
147, Ansari
147, Brown
148, Caruccio (1963)
148, Caruccio (1967)
148, Cline
149, Eby
152, Konikow
152, Krothe
152, Landon

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152, Lane, B. E.
153, Meiser (1975)
154, Mooreshead
155, Siddiqui
156, Smith, R. E.
160, Hull
202, Bower
Streams
30, Brush
94, Fisher
120, Hull
122, Redding
124, Dean and Monahan
124, Goldfarb
125, Monahan and Dean
131, Gresh
138, Cavanaugh
150, Garihan
150, Giddings
152, Konikow
152, Krothe
154, Mooreshead
207, Merritt

Igneous rocks

104, Hower
116, Perkins
125, Wasiolek
130, Gerhart
130, Gianfortoni
136, Voegeli
139, Flocks
139, Francis
140, Ludlum
141, Nagle
145, Ryan
150, Graeber
152, Lanning
162, Pimentel

Metamorphic rocks

123, Bliss
124, Weiss
125, Wasiolek
127, Bottner
129, Diehl
130, Flinchbaugh
130, Gerhart
130, Gianfortoni
137, Austin
138, Brown
138, Cocker
138, Conti
138, Dilks
162, Park

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132, Hendrix
157, Zeller

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Copper

41, Slaughter
130, Gianfortoni

Iron

28, Hunter
47, Ellison
124, Marsters
126, Hozik
126, Wolfe
129, Derry
144, Fraim
144, Getz
145, McCaskey
157, Travis

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146, Talmage
Manganese
148, Chase
Nickel
150, Good
Zinc
126, Evinger
141, Pollock
146, Talmage

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Barite
146, Tooker
Bloating shales
153, Lithgow

Clay

147, Bragonier
149, Falla
151, Holbrook
153, McCarl

Flagstone

152, Krajewski

Gravel

147, Bolling

Limestone

34, Ceyer
144, Busk
144, Herr

Slate

11, Behre

Organic materials

Coal

3, Zink
13, Kidda
147, Bayer
148, Caruccio
148, Channabasappa
153, Middleton
154, Neavel
155, Reidenouer
156, Ting
157, Warg
157, Williams
158, Billings
159, French
159, Gibbs
161, Lusk
206, Kerns

Oil and gas

38, Fary
89, Schweinfurth, S. P.
120, Grunau
123, Wright
153, Metz
154, Modarrest (1961)
155, Russell
158, Cahn
158, Dana
159, Gibbs
160, James
160, Lanning
163, Thomas
164, Wing
202, Bower

Peat

120, Hassell
122, Senzik
133, Lane
144, Callaghan

Uranium

44, McCauley
144, Lawall and Prot-
seller

Pennsylvania (continued)

Mineral deposits (continued)

Uranium (continued)

145, Protseller and La-wall)

152, Klemic

Stratigraphy

General

47, Burroughs

96, Ohotnicky

119, Case

121, Jones

130, Eby

138, Eberts

139, Erb

140, Kostenbader

141, Piatt

142, Smith

143, Stroud

159, Ewing

164, Wilson

218, Williams

Precambrian

125, Wasiolek

136, Villaume

138, Dilks

141, Mercier

142, Sebolt

162, Park

164, Hyde

164, Murphy

Cambrian

11, Hills

15, Henderson

49, Grant

51, Sadler

120, Grunau

123, Bliss

128, Campbell

132, Hohl

132, Kauffman

133, Kler (1967)

133, Love

134, Meyers

136, Shelly

136, Yeakel

140, Hellstrom

140, Hills

141, Mercier

142, Sebolt

142, Sibal

142, Stevens

144, Buie

145, Meyers

145, Peterson

152, Landon

154, Pelto

156, Smith, R. E.

156, Tasch

157, Storm

159, Engman

160, Latshaw

161, Macpherson

161, Moser

162, Rieg

164, Werner

164, Hyde

Ordovician

4, Bretsky

6, Loring

6, Papaspyros

7, Stephens

11, Hills

18, Barnett

28, McBride

29, Neuman

Pennsylvania (continued)

Stratigraphy (continued)

Ordovician (continued)

30, Field

31, Mosley

31, Willard

32, Chafetz

34, Geyer

36, Svetlich

38, Shore

40, Whitcomb

42, Alterman

42, Craig (1949)

44, Larsen, E. R.

49, Grant

51, Rogers

51, Sadler

54, Vargas

62, Kaplan

78, Laird

104, Hower

120, Grunau

123, Bliss

125, Pfann

126, Aldrich

126, Flory

126, Slingerland

126, Afolabi

136, Wise

138, Crawford

139, Pink

139, Frederickson

140, Henry

141, Nouza

143, Bregenback

144, Chamberlain

145, Ray

146, Sherwood

148, Butler

149, Donaldson

150, Folk (1950)

150, Folk (1952)

150, Gross, C. M.

151, Hobson

152, Lees

153, Macaulay

154, Nickey

154, Palacas

155, Roncs

155, Rosenkrans

155, Schneider

156, Thompson

156, Tuttle

157, Storm

160, Lanning

161, Macpherson

161, Messineo

162, Rieg

167, Thompson

186, Gates

Silurian

7, Stephens

28, Hunter

29, Tourek

30, Yeakel

30, Bowen

31, Mosley

31, Willard

39, Luttrell

51, Rogers

102, Epstein, A. G. F.

124, Hoskins

125, Settzo

126, Afolabi

138, Crawford

143, Bregenback

Pennsylvania (continued)

Stratigraphy (continued)

Silurian (continued)

156, Tuttle

157, Wintermute

160, Lacey

166, Head

Devonian

28, Kaiser

28, McIver

30, Bowen

30, Burtner

37, Dobbins

37, Nutter

37, Rogers

38, Fary

39, Phillips

41, Slaughter

41, Boreske

47, Brew

47, Ellison

50, King

54, Humphreys

61, Woodrow (1965)

73, Murphy

86, Holland

87, Laird

88, Rau

89, Schweinfurth, S. P.

102, Epstein, A. G. F.

119, Downer

120, Grunau

120, Jewell

121, Leet

123, Cameron and Hunt

123, Cathcart

124, Hunt and Cameron

125, Martino

125, Vaskov

137, Salmon

137, Schrock

138, Cortazzo

139, Ewald

140, Hoffman

141, McDowell

141, Mitchell

142, Sappelli

142, Shollenberger

142, Skou

143, Wilcox

144, Johnsen

145, McGucken

145, Read

146, Skinner

148, Bye

148, Cathcart

149, Cobb

149, Ellison

150, Fisher

151, Haney

152, Krajewski

153, Menzie

153, Metz

154, Modarresl (1963)

154, Percival

155, Russell

156, Swain

156, Turley

157, Warg

157, Wintermute

158, Cahn

158, Dana

159, Eller

159, Hoffacker

160, Ingram

160, James

Pennsylvania (continued)
Stratigraphy (continued)

Devonian (continued)
160, Leeper
161, Leighton
164, Barwis
164, Flory
164, Makurath
166, Head
211, Dennison
218, Mayr
Mississippian
16, Vail
28, Adams
29, Pelletier
38, Narten
86, Holland
87, Laird
88, Rau
88, Sasa
119, Barsdate
119, Bonnett
119, Boyer
119, Downer
120, Jewell
121, Langman
121, Minor
121, Mocarski
122, Ralston
122, Schnack
122, Titus
125, Ussler
132, Holbrook
140, Langanke
152, Leonard
156, Terriere
157, Warg
158, Balsinger
160, Hogue
160, Leeper
161, McQuillin
162, Payne
163, Salver
204, Dodson
Pennsylvanian
12, Baroffio
15, Jackson
19, Morris (1967)
26, Cavaroc (1969)
27, Saxena
29, Meckel
38, Bolger
38, Narten
118, Barrows
120, Evans
120, Haacke
121, Laufer and Wigton
122, Patton
123, Wigton and Laufer
144, Chow
147, Bragonier
147, Brant
147, Bregenback
148, Caruccio (1967)
148, Channabasappa
149, Falla
149, Ferm (1948)
149, Ferm (1957)
150, Fredericksen
151, Groth, P. K. H.
151, Habib
153, Lithgow
153, McCarl
153, Middleton
155, Reidenouer
155, Riffelmacher

Pennsylvania (continued)
Stratigraphy (continued)

Pennsylvanian (continued)
155, Roberts
156, Smith, R. D.
156, Ting
157, Williams
158, Adams
158, Angerman
158, Balsinger
158, Billings
158, Burke
159, Demshar
159, Doney
159, Fleck
159, Frazier
159, Gavenda
159, Gibbs
160, Johnson
161, Lusk
161, McWilliams
161, Meyers
161, Miklausen
162, Newmyer
162, Norton
162, Ozol
162, Price
162, Raine
163, Ross
163, Sarg
163, Shaak
163, Sheafer
163, Theiss
163, Tindell
163, Weis
164, Winters
166, Mahoney
206, Hoover
206, Kerns
211, Hendrix
Permian (?)
95, Henniger
95, Lambert
96, Lorenz
96, Lynn
96, O'Brien, D. C.
160, Holland
206, Malone
Triassic
15, Glaeser
62, Ginsburg
76, Austin
123, Blackman
124, Pearre and Wulsch-
leger
124, Wulschlegler and
Pearre
137, Alcorn
137, Bartberger
138, Brown
138, Cocker
140, Kaplan
142, Raffay
142, Sebolt
143, Yare
153, Miller
155, Ross
157, Wanner
Tertiary
5, Pierce
Pleistocene
13, Gross
14, Sitler (1955)
14, Sitler (1957)
31, Peltier
118, Armstrong

Pennsylvania (continued)
Stratigraphy (continued)

Pleistocene (continued)
119, Brooks
119, Bueger
119, Dekay
120, Harrison
120, Howk
120, Hassell
120, Jolie
121, McCabe
122, Schnack
122, Senzik
123, Willson
125, Nauman
133, Kochei
133, Lane
134, Mavraganis
137, Baird
139, Eisenbels
139, Ebertti
140, Lewis
140, Leyden
141, Parker, C.
141, Piper
142, Springer
144, Callaghan
146, Martin
147, Brinkley
148, Bucek
150, Gardner
151, Groth, L. M. W.
153, Lifschutz
156, Stingelin
156, Troutt
157, Wells
158, Bender
160, Hull
Holocene
17, Friberg
119, Clemens
121, Ochsenbein
122, Redding
122, Rehm
122, Smith
125, Nauman
131, Gresh
133, Kochei
133, Lane
135, Seymour
136, Speldel
137, Bretsky
138, Cromwell
140, Kraybill
147, Adler
151, Groth, L. M. W.
151, Hedberg
152, Jobling
156, Stingelin
160, Hull
Structural geology
11, Hills
15, Henderson
29, Stevens
35, MacLean
36, Svetlich
40, Shaw
40, Muskatt
42, Alterman
48, Fox
78, Laird
79, Straley
104, Hower
119, Brock
119, Case
119, Clendenin

Pennsylvania (continued)

Structural geology (continued)

120, Eaton
 121, Kiefer
 121, Matthews
 123, Dewees and Sutton
 123, Feden
 124, Lutz
 124, Sutton and Dewees
 124, Boyer
 124, Crandon
 125, Means
 125, Smith
 125, Vaskov
 125, Vernon
 126, Aldrich
 129, Diehl
 130, Flinchbaugh
 131, Grannell
 134, Mathez
 135, Schamel
 136, Sheppard
 136, Skerlec
 136, Villaume
 136, Voegeli
 137, Salmon
 137, Asch
 137, Bartherger
 138, Burcin
 138, Dilks
 138, Eberts
 139, Erb
 139, Figuers
 139, Fink
 139, Frederickson
 140, Hills
 140, Kaplan
 140, Kessler
 140, Kostenbader
 141, Mercier
 141, Miller
 141, Norwood
 141, Piatt
 142, Raffay
 142, Sebolt
 142, Smith
 142, Stevens
 143, Stroud
 143, Van Ness
 144, Kell
 145, Peterson and Skinner
 146, Sherwood
 146, Stephenson
 146, Capen
 146, Fish
 147, Ayers
 148, Ciciarelli
 148, Cline
 151, Hough
 152, Kowalik
 153, Matzke
 153, Miller
 154, O'Leary
 154, Powdywocki
 155, Ross
 155, Siddiqui
 157, Zeller
 159, Ebright
 159, Ewing
 161, Miles
 163, Roeder
 164, Wilson
 165, Groshong
 167, Roberts
 194, Henry
 206, Kerns

Petrology

Igneous petrology

6, Goett
 8, Popek
 20, Bolivar
 25, Sandefur
 38, Isachsen
 40, Davidson
 40, Kamilli
 40, Levy
 50, Kadlec
 64, Foster
 69, Clark
 71, Hogeboom
 73, Myers
 75, Van Tyne
 77, Harvey
 83, Lukert
 95, Haupt
 103, Gonterman
 116, Perkins
 145, Ryan
 146, Stephenson
 150, Graeber
 152, Lanning
 170, Carlisle
 182, Valachi
 187, Hoover
 190, Hall
 191, Kettren
 192, McTague
 195, Bloomer
 195, Campbell
 195, Dennis
 199, Daniel
 200, Maslansky
 213, Allan
 213, Aylard
 213, Buckland
 213, Buffam
 213, Carlyle
 213, Davis
 214, Finley
 214, Gold
 214, Goldie
 214, Grimes-Graeme (1932)
 214, Grimes-Graeme (1935)
 214, Hodgson
 215, Malouf
 215, Marchand
 215, Pelletier
 215, Pouliot
 215, Rajesekaran
 215, Shaw
 215, Squires
 215, Stansfield
 216, Wilson
 218, Robillard
 218, Woussen

Metamorphic petrology

66, Schnabel
 77, Harvey
 77, Allan
 103, Gonterman
 127, Bottner
 137, Austin
 138, Cocker
 138, Conti
 162, Park
 187, Bartholomew
 188, Davison
 193, Shuffelbarger
 195, Campbell
 Sedimentary petrology
 Acid etching
 169, Brown

Petrology (continued)

Sedimentary petrology (con-

tinued)

Electron microscope
 82, Huh
 Heavy minerals
 13, Cross
 13, Heath
 17, Friberg
 33, Wingard
 47, Carr
 49, Grant
 57, Connally
 58, Hoyt
 59, Manley
 63, Diana
 84, Breene
 85, Brown
 96, Lynn
 96, Ohotnický
 120, Howk
 122, Patton
 122, Smith
 159, Demshar
 178, Nelson
 180, Sherkarchi (1959)
 186, Townsend
 191, Johnson
 196, Hazard
 211, Marais
 224, Cook
 224, Gunn
 224, Gwyn
 Insoluble residues
 11, Hills
 22, Ford
 37, Andrews
 60, Reed
 61, Wray
 71, Jones
 72, McNulty
 85, Carpenter
 85, Edwards
 87, Naegle
 100, Butterman
 136, Yeakel
 159, Engman
 160, Latshaw
 161, Messineo
 168, Ayers
 177, Metcalfe
 196, Hazard
 200, McDonald
 Light minerals
 60, Rubin
 Mechanical analysis
 47, Diconza
 51, Mowery
 57, Coch
 63, Diana
 70, Goldich
 85, Doroshenko
 95, Kahle
 119, Brooks
 121, Ochsenbein
 122, Rehm
 139, Furst
 139, Harrison
 183, Worsley
 218, Watts
 Thin sections
 7, Weissman
 14, Page
 15, Zednick
 48, Fernow (1956, M. S. thesis)

Petrology (continued)
Sedimentary petrology (con-
tinued)

Thin sections (continued)

55, La Brake
68, Buchwald
78, Byrd
78, Frazier
78, Kirchgessner
79, Walker
79, Walls
79, Wilson
103, Grimsley
123, Feden
137, Alcorn
148, Channabasappa
153, Middleton
154, Neavel
156, Ting
162, Packman
199, Gombos
209, Schapiro
209, Shafer
209, Stanton
217, Low
221, Peterson

Unspecified

1, Bryan
2, Smith
6, Klavans
6, Lampiris
7, Chen
7, Emerson
7, Whisonant (1967)
10, Stuart
11, Arenz
13, Miller
14, Robertson
15, Jackson
20, Berkheiser
20, Elton
20, Kiskanen
20, Kuhnhenh
20, MacGill, P. L.
21, Szymanski
21, Averitt, P.
21, Bach
24, King, L. F.
24, Parker
26, Whaley
26, Young, J. L.
27, Pedersen
27, Saxena
27, Smith
30, Bloomer
31, Peterson
31, Mencher
32, Chafetz
32, Davis
38, Prouty
41, Thomson
43, Holm
49, Hodgson
51, Rogers
54, Borst
54, Buyce
54, Han
54, Hutchings
55, Kaufman
55, Owen
55, Ozol
56, Smith
57, Coch
58, Jensen
59, Kremer
59, Krueger

Petrology (continued)
Sedimentary petrology (con-
tinued)

Unspecified (continued)

59, Lucier
59, Moyer
61, Williams
62, Patchen
65, Miller
71, Hershelman
72, Marks
73, Muskatt (1963)
73, Muskatt (1969)
73, Myers
74, Sakkaf
75, Street (1963)
81, Bailey
86, Hannan
87, Martin, R. V.
92, Baptista
92, Bayha
93, Brownstein
93, Coppinger
94, Farber
94, Gerrard
95, Kuder
95, Lambert
96, Nietert
96, Passero
98, Wetzell
101, Chapel
102, Edwards
103, Friedman
104, Hopkins
104, Jackson
107, Miller
107, Moore
108, Osborne
108, Pennell
108, Pinker
108, Priddy (1938)
109, Rosen
110, Sharp
110, Struble
113, Birkhimer
113, Bjurstrom
114, Fasset
114, Haines
114, Hoge
114, Khalaf
114, Kozusko
115, Msek
115, Owens
115, Turrill
116, Skrzyniecki
119, Boyer
119, Bueger
119, Dekay
120, Harrison
120, Johe
121, Langman
125, Pfann
138, Cromwell
143, Bregenback
147, Bregenback
149, Falla
149, Ferm (1957)
150, Folk (1950)
150, Folk (1952)
151, Hambleton
151, Haney
154, Modarresi (1963)
154, Modarresi (1968)
154, Pelto
155, Rones
156, Smith, R. E.

Petrology (continued)
Sedimentary petrology (con-
tinued)

Unspecified (continued)

156, Tuttle
158, Aarons
159, Edmunds
160, Hogue
160, Ingram
161, Macpherson
161, McWilliams
161, Mershon
162, Ozol
163, Salver
166, Mesolella
170, Collins
170, Cumings
170, Cundiff
172, Frank
172, Freeman
173, Havryluk
174, Hill, J. T.
176, McConnell
178, Patel
181, Snyder
181, Steuerwald
181, Stickney
181, Swingle
181, Tarkoy
184, Hatcher
184, Maniatis
185, Moore
185, Zuppann
185, Heckel
187, Anderson
187, Aronson
188, Carrington
190, Heymen
191, Hobbs
191, Karpa
191, Leiblie
193, Sears
195, Dudash
196, Gatlin
197, Sherwood
202, Wagner
202, Andregg
202, Baker
203, Conrad
203, Dean, J. R.
205, Hall
205, Henniger
206, Huber
206, Larese
206, Leonard
206, Luzier
207, Martin, R. H.
207, Matthews
207, McAndrews
207, Milner
208, Murphy
208, Renton
208, Roth
209, Shafer
209, Thomas
210, Thomson
210, Travis
210, Watts
210, Wilcox
210, Wilmoth
210, Yedlosky
211, Hendrix
214, Jackson
216, Young
216, de Grijjs
223, Young

- Petrology (continued)**
Sedimentary petrology (continued)
 Unspecified (continued)
 223, Barnett
 224, Lee
 225, Mukherji
Photogeology (see Mineral exploration, photogeology)
Plate tectonics
 78, Clark
Plutons (see Igneous rocks, intrusions)
Pollution (see Environmental geology under appropriate State or Province)
Precambrian basement (see Stratigraphy, Precambrian basement)
Pyroclastics (see Igneous rocks, pyroclastics)
- Quebec**
Areal geology
 213, Allan
 213, Buckland
 214, Halet
 215, Robinson
 215, Selmsler
 215, Shaw
Environmental geology
 212, Mathieu
 213, Dufresne
 214, Eivemark
 218, Waslenchuk
Geomorphology
 214, Hodgson
 215, Pierce
Geophysics
 212, Duberger
 213, Doig
 218, Jobin
Igneous rocks
 213, Allan
 213, Aylard
 213, Buckland
 213, Buffam
 213, Carlyle
 213, Davis
 214, Finley
 214, Gold
 214, Goldie
 214, Grimes-Graepe (1935)
 214, Hodgson
 214, Howard
 215, Malouf
 215, Marchand
 215, Pelletier
 215, Pouliot
 215, Rajasekaran
 215, Shaw
 215, Squires
 215, Stansfield
 216, Wilson
 218, Robillard
 218, Woussen
Metamorphic rocks
 213, Dolan
 213, Eadie
 214, Gold
 215, Pelletier
 215, Tan
Mineral deposits
Organic
 oil and gas
 213, Currie
- Quebec (continued)**
Stratigraphy
Cambrian
 31, Sahakian
 106, Lewis
 214, Jackson
 215, Lewis
 215, Pelletier
Ordovician
 19, Uyeno
 30, Clark
 45, Pitcher
 109, Schopf
 213, Berry
 213, Byrne
 213, Carter
 213, Currie
 213, Dean
 214, Harding
 214, Harris
 214, Harvie
 214, Hoffman
 214, Husain
 215, Mason
 215, McGregor
 215, Okulitch
 215, Tan
 216, Tuffy
 216, Young
 218, Bertrand
 218, Guilbault
Pleistocene
 99, Bickel
 213, Byers
 218, Jobin
Holocene
 213, Byers
 214, Klugman
 218, Waslenchuk
Structural geology
 213, Dufresne
- Radioactivity (see Geophysical methods, radioactivity)**
Reefs
 34, Fagerstrom
 39, Bamford
 45, Oxley
 45, Pitcher
 69, Eggleston
 87, Mallin
 165, Balsam (1969)
 165, Balsam (1973)
 165, Eby
 166, Mercarini
 166, Poore
 171, Ferrigno
 185, Zurawski
 212, Ryall
 215, McGregor
 222, Sargent
Regional metamorphism (see Metamorphism, dynamic)
Resistivity (see Geophysical methods, resistivity)
Rivers (see Geomorphology, fluvial features)
Rock mechanics (see Engineering geology, rock mechanics)
Sanitary land fill (see Engineering geology, waste disposal)
Sedimentary petrology (see Petrology, sedimentary)
- Sedimentary rocks**
Chemical sedimentary rocks
Chert
 1, Holler
 9, Durham
 9, Could
 9, Marquis
 20, Kuhnhehn
 23, Hirsch
 55, Ozol
 59, Moyer
 68, Benz
 108, Rehn
 111, Turkopp
 112, Van Horn
 114, Khalaf
 144, Dellwig
 150, Folk (1950)
 207, McAndrews
 211, Dennison
 216, Tuffy
Evaporites unspecified
 111, Tremba
Gypsum
 47, Duskin
 56, Treesh
 72, Leutze
 73, Phillips
 75, Tennison
Halite
 56, Treesh
 71, Higgins
 72, Leutze
 73, Phillips
 115, Oinonen
Iron ores
 2, Simpson
 15, Castano
 24, Lewis
 25, Stokley
 28, Hunter
 29, Singewald
 31, Schoen
 47, Ellison
 125, Settzo
 194, Williams
 202, Wilson
Phosphate
 24, Parker
 211, Dennison
Pyrite and marcasite
 57, Dyer
 58, Fulreader
 64, Izayd
 65, Owens
 70, Foland
 224, Mason
Carbonates unspecified
 2, Smith
 7, Roberts
 20, Thomas
 31, Peterson
 65, Michalski
 101, Chapel
 123, Feden
 183, Whelan
 198, Webb
 201, Rich
 218, Williams
 221, Peterson
 224, Hughes
Coal
 2, Toulmin
 147, Bayer
 148, Channabasappa
 153, Middleton

Sedimentary rocks (continued)

Coal (continued)

154, Neavel
155, Reidenouer
156, Ting
158, Darakos
159, Edmunds
159, Gibbs
161, Lusk
161, Matter
163, Sitler
203, Byrer
203, Cheek
204, Donahue
204, Eddy (1971)
205, Gwinn
205, Heck (1942)
205, Hidalgo
208, Nuhfer
208, Nyland
209, Schapiro
209, Stanton
210, Warman

Conglomerate

8, Albritton
43, Holm
47, Carr
48, Forrester
65, Miller
87, McClure
111, Swick
113, Couchot
115, Vargas
120, Haacke
121, Laufer and Wigton
122, Patton
123, Wigton and Laufer
125, Pfann
137, Bartberger
139, Hecker
143, Yare
174, Hill, J. T.
178, Patel
191, Karpa
191, Leible
201, Ruby
204, Dyar

Dolomite

14, Page
15, Zadnick
20, Berkheiser
21, Bach
55, Kaufman
68, Buchwald
78, Byrd
85, French
101, DeHaas
133, Kelly
144, Chamberlin
161, Moser
162, Rieg
164, Werner
168, Haw
191, Hobbs
191, McCutcheon

Limestone

1, Holler
2, Smith
6, Klavans
11, Arenz
20, Kiskanen
21, Szymanski
24, Parker
26, Whaley
27, Smith
28, Adams

Sedimentary rocks (continued)

Limestone (continued)

28, Lang
34, Ceyer
61, Terlecky
61, Wray
68, Buzzalini
74, Sakkaf
74, St. Clair
75, Weiser
82, Huh
95, Kuder
97, Shuff
102, Dow
103, Crimley
113, Baker, H. A.
113, Bjurstrom
114, Haines
114, Khalaf
114, Kozusko
116, Skrzyniecki
158, Adams
158, Angerman
163, Salver
196, Gatlin
201, Raring
209, Thomas
216, Young
217, Harmon
219, Campbell, F. A.
219, Carter
221, Maycock
221, McIlreath

Sandstone

1, Bryan
1, Flemming
2, White
7, Chen
7, Whisonant (1967)
13, Miller
14, Robertson
15, Jackson
21, Averitt, S. D.
38, Prouty
38, Pary
41, Thomson
49, Hodgson
54, Han
58, Jensen
59, Lucier
65, Opera
87, Martin, R. V.
114, Fasset
114, Hoge
115, Msek
115, Turrill
121, Langman
152, Krajewski
154, Modarresi (1968)
159, Demshar
160, Ingram
160, Johnson
160, Kardos
160, Lanning
161, McWilliams
162, Ozol
162, Packman
166, Mesolella
170, Collins
170, Cumings
170, Cundiff
172, Freeman
177, McWilliams
194, Williams
202, Andregg
203, Conrad

Sedimentary rocks (continued)

Sandstone (continued)

201, Dean, J. R.
206, Huber
206, Larese
206, Luzier
207, Martin, R. H.
208, Renton
208, Roth
209, Shafer
210, Thomson
210, Watts
210, Wilcox
210, Wilmoth
210, Yedlosky
211, Hendrix
214, Jackson
215, Lewis
215, Pelletier
216, de Grijis

Shale

4, Byers
9, Marquis
12, Fenner
13, Fisher, J. H.
21, Sanders
89, Schweinfurth, S. P.
89, Seyfried
97, Shade
115, Picking
119, Downer
120, Jewell
149, Falla
152, Jobling
153, Lithgow
153, McCarl
157, Warg
161, Meyers
162, Price
166, Hofmann
166, Mahoney
174, Jones, H. L.
192, Meyertons
204, Difford
211, Dennison
216, Candy

Siltstone

24, King, L. F.
47, Diconza
69, Clement
73, Muskatt (1963)
122, Schnack

Sedimentary structures

Primary structures

8, Albritton
9, Guttery
9, Lamb
10, Preston
22, Clarke
24, Kearby
28, Adams
28, McBride
28, McIver
29, Meckel
29, Pelletier
30, Yeakel
30, Burtner
31, Sabakian
53, Wyckoff
60, Roe (1972)
64, Kirchgessner
82, Huh
82, Jaycox
82, Lené
86, Klein
86, Klekamp

- | | | |
|------------------------------------|-----------------------|------------------------------|
| Sedimentary structures (continued) | Sediments (continued) | Sediments (continued) |
| Primary structures (continued) | Clastics (continued) | Clastics (continued) |
| 90, Wilson | Alluvium (continued) | Glacial deposits (continued) |
| 91, Barclay | 67, Jagoda | 81, Bush |
| 91, Mrakovich | 67, Winter | 84, Breene |
| 92, Baker | 83, Schrecongost | 88, Schaber |
| 96, Liston | 84, Breuer | 89, Schaleman |
| 98, Ali | 85, Cottrill | 90, Tucker |
| 106, Lewis | 85, Doroshenko | 94, Guccione |
| 113, Bush | 86, Kalaitjis | 95, Kahle |
| 116, Hopfinger | 89, Schaleman | 104, Jones |
| 120, Evans | 90, Tucker | 105, Kelly |
| 120, Haacke | 92, Smith | 105, Kempton |
| 132, Hohl | 104, Jones | 109, Rosen |
| 145, Peterson | 105, Kempton | 119, Brooks |
| 152, Krajewski | 113, Birkhimer | 119, Bueger |
| 154, Modarresi (1968) | 113, Current | 119, Dekay |
| 155, Russell | 131, Gresh | 120, Harrison |
| 158, Balsinger | 136, Spedel | 120, Howk |
| 160, Leeper | 137, Bretsky | 120, Johe |
| 161, Macpherson | 138, Cromwell | 122, Schnack |
| 174, Jones, M. L. | 140, Kraybill | 123, Topp |
| 184, Brooke | 140, Leyden | 123, Willson |
| 185, Matthews | 141, Piper | 139, Furst |
| 200, Montgomery | 142, Springer | 140, Lewis |
| 216, de Grijs | 147, Adler | 140, Leyden |
| 221, Johnston, A. W. | 151, Hedberg | 140, Marshall |
| 225, Risk | 171, Escobar | 216, Bourque |
| Secondary structures | 175, Koch | 216, Costello |
| Biogenic | 180, Schneider | 216, Eynon |
| 4, Byers | 180, Schrader | 217, Storey |
| 55, Laskowski | 181, Stickney | 218, Jobin |
| 116, Hopfinger | 182, Upham | 223, Barnett |
| 218, Yeo | 186, Townsend | 224, Cook |
| Concretions | 198, Connolly | 224, Feenstra |
| 6, Helmhold | 202, Wagner | 224, Gunn |
| 50, Kirchgasser (1967) | 218, Waslenchuk | 224, Gwyn |
| 89, Seyfried | 223, Smith | 224, Knox |
| 123, Cathcart | Cave deposits | 225, May |
| 148, Cathcart | 183, Wood, B. R. | 225, Vagners (1966) |
| 197, Roberts | Eolian deposits | 225, Vagners (1970) |
| 217, Jordan | 93, Coppinger | Lacustrine |
| Cone-in-cone | 120, Harrison | 34, Gacek |
| 24, Marvin | 223, Woodward | 35, Ross |
| 105, Karhi | Glacial deposits | 35, Schleck |
| 120, Huston | 12, Baker | 48, Garrett |
| 121, Leet | 12, Droste | 51, Mowrey |
| Geodes | 13, Gross | 57, Coch |
| 75, Thibault | 13, Heath | 64, Gahnoog |
| 115, Nelson | 13, Moran | 65, Ostrye |
| Nodules | 14, Sitler (1955) | 66, Taublieb |
| 70, Foland | 14, Sitler (1957) | 67, Clute |
| 70, Ghosh | 17, Gravenor | 68, Brainerd and Perry |
| 90, Ward | 33, Wingard | 68, Brainerd, W. F. |
| 222, Wilson | 34, Craig | 69, Cohn (1974) |
| Stylolites | 34, Gacek | 73, Perry and Brainerd |
| 69, Dunkerley | 48, Forrester | 82, Evans |
| Vugs | 51, Noble | 83, Scadden |
| 7, Weissman | 53, Mackey | 83, Wolery |
| 115, Nelson | 55, Schock | 84, Benson |
| Sediments | 56, Whipple | 85, Ettensohn |
| Chemical | 57, Connally | 92, Wittine |
| 69, Cucci | 58, Giles | 101, Christopher |
| 69, Eggleston | 63, Barnes | 103, Goodman |
| 70, Ghosh | 63, Bart | 103, Gordon |
| 74, Snow | 63, Fickett | 104, Humphris |
| 222, Wilson | 65, Nork | 105, Kleinhampl |
| Clastic | 70, Goldich | 107, Metter |
| Alluvium | 72, Kaiser | 109, Richards |
| 17, Friberg | 72, Marks | 109, Savoy |
| 22, Carney | 73, Myers | 115, Stonestreet |
| 25, Short | 74, Savage | 116, Camp |
| 48, Garrett | 74, Stewart, D. P. | 116, Hopfinger |
| 64, Gryzbek | 75, Street (1963) | 119, Clemens |
| | 76, Healey | 121, Ochsenbein |
| | 81, Bugh | |

Sediments (continued)

- Clastics (continued)
 - Lacustrine (continued)
 - 122, Smith
 - 169, Bayer
 - 181, Smith, R. J.
 - 183, Worsley
 - 186, Townsend
 - 205, Hall
 - 207, McCollough
 - 210, Webster
 - 217, Pinch
 - 218, Watts
 - 218, Witteman
 - 219, Bowlby
 - 221, Johnston, A. W.
 - 221, Johnston, L. M.
 - 225, Risk
 - Talus
 - 133, Kochel
 - 146, Martin
 - 152, Jobling
- Organic
 - 69, Cucci
 - 69, Eggleston
 - 71, Hassler
- Seismic methods (see Geophysical methods, seismic)
- Seismology
 - Crustal structure
 - 11, Mathur
 - 21, Adams
 - 30, Hart
 - 36, Willis
 - Earthquakes
 - 212, Duberger
 - Soil mechanics (see Engineering geology, soil mechanics)
- Soils
 - Geochemistry
 - 22, Breeding
 - 116, Meyers
 - 116, Silverman
 - 150, Good
 - 172, Centry
 - 215, Mallick
 - Paleosols
 - 107, Moos
 - 121, McCabe
 - 132, Holbrook
 - 220, Dix
 - 220, Forrest
 - Recent soils
 - 23, Haney
 - 50, Kinsman
 - 85, Collier
 - 124, Buckley
 - 125, Quant
 - 133, Kier (1965)
 - 133, Lewis (1974)
 - 134, McKelvey
 - 152, Lane, B. E.
 - 197, Plaster
 - 215, Mallick
- Spectroscopy (see Chemical analysis methods, spectroscopy)
- Stratigraphic paleontology (see Stratigraphy)
- Stratigraphy
 - Precambrian basement
 - 20, Goble
 - 26, Sumartojo
 - 64, Fisher
 - 103, Gonterman
 - 106, McCormick
 - 136, Villaume

Stratigraphy (continued)

- Precambrian basement (continued)
 - 136, Voegeli
 - 138, Dilks
 - 142, Sebolt
 - 162, Park
 - 170, Carlisle
 - 171, Dregne
 - 184, Mallory
 - 188, Davis
 - 188, Davison
 - 192, McTague
 - 200, Maslansky
 - 219, Bawden
 - 219, Clarke
 - 220, Cole
 - 220, Dix
 - 220, Forrest
 - 222, Tuer
 - 222, Turner
- Late Precambrian
 - 6, Coett
 - 7, Whisonant (1967)
 - 8, Popek
 - 13, Labotka
 - 25, Sandefur
 - 26, Blondeau
 - 28, Fellows
 - 33, Griffin
 - 50, Mellen
 - 52, Webb
 - 77, Bloomer
 - 78, Gooch
 - 87, Nuttall
 - 125, Wasiolek
 - 164, Hyde
 - 164, Murphy
 - 169, Bearce
 - 169, Brower
 - 178, Patel
 - 181, Swingle
 - 187, Bartholomew
 - 188, Carrington
 - 193, Sears
 - 195, Bloomer
 - 195, Caskie, A.
 - 196, Griffin
 - 198, Webb
 - 198, Blanton
 - 200, Martin
 - 201, Pearcy
- Paleozoic, general
 - 13, Fisher, R. A. B.
 - 54, Allen
 - 164, Wikander
 - 214, Harvie
 - 220, Dix
 - 220, Forrest
 - 220, Coidsetzer
 - 221, Jamieson
 - 225, Vagners (1966)
- Cambrian
 - 5, Wilson
 - 7, Whisonant (1967)
 - 10, Smith, W. L.
 - 10, Splavins
 - 11, Hills
 - 14, Oder
 - 14, Page
 - 15, Zadnick
 - 15, Henderson
 - 20, Nicholas
 - 20, Elton
 - 20, Goble
 - 21, Van Andersall

Stratigraphy (continued)

- Cambrian (continued)
 - 28, Fellows
 - 28, Long
 - 31, Sahakian
 - 31, Wheeler
 - 32, Benedict
 - 39, Best
 - 41, Spink
 - 44, Larsen, L. H.
 - 49, Grant
 - 50, Mellen
 - 51, Sadler
 - 54, Spanglet
 - 54, Buyce
 - 55, Owen
 - 55, Rubin
 - 60, Selleck
 - 64, Fisher
 - 77, Wilkins
 - 77, Bloomer
 - 78, Byrd
 - 106, Lewis
 - 118, Dolly
 - 120, Grunau
 - 123, Bliss
 - 128, Campbell
 - 132, Hohl
 - 132, Kauffman
 - 133, Kier (1967)
 - 133, Love
 - 134, Meyers
 - 136, Shelly
 - 136, Yeakel
 - 140, Hellstrom
 - 140, Hills
 - 140, Ludlum
 - 142, Sebolt
 - 142, Sibal
 - 142, Stevens
 - 143, Bowman
 - 144, Buie
 - 145, Meyers
 - 145, Peterson
 - 152, Landon
 - 154, Pelto
 - 156, Smith, R. E.
 - 156, Tasch
 - 157, Storm
 - 158, Aarons
 - 159, Engman
 - 160, Latshaw
 - 161, Macpherson
 - 161, Moser
 - 162, Rieg
 - 164, Werner
 - 164, Hyde
 - 165, Balsam (1969)
 - 165, Balsam (1973)
 - 165, Halley
 - 170, Bumgarner
 - 170, Collins
 - 170, Cumings
 - 173, Helton
 - 176, McConnell
 - 179, Poole, James Leroy
 - 179, Raymond
 - 180, Samman
 - 181, Spigal
 - 181, Tarkoy
 - 183, Whelan
 - 187, Anderson
 - 187, Aronson
 - 189, Derby (1965)
 - 193, Shuffelbarger
 - 195, Bloomer

Stratigraphy (continued)

Cambrian (continued)

195, Caskie, A.
 195, Crenshaw
 195, Dudash
 196, Griffin
 197, Sherwood
 198, Webb
 198, Blanton
 200, Martin
 201, Pearcy
 201, Taylor
 202, Ward, C. A.
 202, Baker
 214, Jackson
 215, Lewis
 215, Pelletier
 220, Findlay
 220, Forrest
 220, Forsyth
 220, Hart
 222, Sitter

Ordovician

1, Gilbert
 1, Raymond
 4, Bretsky
 4, Cumings
 5, Walker
 6, Ekstrom
 6, Klavans
 6, Loring
 6, Papaspyros
 7, Stephens
 7, Kirby
 8, Buzarde
 8, Cappel
 9, Gould
 9, Ingram
 9, Jackson
 9, Moore, J. B.
 9, Murphy
 10, Sheridan
 10, Vest
 11, Wright
 11, Coryell
 11, Hills
 12, Richards
 13, Guber
 13, Khawlie
 14, Oder
 15, Karstrom
 15, Lorenz
 17, Anstey
 17, Brown
 17, Hatfield
 17, Mauck
 17, McEwan
 17, Moore
 17, Straw
 18, Utgaard
 18, Barnett
 19, Uyeno
 21, Weber
 21, Averitt, P.
 21, Bach
 21, Barton
 22, Bryne
 22, Etter
 23, Haney
 23, Hazel
 23, Hicklin
 23, Hirsch
 23, Hopkins
 24, King, L. F.
 24, Mackey
 24, McCulloch

Stratigraphy (continued)

Ordovician (continued)

24, Miller
 24, Parker
 24, Perkins
 25, Reeves
 25, Reynolds
 25, Smith
 25, Stafford
 26, Whaley
 26, Young, D. M.
 26, Young, J. L.
 28, Carson
 28, McBride
 29, Neuman
 29, Ohrenschall
 29, Sando
 29, Secrist
 30, Bloomer
 30, Clark
 30, Field
 31, Mosley
 31, Shaw
 31, Walker
 31, Wheeler
 31, Willard
 32, Benedict
 32, Chafetz
 32, Cummings
 33, Delmet
 33, Lehtola
 33, Richtmyer
 33, Stelzer
 33, Whiting
 34, Geyer
 34, Liddell
 34, Lizotte
 35, Meyer
 36, Svetlich
 37, Andrews
 37, Martin
 38, Shore
 38, Prouty
 38, Reid
 40, Sanford
 40, Whitcomb
 40, Cook
 40, Oliver
 41, Pollock
 41, Spink
 42, Cameron
 42, Chenoweth
 42, Craig (1941)
 42, Craig (1949)
 43, Cutler
 43, Fail (1964)
 43, Fail (1966)
 43, Huffman
 44, Karp
 44, Larsen, E. R.
 44, Larsen, L. H.
 44, Lippit (1953)
 44, Lippit (1959)
 44, Mallory
 44, Miller, R. L.
 45, Oxley
 45, Pitcher
 45, Prouty
 45, Salmon
 46, Young
 47, Dutton
 49, Grant
 50, Markham
 51, Rogers
 51, Sadler
 52, Stone

Stratigraphy (continued)

Ordovician (continued)

52, Winder
 53, Perissoratis
 54, Vargas
 54, Buyce
 55, Kaufman
 55, Mazzullo
 55, Mohammed
 55, Porter
 55, Rubin
 57, Fisher
 58, Hoskins
 58, Karleskind
 59, Krueger
 60, Seaber
 60, Selleck
 60, Smith, M. A.
 62, Dupler
 62, Kaplan
 62, Patchen
 62, Ward
 63, Abel
 64, Fisher
 67, Wiesnet
 71, Hooker
 72, Mack
 72, McNulty
 75, Veinus
 75, Vere
 78, Curran
 78, Hamilton
 78, Laird
 79, McKinney, F. K.
 79, Rogers
 79, Walls
 79, Wilson
 84, Aronoff
 84, Bass
 84, Bazaarab
 84, Bell (1966)
 84, Bell (1972)
 84, Branstrator
 84, Braun
 85, Bruns
 85, Carpenter
 85, Conaster
 85, Forsyth
 86, Hall
 86, Harmon
 86, Huff
 86, Hyde
 87, Lattman (1951)
 87, Meyer
 87, Naogle
 88, Osgood
 88, Pogue
 88, Pojeta
 88, Pope
 89, Schweinfurth, M. F.
 89, Shaw
 89, Singh (1966)
 89, Singh (1971)
 89, Stephens, M. A.
 89, Taylor
 90, Van Fossen
 90, Ward
 90, Warn (1971)
 90, Warn (1974)
 90, Warshauer (1969)
 90, Warshauer (1973)
 92, Baptista
 92, Bayha
 92, Bergman
 93, Brand
 93, Brownstein

Stratigraphy (continued)

Ordovician (continued)

93, Butler
 93, Cody
 93, Davies
 93, DeWys
 93, Distler (1967)
 93, Distler (1972)
 94, Farber
 94, Fitzpatrick
 94, Freas
 94, Garrison
 94, Gotautas
 94, Grygo
 95, Hay
 95, Kanizay
 95, Kramer
 95, Kuder
 95, Lee
 95, Lind
 96, Magaw
 96, Maurer
 96, McCormick
 96, Nietert
 96, O'Brien, J. M.
 96, Passero
 96, Raymond
 97, Shade
 97, Shuff
 97, Thomas, H. F.
 98, Thompson, D. R.
 98, Thompson, E. H.
 98, Weidner
 98, Wetzel
 98, Yang
 98, Ali
 101, Carnes
 101, DeHaas
 102, Dunn
 102, Edwards
 102, Fetzner
 103, Hariharan
 104, Hower
 105, Kinzelman
 105, Kohut
 106, McLish
 108, Norman
 108, Osborne
 108, Pulse
 109, Roscoe
 109, Schopf
 110, Sharp
 111, Turco
 112, Votaw
 112, Warner
 112, Wharton
 112, Wilkie
 118, Bordeau
 120, Grunau
 121, Nellis
 123, Bliss
 125, Pfann
 126, Aldrich
 126, Flory
 126, Slingerland
 126, Afolabi
 136, Wise
 137, Zampogna
 138, Crawford
 139, Fink
 139, Frederickson
 139, Hecker
 140, Henry
 141, Nouza
 143, Bowman
 143, Bregenback

Stratigraphy (continued)

Ordovician (continued)

144, Chamberlin
 144, Johnsen
 145, Ray
 146, Sherwood
 148, Butler
 149, Donaldson
 150, Folk (1950)
 150, Folk (1952)
 150, Gross
 151, Hobson
 152, Lees
 153, Macaulay
 154, Nickey
 154, Palacas
 155, Richardson
 155, Ronas
 155, Rosenkrans
 155, Schneider
 156, Thompson
 156, Tuttle
 157, Storm
 158, Aarons
 160, Lanning
 161, Macpherson
 161, Messineo
 162, Murdy
 162, Rieg
 164, Manne
 165, Tipnis
 167, Thompson
 168, Puchstein
 168, Stanley
 168, Allen
 168, Ayers
 169, Belvin
 169, Blythe (1967)
 169, Blythe (1974)
 169, Boyd
 169, Brown
 170, Bumgarner
 170, Causey
 170, Coker
 170, Cumings
 171, Escobar
 171, Ferrigno
 171, Fields
 172, Frank
 172, Goldhaber
 173, Harvell
 174, Hofstetter
 174, Jones, M. L.
 175, Kashfi
 175, Kemp, P. E.
 175, Kemp, T. E.
 175, Kyle
 175, LaFollette
 175, LeRoux
 176, Lineberger
 176, Lomenick
 177, McWilliams
 177, Metcalfe
 177, Miller, G. A.
 177, Moehl
 178, Nelson
 178, Oliver
 178, Parker
 178, Payne
 179, Foole, James Leroy
 179, Ratliff (1974)
 180, Sandrock
 181, Snyder
 181, Steuerwald
 181, Stephenson
 182, Teng

Stratigraphy (continued)

Ordovician (continued)

182, Troensegaard
 182, Turner, W. N.
 182, Walls
 183, Whelan
 183, White, L. A.
 183, Wood, J. A.
 184, Benedict
 184, Brooke
 184, Hatcher
 184, Maniatis
 185, Matthews
 185, Moore
 185, White
 185, Zupann
 185, Zurawski
 186, Gates
 187, Suter
 188, Campbell
 189, Fitzgerald
 189, Frieders
 190, Gilbert
 190, Hergenroder (1966)
 190, Heymen
 191, Hobbs
 191, Karpa
 191, Leible
 191, McCutcheon
 193, Shanholtz
 193, Suter
 193, Webb (1959)
 194, Wigley
 195, Crenshaw
 195, Dudash
 196, Gatlin
 197, Ryan
 197, Sherwood
 198, Webb
 198, Wood
 198, Cedarholm
 199, Gombos
 199, Hall
 199, Horowitz (1951)
 199, Horowitz (1952)
 200, McDonald
 201, Perry
 201, Raring
 201, Root
 201, Ruby
 201, Slater
 210, Wentworth
 213, Berry
 213, Byrne
 213, Carter
 213, Currie
 213, Dean
 214, Harding
 214, Harris
 214, Harvie
 214, Hoffman
 214, Husain
 215, Mason
 215, McGregor
 215, Okulitch
 215, Tan
 216, Tuffy
 216, Young
 216, Candy
 217, Spurgeon (1954)
 218, Bertrand
 218, Guilbault
 218, Barnes
 218, Steele
 219, Bulkwill
 219, Bawden

Stratigraphy (continued)

Ordovician (continued)

219, Blasdale
 219, Burns, D. R.
 219, Campbell, F. A.
 219, Carter
 219, Cathcart
 219, Clarke
 220, Cole
 220, Dix
 220, Forrest
 220, Frape
 220, Gibson
 220, Glenn
 220, Hornbrook
 221, Maycock
 221, MacBroom
 221, McIlreath
 221, Pemberton
 221, Peterson
 222, Rainboth
 222, Sargent
 222, Savigny
 222, Sharp
 222, Tomlinson
 222, Whillans
 222, Wise
 223, Young
 224, Lee
 225, Mukherji

Silurian

2, Newton
 4, Buehler
 4, Cloud
 5, Sarle
 6, Lampiris
 6, Miller
 6, Pasley
 7, Roberts
 7, Stephens
 7, Chaiffetz
 7, Goldstein
 9, Lamb
 9, Mitchell
 10, Preston
 10, Sandlin
 10, Truxes
 14, Walker
 15, Caastano
 16, Warn
 17, Manning
 21, Scott
 21, Bach
 22, Bryne
 23, Helton
 23, Holbrook
 23, Huffman
 24, Miles
 25, Rice
 25, Stokley
 26, Welch
 26, Young, J. L.
 28, Geiser
 28, Hunter
 29, Prouty
 29, Singewald
 29, Tourek
 30, Yeakel
 30, Bowen
 31, Mosley
 31, Schoen
 31, Willard
 32, Fisher
 34, Kerr
 35, Perry
 35, Rogers

Stratigraphy (continued)

Silurian (continued)

36, Truettner
 37, Hayes
 39, Giraud
 39, Luttrell
 40, Sanford
 41, Thomson
 41, Rose
 43, Holm
 44, McConnell
 47, Duskin
 50, Markham
 51, Morrison
 51, Rogers
 53, Zenger
 53, Munsart
 55, Kaufman
 55, Mohammed
 56, Treesh
 57, Chamberlain
 58, Gartland
 58, Hoyt
 59, Kremer
 59, Platt
 60, Keed
 60, Rickard
 60, Sarle
 60, Seaber
 62, Childs
 62, Patchen
 63, Abel
 63, Dwornik, E. J.
 63, Dwornik, S. E.
 64, Heubusch
 64, Kaplowitz
 65, Lockwood
 65, Lumsden
 65, Michalski
 65, Opera
 67, Nairn
 68, Buchwald
 69, Craft
 69, DeGross
 69, Dunkerley
 71, Higgins
 72, Leutze
 72, Mozola
 73, Muskatt (1969)
 73, Patchen
 73, Phillips
 74, St. Clair
 75, Tennison
 77, Diecchio
 77, Mench
 82, Floyd
 83, Murray
 85, Brown
 85, Edwards
 85, French
 86, Harrison
 87, Mallin
 88, O'Donnell
 90, Warn (1974)
 94, Gervard
 95, Kanizay
 99, Baranovic
 99, Barnett
 100, Bowman
 100, Busch (1939)
 101, Cooper
 102, Epstein, A. G. F.
 104, Hellert
 104, Hopkins
 104, Horvath
 105, Kovach

Stratigraphy (continued)

Silurian (continued)

105, Lamborn
 106, Leutze
 107, Mikan
 107, Miller
 107, Mohr
 108, O'Rourke
 108, Pennell
 108, Priddy (1938)
 109, Schillhahn
 111, Tremba
 113, Bakush
 115, Msek
 115, Oinonen
 116, Minning
 116, Rowland
 116, Sikora
 116, Swemba
 117, Winegardner
 118, Knight
 124, Hoskins
 125, Settzo
 126, Afolabi
 138, Crawford
 143, Bregenback
 151, Hambleton
 156, Tuttle
 157, Whitmore
 157, Wintermute
 160, Jones
 160, Lacey
 165, Stephenson
 165, Harper
 166, Head
 166, Saunders
 166, Smith
 168, Haw
 170, Cundiff
 183, Zimmer
 190, Hayes
 190, Helfrich
 191, Lampiris
 194, Williams
 195, Dudash
 197, Rodgers
 200, Montgomery (1967)
 200, Montgomery (1967)
 202, Andregg
 204, Gooch
 210, Travis
 212, Ultig
 216, Angold
 216, Candy
 216, Cheung
 216, Clack
 217, Gietz
 217, Kwong
 217, Martini
 217, Prasad
 217, Spurgeon (1954)
 217, Spurgeon (1955)
 217, Teeter
 218, Yeo
 220, Huff
 224, Chiang
 224, Hughes

Devonian

1, Glass
 1, Kelley
 3, Cornet
 3, Curry
 4, Berdan
 4, Byers
 4, Cleland
 4, Cloud

Stratigraphy (continued)

Devonian (continued)

4, Cooper
 4, Cirty
 4, Greiner
 4, Kindle
 4, McAlester
 5, Raymond
 5, Talbot
 5, Thayer
 6, Helmholtz
 6, Pasley
 7, Roberts
 10, Nunan
 12, Bailey
 12, Boardman
 12, Fenner
 13, Fisher, J. H.
 13, Kiefer
 13, Morrison
 14, Niklas
 14, Provo
 14, Towe
 16, Stewart
 17, St. Jean
 18, Baker
 20, Thomas
 20, Berkheiser
 20, Kuhnhehn
 21, Sanders
 23, Hamilton, C. J.
 23, Helton
 23, Holbrook
 24, Lewis
 24, Miles
 25, Rice
 25, Rubarts
 25, Ruthledge
 26, Walker
 26, Welch
 28, Kaiser
 28, Maynard
 28, McIver
 29, Ohern
 29, Ohrenschall
 29, Swartz, F. M.
 29, Swartz, J. H.
 30, Bowen
 30, Burtner
 30, Harris
 31, Mencher
 32, Berry
 32, Erickson
 32, Hulsman
 33, Travis
 34, Davis
 34, Duane
 34, Fagerstrom
 34, Grieve
 34, Kerr
 35, May
 35, Melik
 35, McIntosh
 35, Peterson
 35, Rogers
 36, Smith
 36, Tillman
 36, Truettner
 36, Boneham
 36, Coley
 37, Dobbins
 37, Nutter
 37, Rogers
 37, Rudd
 37, Paulson
 38, Ryan

Stratigraphy (continued)

Devonian (continued)

38, Fary
 39, Bamford
 39, Diffendal
 39, Giraud
 39, Phillips
 40, Horton
 40, Manspeizer
 41, Slaughter
 41, Boreske
 41, Mazzullo
 42, Allen
 42, Boylan
 43, Eldridge
 43, Grossman
 45, Swanson
 46, Boekenkamp
 47, Brew
 47, Burford
 47, Carr
 47, Chen
 47, Crierson
 47, Diconza
 47, Ellison
 48, Ely
 48, Fernow (1956, Senior
 thesis)
 48, Fernow (1956, M. S.
 thesis)
 48, Fernow (1961)
 48, Gambrell
 49, Gonzales
 49, Grasso
 49, Harrington
 49, Hodgson
 49, Hueber (1959)
 49, Hueber (1960)
 50, King
 50, Kirchgasser (1965)
 50, Kirchgasser (1967)
 50, Laub
 50, Markham
 50, Matten
 50, Moore
 51, Oliver (1950)
 51, Oliver (1952)
 51, Replogle
 51, Rickard (1951)
 51, Rickard (1955)
 51, Ross
 51, Saari
 52, Schleh
 52, Schwartz
 52, Sirkin
 52, Smart
 52, Squires
 52, Warren
 52, Williams
 52, Wolff
 53, Wyckoff
 53, Zimmerli
 53, Grossman
 54, Sulenski
 54, Borst
 54, Han
 54, Humphreys
 54, Johnson
 55, Kaufman
 55, Kramers
 55, La Brake
 55, Laskowski
 55, Lindemann
 55, Mohammed
 55, Ozol
 56, Smith

Stratigraphy (continued)

Devonian (continued)

56, Way
 56, Baird
 57, Campbell
 57, Chadwick
 57, Cottrell
 57, Dyer
 57, Fletcher
 58, Fulreader
 58, Grosvenor
 58, Jensen
 58, Karmen
 59, Lucier
 59, MacOuown
 59, Manley
 59, Moyer
 59, Payne
 60, Roe (1975)
 60, Saas
 60, Sachs
 60, Smith, M.
 61, Stover
 61, Williams
 61, Woodrow (1960)
 61, Woodrow (1965)
 61, Wray
 62, Caramanica
 62, Kraemer
 63, Blumreich
 63, Boehme
 63, Buehler
 64, Hoffman
 64, Izzard
 64, Jaffe
 64, Janowsky
 64, Jones
 64, Kammer
 64, Kaplowitz
 65, Kopf
 65, Meisen
 65, Mesires
 65, Miller
 65, Nemcek
 65, Owens
 66, Rettke
 66, Rosenschein
 66, Schwimmer
 66, Seiler
 66, Stripp
 66, Tesmer
 66, Thompson
 66, Watson
 67, Wedow
 68, Anastasio
 68, Apsouri
 68, Benz
 68, Bolton
 68, Buzzalini
 69, Clement
 69, DeGroff
 69, Dugolinsky
 69, Dunkerley
 69, Elston
 70, Fernalld
 70, Fielding
 70, Foland
 70, Furbush
 70, Gilg
 71, Herohclman
 71, Johns
 71, Johnson
 71, Jones
 72, Ketterer
 72, Klepser
 72, LaGrange

Stratigraphy (continued)

Devonian (continued)

73, Multer
 73, Murphy
 73, Muskatt (1963)
 73, Novotny
 73, Prouty
 73, Pullin
 74, Sakkaf
 74, Sanders
 74, Scobey
 74, St. Clair
 75, Stone
 76, Horne
 76, Pierce
 76, Reeves
 76, Verschoor
 78, Kirchgessner
 78, McGhee
 81, Bailey
 82, Cunningham
 82, Keller
 82, Louden
 85, Brown
 85, Cahill
 86, Holland
 87, Laird
 88, Rau
 89, Schweinfurth, S. P.
 89, Seyfried
 89, Stephens, J. G.
 95, Kelsey
 96, Runge
 99, Barnett
 99, Bond
 100, Bownocker
 100, Busch (1936)
 101, Chapel
 102, Dow
 102, Epstein, A. G. F.
 103, Gable
 103, Greaney
 104, Hendrix
 104, Jackson
 105, Karhi
 106, Martin, D. L.
 107, Moore
 107, Moses
 108, Ramsey
 108, Rehn
 109, Schillhahn
 110, Schwietering
 110, Stauffer
 110, Struble
 112, Van Horn
 112, Winslow
 116, Rowland
 116, Sikora
 116, Skrzyneicki
 116, Swemba
 118, Legault
 119, Downer
 120, Grunau
 120, Jewell
 121, Leet
 123, Cameron and Hunt
 123, Cathcart
 123, Hunt and Cameron
 125, Martino
 125, Vaskov
 137, Salmon
 137, Schrock
 138, Cortazzo
 139, Ewald
 140, Hoffman
 141, McDowell

Stratigraphy (continued)

Devonian (continued)

141, Mitchell
 142, Sappelli
 142, Shollenberger
 142, Skou
 143, Wilcoxon
 145, McGucken
 145, Read
 146, Skinner
 146, Taylor
 148, Bye
 148, Cathcart
 148, Cline
 149, Cobb
 149, Ellison
 150, Fisher
 151, Haney
 152, Krajewski
 153, Menzle
 153, Metz
 154, Modarressi (1963)
 154, Percival
 155, Rees
 155, Richardson
 155, Russell
 156, Sohon
 156, Swain
 156, Turley
 157, Warg
 157, Wintermute
 158, Cahn
 158, Dana
 159, Eller
 159, Horracker
 160, Ingram
 160, James
 160, Leeper
 161, Leighton
 164, Arif
 164, Barwis
 164, Flory
 164, Makurath
 165, Anderson
 165, Eby
 165, Epstein (1968)
 165, Epstein (1971)
 166, Hassler
 166, Head
 166, Lane
 166, McCave
 166, Mercarini
 166, Mesoletta
 166, Poore
 166, Spang
 167, Welden
 173, Hasson (1966)
 174, Hoover
 174, Jones, M. L.
 177, Miller, R. C.
 185, Fessenden
 185, Heckel
 190, Glover
 192, Ouchark
 195, Farmer
 197, Rader
 197, Roberts
 202, Wilson
 204, Difford
 206, King
 207, McAndrews
 208, Murphy
 208, Roth
 209, Shafer
 210, Thomson
 210, Wilcox

Stratigraphy (continued)

Devonian (continued)

211, Best
 211, Dennison
 216, Bray (1969)
 216, Bray (1971)
 216, de Grijs
 217, Jordan
 217, Low
 217, Spurgeon (1954)
 218, Mayr
 Mississippian
 1, Flemming
 1, Holler
 1, Kelley
 2, Spinger
 2, White
 3, Gensel
 4, Kindle
 7, Emerson
 7, Whisonant (1965)
 8, Carter
 8, Johnson
 8, Labowski
 8, Ruppel
 9, Crisler
 9, Durham
 9, Marquis
 9, Moore, W. H.
 10, Wheeler
 10, Windham
 11, Arenz
 11, McLemore
 11, Hessler
 11, Holden
 12, Bliefnick
 12, Ettensohn
 13, Fisher, J. H.
 13, Larson
 14, Nelson
 14, Sprouse
 15, Winkler
 16, Peterson
 16, Vail
 18, Burdick
 18, Condon
 19, Manger
 20, Kiskanen
 20, MacGill, R. A.
 20, MacGill, P. L.
 21, Slone
 21, Szymanski
 22, Clarke
 22, Dever
 22, Diamond
 22, Dohm
 22, Ford
 22, Greenfield
 23, Hamilton, C. J.
 23, Hurd
 24, Kearby
 24, King, W. R.
 25, Straughan
 26, Young, J. L.
 26, Dinnean
 27, Smith
 28, Adams
 29, Pelletier
 31, Peterson
 33, Eames
 34, Joity
 38, Narten
 43, Dally
 45, Sohn
 45, Swanson
 46, Wells

Stratigraphy (continued)

Mississippian (continued)

47, Burford
 47, Carr
 78, Frazier
 78, McKinney
 79, McKinney, M. J.
 79, Walker
 80, McKirgan
 81, Swires
 81, Busanus
 82, Jaycox
 82, Lené
 82, Ochsenbein
 83, Myers
 85, Conkin
 86, Hannan
 86, Holland
 86, Klein
 86, Klekamp
 87, Laird
 87, Martin, R. V.
 88, Rau
 88, Sass
 89, Single
 89, Sonnenberg
 90, Wilson
 91, Barclay
 91, Lahola
 99, Bean
 100, Bowen, A. S.
 100, Bruce
 100, Careaga
 102, Fagadau
 103, Friedman
 105, King
 105, Klepser
 107, Morse
 108, Pinker
 109, Rodriguez
 109, Scatterday
 111, Swick
 111, Szmuc (1953)
 111, Szmuc (1957)
 112, Uttley
 112, Winslow
 115, Vargas
 119, Barsdate
 119, Bonnett
 119, Boyer
 119, Downer
 120, Jewell
 121, Langman
 121, Minor
 121, Mocariski
 122, Ralston
 122, Schnack
 122, Titus
 125, Ussler
 132, Holbrook
 140, Langanke
 152, Leonard
 156, Terriere
 157, Warg
 158, Balsinger
 160, Hogue
 160, Leeper
 161, McQuillin
 162, Payne
 163, Salver
 167, Carpenter
 167, Gimmel
 168, Schmidt
 169, Bartlett
 173, Hasson (1972)
 173, Hayfield

Stratigraphy (continued)

Mississippian (continued)

174, Hewitt
 175, Kennedy
 178, Philley (1971)
 179, Ratliff (1968)
 184, Ferguson
 186, Clarke
 186, Broadhead
 188, Blancher
 190, Glover
 191, Kreisa
 192, Ouchark
 193, Stevens
 193, Thomas
 195, Crenshaw
 195, Dudash
 203, Churgin
 204, Dickinson
 204, Dodson
 204, Dyar
 204, Flowers
 205, Henniger
 205, Hickman
 206, Huber
 206, Kanes
 206, Larese
 206, Leonard
 207, Manspeizer
 207, Mattheve
 207, McColloch
 207, Milner
 209, Thomas
 210, Williamson
 210, Wray
 211, Youse
 212, Ryall
 212, Wray

Pennsylvanian

Undivided

11, Giles
 12, Cropp (1958)
 13, Kidda
 14, Robertson
 14, Summerson
 16, Stearns
 19, Morris (1961)
 20, Neal
 22, Diamond
 26, Cavaroc (1969)
 26, Erlich
 27, Henderson (1969)
 27, Whaley
 29, Price
 32, Davis
 82, Ferrall
 91, Cooper
 101, Caswell
 105, Lamb
 107, Multer
 110, Smyth
 114, Khalaf
 120, Gow
 147, Brant
 148, Channabasappa
 151, Groth, P. K. H.
 153, Lithgow
 153, Middleton
 155, Reidenouer
 156, Smith, R. D.
 158, Balsinger
 166, Hoffman
 166, Mahoney
 167, Weston
 167, Banganz
 169, Barlow

Stratigraphy (continued)

Pennsylvanian (continued)

Undivided (continued)

195, Dudash
 198, Young
 198, Bowles
 201, Osborne
 201, Schaub
 203, Conrad
 203, Dean, J. R.
 204, Donahue
 205, Growitz
 206, Luzier
 208, Nuhfer
 209, Schemel
 209, Smith
 209, Streib (1972)
 211, Hendrix

Pottsville
 1, Bryan
 7, Chen
 7, Whisonant (1965)
 8, Albritton
 9, Guttery
 10, Renshaw
 12, Cropp (1956)
 13, Metzger
 15, Jackson
 15, Kilburn
 16, Mitchum
 21, Blancher
 27, Hobday
 27, McKee
 29, Meckel
 38, Bolger
 38, Narten
 78, Hayes
 87, McClure
 91, Mrakovich
 92, Stanley
 92, Wells
 100, Bowen, C. H. (1952)
 103, Gray
 106, Mark
 106, Marple
 113, Colson
 113, Couchot
 114, Lee
 115, Lovrak
 118, Barrows
 120, Evans
 120, Haacke
 121, Laufer and Wigton
 122, Patton
 123, Wigton and Laufer
 147, Bragonier
 148, Cameron
 158, Darakos
 161, Matter
 162, Ozol
 163, Stiller
 163, Weis
 167, Carpenter
 167, Eason
 167, Galloway
 167, Jones
 167, Padgett
 168, Robinson
 168, Avignone
 169, Barlow
 172, Freeman
 175, Kasey
 180, Shekarchi
 182, Tisdale
 183, White, J. F.
 183, Wilson, R. L.

Stratigraphy (continued)
Pennsylvanian (continued)

Pottsville (continued)

184, Garrett
186, Humston
188, Bowen
192, Meyertons
199, Hinton
205, Gwinn
205, Heck (1937)
210, Watte

Allegheny

12, Baroffio
26, Cavaroc (1963)
26, Flores
27, Henderson (1965)
27, Merrill
27, Pedersen
27, Roberts
27, Saxena
27, Webb
27, Zimmerman
38, Taber
80, Franks
82, Kindt
82, Hoare
101, Couch
105, Laubach
110, Sturgeon
111, Teflian
111, Turkopp
113, Colson
147, Bregenback
148, Caruccio (1967)
149, Falla
149, Ferm (1948)
149, Ferm (1957)
150, Fredericksen
151, Habib
153, McCarl
155, Riffelmacher
155, Roberts
156, Ting
157, Williams
158, Angerman
158, Billings
159, Fleck
161, Lusk
162, Ozol
162, Raine
169, Barlow
182, Tisdale
203, Cheek
204, Denton
208, Nyland
209, Schapiro

Conemaugh

19, Morris (1967)
28, Lintz
82, Meyer
83, Ottum
83, Peterson
83, Updegraff
88, Phillips
100, Bradley
105, Laubach
113, Baker, G. O.
113, Baker, H. A.
113, Bjurstrom
113, Bush
114, Fasset
114, Haines
114, Hoge
114, Kozusko
114, Lipp
115, Neff

Stratigraphy (continued)
Pennsylvanian (continued)

Conemaugh (continued)

116, Webb
144, Chow
149, Ferm (1948)
158, Adams
158, Burke
159, Demshar
159, Doney
159, Frazier
159, Gavenda
160, Johnson
161, McWilliams
161, Meyers
162, Newmyer
162, Norton
162, Price
163, Ross
163, Sarg
163, Shaak
163, Sheaffer
163, Theiss
163, Tindell
164, Winters
186, Merrill
203, Carpenter
203, Collins
204, Glagola
207, Miller
208, Nyland
208, Renton
210, Wilmoth
211, Bebout

Monongahela

101, DeFeu
115, Turrill
158, Adams
161, Miklaussen
162, Newmyer
203, Conti
204, Eddy (1971)
205, Hidalgo
206, Hoover
206, Kerns

Permian (?) (Dunkard)

13, Miller
87, Martin, W. D.
92, Baker
93, Camp
95, Healy
95, Henniger
95, Lambert
96, Liston
96, Lorenz
96, Lynn
96, Mushake
96, O'Brien, D. C.
97, Stearns
97, Swinehart
97, Thompson
98, Thoms
115, Thompson
160, Holland
203, Clendening (1960)
203, Clendening (1970)
205, Hinner
206, Malone
207, Martin, W. D.
209, Stanton
210, Warman
217, Vemuri

Triassic

15, Glaeser
42, Abdel-Monem
62, Ginsburg

Stratigraphy (continued)
Triassic (continued)

76, Austin
123, Blackman
124, Pearre and Wullschlegler
124, Wullschlegler and Pearre

137, Alcorn
137, Bartberger
138, Brown

138, Cocker
140, Kaplan
142, Raffay

142, Sebolt
143, Yare
153, Miller

155, Ross
157, Wanner

Cretaceous

175, Kasey

Tertiary

5, Pierce

17, Pinsak

20, Cantrell

171, Darrell

Pleistocene

4, Holmes

12, Baker

12, Droste

13, Gross

13, Heath

13, Moran

14, Sitler (1955)

14, Sitler (1957)

17, Gravenor

19, Wilbur

20, Cantrell

22, Carrington

31, Peltier

32, Connally

33, Wingard

34, Craig

34, Gacek

35, Ross

35, Schieck

45, Peltier

45, Simpson

46, Borofsky

50, Meili

50, Messinger

53, Mackey

55, LaFleur

55, Schock

56, Whipple

57, Connally

57, Davis

57, Edwards

58, Giles

59, Neel

61, Terlecky

61, Walters

62, Kirkland

63, Barnes

63, Bart

63, Blackman

63, Cuthbert

63, Diana

63, Fickett

64, Gahnoog

64, Kirchgessner

66, Fryor

66, Sweeney

66, Symecko

68, Blagbrough

68, Brainerd and Perry

Stratigraphy (continued)

Pleistocene (continued)

68, Brainerd, W. F.
69, Coon
69, Eldridge
69, Eppler
70, Forster
70, Goldich
71, Harrison
71, Hasser
71, Helms, C. B.
71, Huck
71, Kaiser
72, Kaiser
72, Langey
72, Marks
73, Myers
73, Perry and Brainerd
74, Stewart, D. P.
75, Street (1963)
75, Street (1966)
76, Wright
76, Healey
81, Bugh
81, Bush
82, Evans
83, Scadden
83, Swanston
84, Branch
84, Breene
85, Ectensohn
88, Schaber
92, Wittine
92, Blackman
93, Brace
93, Coppinger
94, Goldstein
94, Guccione
95, Kahle
97, Smith
97, Thomas, J. B.
98, Watson
98, Wright
99, Aukeman
99, Baumiller
99, Bickel
100, Brown
101, Clark
101, Clowers
101, Conley
102, Fisher
102, Flint (1946)
102, Flint (1948)
103, Forsyth
103, Foster
103, Franklin (1953)
103, Franklin (1961)
103, Gregory
104, Janssens (1964)
104, Jones
105, Kelly
105, Kempton
106, McKeon
107, Moos
107, Mowrey
108, Quinn (1972)
108, Quinn (1974)
108, Reutinger
108, Reynolds
109, Rogers
109, Rosen
109, Rosengreen
110, Schuster
110, Shaffer
110, Sheatsley
110, Swick

Stratigraphy (continued)

Pleistocene (continued)

111, Teller
112, White (1933)
112, Zimmerman
113, Birkhimer
113, Bossong
113, Current
115, Stonestreet
116, Camp
117, Contrino
117, Henry
117, Jehn
118, Armstrong
119, Brooks
119, Bueger
119, Dekay
120, Harrison
120, Hassell
120, Howk
120, Johe
121, McCabe
122, Schnack
122, Senzik
123, Willson
125, Nauman
133, Kochel
133, Lane
134, Mavraganis
137, Baird
138, Ehly
139, Eisenbeis
139, Elberti
139, Francavillèse
139, Furst
139, Harrison
140, Lewis
140, Leyden
141, Parker, C.
141, Piper
142, Sies
142, Springer
144, Callaghan
146, Martin
147, Brinkley
148, Bucek
150, Gardner
151, Groth, L. M. W.
153, Lifschutz
156, Stingelin
156, Troutt
157, Wells
158, Bender
160, Hull
164, Worley
183, Wood, B. R.
194, Admiral
198, Connolly
207, McCollough
210, Webster
212, Peterson
213, Byers
216, Bourque
216, Costello
216, Eynon
217, Harmon
217, Hurst
217, Pinch
217, Storey
217, Thompson
218, Jobin
221, Johnston, A. W.
221, Martin
221, Pedersen
222, Vandine
223, Barnett

Stratigraphy (continued)

Pleistocene (continued)

223, Berti
224, Cook
224, Feenstra
224, Gunn
224, Gwyn
224, Knox
225, May
225, McKenzie
225, Vagners (1966)
225, Vagners (1970)

Holocene

17, Friberg
19, Wilbur
34, Gacek
35, Ross
35, Schieck
51, Mowrey
57, Coch
60, Rubin
64, Gryzbek
66, Taublieb
67, Clute
69, Cucci
69, Eggleston
70, Ghosh
72, Langey
76, Wright
83, Schrecongnot
84, Branch
84, Benson
84, Breuer
85, Cottrill
85, Doroshenko
86, Kalaitjis
101, Christopher
103, Goodman
103, Gordon
104, Humphris
105, Kleinhampl
107, Metter
109, Richards
109, Savoy
116, Hopfinger
119, Clemens
121, Ochsenbein
122, Redding
122, Rehm
122, Smith
125, Nauman
131, Gresh
133, Kochel
133, Lane
135, Seymour
136, Speidel
137, Bretsky
138, Cromwell
140, Kraybill
147, Adler
151, Groth, L. M. W.
151, Hedberg
152, Jobling
156, Stingelin
160, Hull
164, Worley
169, Bayer
171, Escobar
175, Koch
180, Schneider
180, Schrader
181, Smith, R. J.
182, Upham
183, Worsley
186, Townsend
202, Wagner

- Stratigraphy (continued)**
- Holocene (continued)**
- 205, Hall
212, Peterson
213, Byers
214, Klugman
217, Pinch
218, Watts
218, Witteman
218, Waslenchuk
219, Bowlby
221, Johnston, L. M.
222, Wilson
223, Woodward
223, Smith
225, Risk
- Streams (see Geomorphology, fluvial features; see Hydrogeology, streams)**
- Structural geology**
- General (see also Areal geology and Structural geology under individual States and Provinces)**
- 2, Roddy
3, James
5, Ordway
5, Perry
11, Mathur
12, Mohr
12, Straley
24, Patterson
24, Perry
28, Gair
29, Stevens
33, Griffin
61, Suess
78, Clark
123, Dewees and Sutton
123, Feden
124, Sutton and Dewees
125, Vaskov
125, Vernon
126, Aldrich
137, Bechtel
138, Dilks
138, Eberts
138, Eisenbeis
139, Fink
139, Frederickson
220, Geldsetzer
- Cleavage (see Structural geology, foliation)**
- Faults**
- 5, Oriel
5, Perry
5, Pierce
10, Reighard
10, Smith, J. W.
18, Banks
22, Etter
24, Patterson
25, Stallard
26, Wesley
31, Quinn
40, Shaw
48, Fox
53, Perissoratis
77, Lewis
78, Krinitsky
116, Silverman
136, Skerlec
137, Bartberger
140, Kaplan
144, Kell
145, Peterson and Skinner
155, Siddiqui
- Structural geology (continued)**
- Faults (continued)**
- 157, Ujueta
159, Ewing
166, Sherwin
168, Ahler
169, Biery
170, Byerly (1966)
171, Davis, R. D.
173, Haney
173, Harper
173, Hatcher
174, Hooker
174, Jones, C. K.
175, Krotzer
176, Little
177, McKinney
177, Milici (1960)
178, Penley
179, Porter
179, Pruitt
179, Pugh
180, Saltmann
180, Serim
181, Smith, J. W.
181, Sutton
182, Tiedemann
182, Turner, I. L.
188, Broughton
188, Cashion
191, Marshall
193, Wells
196, Flewellen
213, Dufresne
- Folds**
- 5, Perry
6, Hoover
6, Rabchevsky
12, Straley
13, Granath
28, Fellows
28, Geiser
32, Cummings
42, Collins
47, Dunner
52, Wilson
74, Savage
78, Gooch
90, Uhrig
115, Owens
119, Brock
120, Eaton
125, Smith
131, Grannell
136, Villaume
137, Salmon
155, Siddiqui
157, Ujueta
159, Ebright
161, Miles
162, Packman
163, Roeder
165, Groshong
166, Sherwin
166, Spang
167, Roberts
172, Garrett
182, Troensegaard
189, Edsall
189, French
189, Frieders
195, Beard
195, Clough
196, Hay
197, Parrott
197, Ramsey
- Structural geology (continued)**
- Folds (continued)**
- 198, Tarleton
206, King
206, Kulander (1968)
211, Zurgani
- Foliation**
- 13, Labotka
28, Fellows
28, Gair
28, Geiser
29, Stevens
33, Griffin
182, Troensegaard
186, Gates
196, Griffin
- Joints**
- 23, Hine
25, Stafford
42, Collins
45, Pincus (1948)
45, Pincus (1951)
69, DeGroff
71, Hooker
75, Wallach
86, Keller
92, Stanley
119, Clendenin
121, Kiefer
121, Matthews
124, Boyer
136, Sheppard
137, Salmon
142, Raffay
149, Ebaugh
151, Hough
153, Matzke
154, Powdywocki
174, Hoover
184, Boblitzell
219, Bawden
219, Clarke
222, Turner
- Lineaments**
- 23, Hine
47, Coy
152, Kowalik
- Sedimentary intrusions**
- 200, Laurent
201, Sturgill
206, Kerns
- Unconformities**
- 1, Gilbert
20, Goble
23, Helton
25, Rice
25, Rubarts
31, Mosley
31, Willard
32, Benedict
38, Narten
40, Oliver
68, Apsouri
89, Stephens, J. G.
138, Crawford
139, Hecker
141, Mercier
142, Sebolt
159, Frazier
164, Murphy
167, Carpenter
175, Kasey
188, Campbell
220, Cole
220, Dix
220, Forrest

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 221 McIlreath
 222, Tuer
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 Sediments, clastic, talus)
- Tennessee
 Areal geology
 2, Roddy
 4, Lowry
 5, Ordway
 5, Rodgers
 5, Sanders
 10, Ostrander
 14, Saxby
 16, Stearns
 30, Lusk
 32, Cummings
 37, Clarke
 46, Walthier
 87, Munyan (1951)
 105, Kate
 106, Martin, G. C.
 108, Priddy (1936)
 169, Bearce
 169, Benson
 169, Biery
 169, Brower
 170, Burchfield
 170, Byerly (1957)
 170, Byerly (1966)
 170, Cagle
 170, Cathey
 170, Cox
 170, Dail
 171, Dail
 171, Davis, D. C.
 171, Davis, R. D.
 171, Drenge
 171, Elder
 171, Emerson
 171, Feder
 172, Finlayson
 172, French
 172, Gibbs
 172, Gilbert
 172, Greene, A. V.
 172, Greene, R. C.
 172, Hagegorge
 172, Hajosy
 173, Haney
 173, Harding
 173, Harper
 173, Harvey
 173, Hatcher
 173, Hathaway
 173, Havryluk
 173, Hawkins
 173, Heller
 174, Henderson
 174, Hill, W. T.
 174, Hooker
 174, Jackson
 174, Jeran
 174, Johnson
 174, Jones, C. K.
 174, Jones, C.
 175, King
 175, Lane
 175, Leak
 176, Lessig
 176, Little
 176, Lounsbury
 176, Maclay
- Tennessee (continued)
 Areal geology (continued)
 176, Maher
 176, Mann
 176, Manus
 176, Marie
 176, McCallum
 177, McKinney
 177, McMaster
 177, McReynolds
 177, Mebane
 177, Milici (1955)
 177, Milici (1960)
 177, Moore
 178, Murray
 178, Nalewalk
 178, Palmer
 178, Parhiala
 178, Payne
 178, Penley
 179, Phillips
 179, Poole, Joe Lester
 179, Pruitt
 179, Pugh
 179, Quick
 179, Rackley
 179, Ricketts
 180, Ripley
 180, Rishel
 180, Russell
 180, Sawyer
 180, Serim
 180, Sherkarchi (1959)
 180, Skinner
 181, Smith, J. W.
 181, Sniegocki
 181, Spangler
 181, Sutton
 181, Sykes
 182, Tiedemann
 182, Troenseguard
 182, Tucker
 182, Turner, I. L.
 182, Vest
 183, Wiener
 183, Wiethe
 183, Zimmer
 184, Berquist
 184, Lockyear
 185, Miller
 185, Woodruff
 212, Swingle
- Environmental geology
 169, Bayer
 180, Schrader
 181, Smith, R. J.
 182, Upham
 183, Wiethe
 184, Lockyear
 185, Miller
 185, Sprinkle
- Geomorphology
 44, Miller, V. C.
 175, Koch
 176, Martin, G. C.
 177, Moneymaker
 184, Eilender
 185, Smith
- Geophysics
 169, Bryan
 175, Krotzer
 184, Ganster
 184, Mallory
 212, Moors
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 176, Maclay
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 185, Sprinkle
 186, Holland
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 170, Carlisle
 182, Valachi
 Metamorphic rocks
 41, Zaymore
 171, Drenge
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 5, Rodgers
 175, Kyle
 Metals
 Copper
 42, Addy
 45, Socolow
 77, Harvey
 182, Tung
 192, Moore
 211, Carpenter
 212, Schmedeman
 Iron
 30, Gilbert
 183, Zimmer
 Lead
 36, Willard
 38, Reid
 183, West, W. S.
 Manganese
 169, Brower
 181, Steiner
 182, Wallace
 Zinc
 14, Oder
 14, Ringler
 29, Secrist
 36, Willard
 38, Reid
 46, Walthier
 171, DeGroot
 172, Gentry
 177, Miller, J. D.
 180, Rishel
 180, Sandrock
 181, Snyder
 181, Steuerwald
 183, West, J. E.
 (1970)
 183, West, J. E.
 (1974)
 183, West, W. S.
- Nonmetals
 Barite
 178, Nadeau
 Fluorite
 171, DeGroot
 177, Miller, J. D.
 178, Nadeau
 Marble
 79, Walls
 168, Ayers
 182, Teng
 182, Turner, W. N.
 182, Walls
 Phosphate
 29, Ohernschall
 Sand
 172, Freeman
 Organic
 Oil and gas
 30, Lusk
 Coal
 180, Schrader
 182, Upham

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Uranium
178, Patel
180, Saltmann

Stratigraphy
General
174, Hill, J. T.
174, Jeran
176, Marie
178, Parhiala
178, Philley (1961)

Precambrian basement
170, Carlisle
171, Drengé
184, Mallory

Late Precambrian
7, Whisonant (1967)
169, Bearce
169, Brower
178, Patel
181, Swingle

Cambrian
7, Whisonant (1967)
14, Oder
20, Elton
21, Van Andersall
78, Byrd
170, Bumgarner
170, Collins
170, Cumings
173, Helton
176, McConnell
179, Poole, James Leroy
179, Raymond
180, Samman
181, Spigai
181, Tarkoy
183, Whelan
189, Derby (1965)

Ordovician
4, Bretsky
7, Kirby
11, Coryell
14, Oder
23, Hopkins
29, Ohrenschall
29, Secrist
32, Cummings
37, Andrews
38, Prouty
38, Reid
43, Huffman
45, Prouty
79, Walls
93, DeWys
101, Carnes
118, Bordeau
168, Stanley
168, Allen
168, Ayers
169, Belvin
169, Blythe (1967)
169, Blythe (1974)
169, Boyd
169, Brown
170, Bumgarner
170, Causey
170, Coker
170, Cumings
171, Escobar
171, Ferrigno
171, Fetters
171, Fields
172, Frank
172, Goldhaber

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Stratigraphy (continued)

Ordovician (continued)
173, Harvell
174, Hofsteter
174, Jones, M. L.
175, Kashfi
175, Kemp, P. E.
175, Kemp, T. E.
175, Kyle
175, LaFollette
175, LeRoux
176, Lineberger
176, Lomenick
177, McWilliams
177, Metcalfe
177, Miller, G. A.
177, Moehl
178, Nelson
178, Oliver
178, Parker
178, Payne
179, Poole, James Leroy
179, Ratliff (1974)
180, Sandrock
181, Snyder
181, Steuerwald
181, Stephenson
182, Teng
182, Troensegaard
182, Turner, W. N.
182, Walls
183, Whelan
183, White, L. A.
183, Wood, J. A.
184, Benedict
184, Brooke
184, Hatcher
184, Maniatis
185, Matthews
185, Moore
185, White
185, Zuppann
185, Zurawski
190, Hergenroder (1966)

Silurian
16, Warn
37, Hayes
83, Murray
168, Haw
170, Cundiff
183, Zimmer

Devonian
29, Ohrenschall
29, Swartz, J. H.
37, Paulson
38, Ryan
45, Swanson
174, Hoover
174, Jones, M. L.
177, Miller, R. C.

Mississippian
9, Crisler
11, Arenz
11, McLemore
15, Winkler
16, Peterson
16, Vail
31, Peterson
45, Swanson
78, Frazier
99, Bean
105, Klepser
173, Hasson (1972)
173, Hayfield
174, Hewitt

Tennessee (continued)
Stratigraphy (continued)
Mississippian (continued)

175, Kennedy
179, Ratliff (1968)
184, Ferguson
212, Ryall

Pennsylvanian
12, Cropp (1958)
14, Summerson
16, Mitchum
16, Stearns
78, Hayes
167, Eason
168, Avignone
169, Barlow
172, Freeman
180, Shekarchi
182, Tisdale
183, White, J. F.
183, Wilson, R. L.
184, Garrett
186, Humston

Pleistocene
183, Wood, B. R.

Holocene
171, Escobar
175, Koch
180, Schrader
181, Smith, R. J.
182, Upham
183, Worsley

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2, Roddy
3, Holcomb
5, Ordway
5, Rodgers
13, Granath
79, Odom
168, Ahler
169, Biery
170, Bumgarner
170, Byerly (1966)
171, Davis, R. D.
173, Haney
173, Harper
173, Hatcher
174, Hooker
174, Hoover
174, Jeran
174, Jones, C. K.
175, Kashfi
175, Krotzer
176, Little
176, Marie
177, Milici (1955)
177, Milici (1960)
178, Parhiala
178, Penley
179, Pruitt
179, Pugh
180, Saltmann
180, Serim
181, Smith, J. W.
181, Sutton
182, Tiedemann
182, Troensegaard
182, Turner, I. L.
183, Wiener
184, Berquist
184, Boblitzell
185, Woodruff
212, Swingle

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erosion features, terraces)

- Thermal metamorphism (see Metamorphism, contact)
- Till (see Geomorphology, glacial features, moraine; see Sediments, clastic, glacial)
- Tuff (see Igneous rocks, pyroclastic)
- Tunnels (see Engineering geology, tunnels)
- Unconformities (see Structural geology, unconformities)
- Vertebrate paleontology (see Paleontology, Vertebrata)
- Virginia
- Areal geology
- 4, Lesure
- 5, Thornton
- 11, Giles
- 18, Banks
- 18, Bates (1936)
- 18, Bates (1938)
- 18, Cooper (1935)
- 18, Cooper (1937)
- 19, Harris
- 19, Croneis
- 31, Shuler
- 46, Woodward
- 46, Brent
- 53, Young
- 77, Rosenbloom
- 77, Berryhill
- 77, Bloomer
- 78, Gooch
- 78, Kesler
- 80, Haefka
- 80, Hummel
- 83, Lukert
- 88, Rowland
- 102, Emery
- 146, Warmkessel (1942)
- 146, Warmkessel (1951)
- 187, Aiken
- 187, Amato
- 187, Barlow
- 187, Bartholomew
- 187, Bauerlin
- 188, Bregman
- 188, Broughton
- 188, Bryan
- 188, Cairamella
- 188, Cashion
- 188, Chauvin
- 188, Chen
- 189, Derby (1961)
- 189, Eckroade
- 189, Edwards
- 189, Eubank
- 189, Fara
- 189, Farnham
- 189, Fiedler
- 189, Francis
- 189, French
- 189, Gambill
- 190, Glass
- 190, Hale
- 190, Hayman
- 190, Hazlett
- 190, Hergenroder (1957)
- 190, Hobbs
- 191, Kettren
- 191, Koch
- 191, Lee
- 191, Leonard
- 191, Marshall
- Virginia (continued)
- Areal geology (continued)
- 192, McDowell
- 192, Moon
- 192, Murphy
- 192, Nichol
- 192, Ovenshine
- 192, Ritter
- 192, Ross
- 192, Sable
- 193, Shuffelbarger
- 193, Tyler
- 193, Via
- 193, Waesche
- 193, Webb (1965)
- 193, Whitman
- 194, Craft
- 195, Beard
- 195, Caskie
- 195, Clough
- 196, Fitzgerald
- 196, Flewelling
- 196, Gooch
- 196, Harnsberger
- 196, Hay
- 196, Lowdon
- 196, Moore
- 196, Oder
- 197, Parrott
- 197, Patterson
- 197, Prutzman
- 197, Ramsey
- 197, Rector
- 197, Revilla
- 197, Rothenberger
- 197, Rowan
- 198, Smith
- 198, Tarleton
- 198, Van Ward
- 198, Thompson
- 198, Crawford, Ogden, McThenia, and Henes
- 199, Davis and Sherman
- 199, Davis and Sherman
- 199, Doerhoefer
- 199, Forkgen
- 199, Henes, Crawford, Ogden, and McThenia
- 199, Henes, Hoss, and McThenia
- 199, Hoss, McThenia, and Henes
- 200, McThenia, Hoss, and Henes
- 200, McThenia, Crawford, Ogden, and Henes
- 200, Miller
- 200, Mixon
- 200, Ogden, Crawford, McThenia, and Henes
- 201, Sherman and Davis
- 201, Sherman and Davis
- 202, Ward and Mixon
- 202, Bain
- 204, Duncan
- 208, Nock
- Environmental geology
- 198, Spangler
- 198, Webb
- Geomorphology
- 16, Kilgore
- 38, Delke
- 44, McJimsey
- 46, Wright
- 47, Carson
- 78, Krinitzky
- Virginia (continued)
- Geomorphology (continued)
- 187, Kane
- 189, Fiedler
- 190, Hayman
- 195, Farmer
- 196, Johnston
- 198, Connolly
- 200, Jones
- 202, Weill
- Geophysics
- 30, Hart
- 36, Willis
- 187, Carrier
- 187, Hoover
- 189, Edsall
- 189, Francis
- 191, Kolich
- 192, Reiter
- 201, Vierbuchen
- Hydrogeology
- 189, Farnham
- 191, Koch
- 191, Leonard
- 196, Lowdon
- 201, Root
- Igneous rocks
- Extrusions
- 6, Goett
- 8, Popek
- 38, Isachsen
- 195, Bloomer
- 198, Webb
- Intrusions
- 116, Perkins
- 187, Carrier
- 187, Hoover
- 190, Hall
- 191, Kettren
- 192, McTague
- 195, Campbell
- 195, Dennis
- 199, Daniel
- Metamorphic rocks
- 187, Bartholomew
- 188, Davis
- 188, Davison
- 193, Shuffelbarger
- 195, Campbell
- 196, Griffin
- 208, Perkins, R. L. (1967)
- Mineral deposits
- Metals
- Iron
- 4, Lesure
- 28, Hunter
- 43, Hoyle
- 193, Sears
- 194, Williams
- 202, Wilson
- Lead
- 38, Reid
- 52, Scherffius
- Manganese
- 174, Jacobs
- 192, Moomaw
- Zinc
- 38, Reid
- 52, Scherffius
- 196, McGavock
- Nonmetals
- 52, Scherffius
- 195, Caskie, A.
- Organic
- Coal
- 11, Giles

- Virginia (continued)
- Mineral deposits (continued)
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- Coal (continued)
- 193, Stevens
- 201, Osborne
- 201, Schaub
- General
- 46, Woodward
- 188, Chen
- 192, Nichol
- 193, Tyler
- 199, Doerhoefer and Wood
- 199, Funkhouser
- 200, Miller
- 202, Wood and Doerhoefer
- Stratigraphy
- General
- 18, Bates
- 18, Cooper (1935)
- 77, Berryhill
- 80, Hummel
- 191, Johnson
- 196, Hazard
- 199, Doerhoefer and Wood
- 201, Rich
- 202, Wood and Doerhoefer
- Precambrian basement
- 188, Davis
- 188, Davison
- 192, McTague
- 200, Maslansky
- Late Precambrian
- 6, Goett
- 8, Popek
- 25, Sandefur
- 26, Blondeau
- 33, Griffin
- 38, Isachsen
- 77, Bloomer
- 78, Gooch
- 187, Bartholomew
- 188, Carrington
- 193, Sears
- 195, Bloomer
- 195, Caskie, A.
- 196, Griffin
- 198, Webb
- 198, Blanton
- 200, Martin
- 201, Pearcy
- Cambrian
- 20, Nicholas
- 38, Reid
- 77, Bloomer
- 78, Byrd
- 187, Anderson
- 187, Aronson
- 189, Derby (1965)
- 193, Shuffelbarger
- 195, Bloomer
- 195, Caskie, A.
- 195, Crenshaw
- 195, Dudash
- 196, Griffin
- 197, Sherwood
- 198, Webb
- 198, Blanton
- 200, Martin
- 201, Pearcy
- 201, Taylor
- 202, Ward, C. A.
- Ordovician
- 4, Bretsky
- 28, Carson
- Virginia (continued)
- Stratigraphy (continued)
- Ordovician (continued)
- 28, McBride
- 31, Walker
- 43, Huffman
- 45, Prouty
- 47, Dutton
- 50, Markham
- 75, Veinus
- 78, Curran
- 187, Suter
- 188, Campbell
- 189, Fitzgerald
- 189, Frieders
- 190, Gilbert
- 190, Hergenroder (1966)
- 190, Heymen
- 191, Hobbs
- 191, Karpa
- 191, Leible
- 191, McCutcheon
- 193, Shanholtz
- 193, Suter
- 193, Webb (1959)
- 194, Wigley
- 195, Crenshaw
- 195, Dudash
- 196, Gatlin
- 197, Ryan
- 197, Sherwood
- 198, Webb
- 198, Wood
- 198, Cedarholm
- 199, Gombos
- 199, Hall
- 199, Horowitz (1951)
- 199, Horowitz (1952)
- 200, McDonald
- 201, Perry
- 201, Raring
- 201, Root
- 201, Ruby
- 201, Slater
- Silurian
- 6, Lampiris
- 6, Pasley
- 7, Roberts
- 28, Hunter
- 29, Tourek
- 30, Yeakel
- 35, Perry
- 50, Markham
- 77, Diecchio
- 83, Murray
- 124, Hoskins
- 166, Head
- 190, Hayes
- 190, Helfrich
- 191, Lampiris
- 194, Williams
- 195, Dudash
- 197, Rodgers
- 200, Montgomery (1967)
- 200, Montgomery (1967)
- Devonian
- 6, Helmhold
- 6, Pasley
- 7, Roberto
- 13, Morrison
- 29, Swartz, F. M.
- 33, Travis
- 37, Rogers
- 50, Markham
- 73, Murphy
- Virginia (continued)
- Stratigraphy (continued)
- Devonian (continued)
- 78, Kirchgessner
- 78, McGhee
- 108, Rehn
- 166, Head
- 167, Welden
- 173, Hasson (1966)
- 190, Glover
- 192, Ouchark
- 195, Farmer
- 197, Rader
- 197, Roberts
- 202, Wilson
- 211, Dennison
- Mississippian
- 3, Gensel
- 16, Vail
- 18, Condon
- 79, Walker
- 167, Carpenter
- 168, Schmidt
- 169, Bartlett
- 186, Clarke
- 188, Blancher
- 190, Glover
- 191, Kreisa
- 192, Ouchark
- 193, Stevens
- 193, Thomas
- 195, Crenshaw
- 195, Dudash
- Pennsylvanian
- 11, Giles
- 12, Baroffio
- 167, Carpenter
- 188, Bowen
- 192, Meyertons
- 195, Dudash
- 201, Osborne
- 201, Schaub
- Pleistocene
- 198, Conolly
- Holocene
- 17, Friberg
- 202, Wagner
- Structural geology
- 18, Bates (1936)
- 18, Cooper (1935)
- 33, Griffin
- 77, Lewis
- 77, Berryhill
- 78, Gooch
- 78, Krinitsky
- 79, Odom
- 79, Straley
- 80, Haefka
- 187, Amato
- 187, Bartholomew
- 188, Broughton
- 188, Cashion
- 189, Edsall
- 189, Francis
- 189, French
- 189, Frieders
- 190, Glass
- 190, Hazlett
- 190, Hobbs
- 191, Kettren
- 191, Kolich
- 191, Marshall
- 192, McDowell
- 193, Wells
- 195, Beard

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- Structural geology (continued)
- 195, Clough
196, Fløwellen
196, Griffin
196, Hay
197, Parrott
197, Ramsey
198, Tarleton
199, Doerhoefer and Wood
199, Forkgen
200, Laurent
200, Mixon and Ward
201, Pearcy
201, Sturgill
201, Vierbuchen
202, Wood and Doerhoefer
208, Perkins, R. L. (1967)
- Waste disposal (see Engineering geology, waste disposal; see also Environmental geology listed under appropriate State or Province)
- Weathering (see Soils)
- Well-logging
- 26, Welch
33, Richtmyer
33, Stelzer
33, Whiting
34, Crick
34, Duggan
34, Garvey
34, Grieve
34, Kerr
35, Newman and Woodhams
35, Parker
35, Perry
35, Pi-Sunyer
35, Rector
35, Rogers
35, Schultz and Jurko
36, Smith
36, Truettner
36, Woodhams
53, Munsart
54, Allen
56, Agey
60, Simmons
63, Blumreich
66, Seiler
66, Thompson
73, Novotny
73, Patchen
74, Stewart, G. W.
76, Pack
81, Bailey
93, Brownstein
100, Boster
101, Cummins
103, Conterman
103, Hariharan
105, Kinzelman
111, Tremba
112, Wharton
151, Haney
153, Metz
154, Modaressi (1963)
155, Russell
158, Aarons
158, Cahn
158, Dana
159, Hoffacker
160, James
- Well-logging (continued)
- 160, Kardos
161, McCollough
161, Mershon
161, Miller
162, Murdy
162, Payne
163, Thomas
174, Hill, W. T.
179, Poole, James Leroy
183, Whelan
188, Bowen
203, Cardea
204, Flowers
207, Matthews
207, Milner
208, Roth
209, Shafer
209, Thomas
210, Williamson
211, Youse
211, Zurgani
212, Ultig
214, Jackson
217, Spurgeon (1954)
220, Glenn
- West Virginia
- Areal geology
- 5, Perry
6, Houver
6, Rabchevsky
7, Stancoiff
47, Dyott
52, Wilson
53, Young
81, Steiffer
115, Owens
117, Taylor
157, Ujueta
194, Bohon
202, Barlow
202, Byerly
203, Dean, S. L. (1963)
203, Dean, S. L. (1966)
203, Dennison
204, Duncan
204, Dyckes
204, Eddy (1964)
204, Fox
205, Gwilliam
205, Hahman
205, Harris
205, Heffner
206, Hughart
206, Kilcommins
206, Kirr
206, Kulander (1964)
206, Kulander (1968)
207, Martin, R. H.
207, Mefford
207, Minke
207, Mitchell
207, Mullenex
208, Nock
208, Nordeck
208, Norwood
208, Page
208, Perkins (1963)
208, Russ
208, Ryan
209, Shockey
209, Simms
209, Sole
209, Streib (1969)
209, Taylor
- West Virginia (continued)
- Areal geology (continued)
- 210, Twigg
210, West
210, Wilson, P.
210, Wilson, T. H.
211, Young
211, Zurgani
- Environmental geology
- 204, Drabish
209, Stilson
210, Wilson, P.
- Geomorphology
- 7, Stancoiff
41, Werner
45, Smith
84, Alexander
87, Lattman (1953)
87, Lorenz
148, Clark
207, Mitchell
208, Sanders
211, Young
216, Coward
- Geophysics
- 36, Willis
202, Byerly
207, McCollough
211, Yost
- Hydrogeology
- 80, Dannemiller
80, Houghton
80, Knox
117, Taylor
203, Campbell
203, Davin
204, Drabish
205, Growitz
209, Sole
209, Stilson
211, Young
216, Coward
- Igneous rocks
- 116, Perkins
206, Kapnicky
- Metamorphic rocks
- 206, Kapnicky
208, Perkins, R. L. (1967)
- Mineral deposits
- General
- 202, Bayles
- Metals
- 28, Hunter
116, Meyers
- Nonmetals
- 200, Oref
- Organic
- Coal
- 48, Farrington
148, Cameron
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