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DEPARTMENT OF THE INTERIOR
Hubert Work, Secretary

U. S. GEOLOGICAL SURVEY
George Otis Smith, Director

BULLETIN 784

BIBLIOGRAPHY
OF
NORTH AMERICAN GEOLOGY
FOR
1923-1924

BY

JOHN M. NICKLES

POLITECHNIKA GDAŃSKA
ZAKŁAD GEOLOGII

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CONTENTS

	Page
Introduction	1
Serials examined	3
Bibliography	9
Index	179
Lists	245
Chemical analyses	245
Mineral analyses	246
Minerals described	247
Rocks described	248
Geologic formations described	249

ZAVOD GEOLOGICKÝCH VĚD
ČESKÉ VYSOKÉ UČENÍ TECHNICKÉ

CONTENTS

Page.
Introduction 1
Serials examined 8
Bibliography 9
Index 179
Lists 215
Chemical analyses 215
Mineral analyses 216
Minerals described 217
Rocks described 218
Geologic formations described 219

BIBLIOGRAPHY OF NORTH AMERICAN GEOLOGY FOR 1923–1924

By John M. Nickles

INTRODUCTION

The bibliography of North American geology, including paleontology, petrology, and mineralogy, for the years 1923 and 1924 contains publications on the geology of the Continent of North America and adjacent islands and on Panama and the Hawaiian Islands. It includes textbooks and papers of general character by American authors, but not those by foreign authors, except papers that appear in American publications.

The papers, with full title and medium of publication and explanatory note if the title is not fully self-explanatory, are listed under the names of their authors, which are arranged in alphabetic order. The author list is followed by an index to the literature listed.

The bibliography of North American geology is comprised in the following bulletins of the United States Geological Survey: No. 127 (1732–1892), Nos. 188 and 189 (1892–1900), No. 301 (1901–1905), No. 372 (1906–7), No. 409 (1908), No. 444 (1909), No. 495 (1910), No. 524 (1911), No. 545 (1912), No. 584 (1913), No. 617 (1914), No. 645 (1915), No. 665 (1916), No. 684 (1917), and No. 698 (1918).[1] These have been cumulated under the title "Geologic literature on North America, 1785–1918," in Bulletin 746 (Part I, Bibliography) and Bulletin 747 (Part II, Index).

The series has been continued in Bulletins Nos. 731 (1919–20), 758 (1921–22), and 784 (1923–24).

[1] The Survey's stock of these bulletins is exhausted; most of those later than No. 301 may be purchased from the Superintendent of Documents, Washington, D. C., to whom inquiries and orders should be addressed.

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POLITECHNIKA GDAŃSKA ZAKŁAD GEOLOGII

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Woodring, Wendell P.—Continued.

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INDEX

(The numbers refer to entries in the bibliography)

Abrasive materials.
Canada: Eardley-Wilmot, 612.
General: Beach, 110.
Abstracting geologic literature: Keyes, 1206.
Addresses.
At the surface of a crystal: Wherry, 2443.
Evolutional paleontology in relation to the lower Paleozoic rocks: Elles, 630.
Forces in man's social evolution: Shimer, 2054.
Geologic factors in evolution: Mather, 1490.
Geologist and petroleum industry: DeGolyer, 552.
Geology in the service of man: Watts, 2416.
Geology's debt to the mineral industry: Miller, 1575.
North American geosyncline: Schuchert, 1993.
Oceanography in its relation to other earth sciences: Vaughan, 2342.
Origin and antiquity of man: Miller, 1569.
Progress and trends in vertebrate paleontology: Matthew, 1506.
Seventy-five years of American geology: Chamberlin, 325.
Studying mines with a microscope: Bayley, 107.
Age of the earth. *See* Earth, age.
Agricultural aspects of rock weathering: Hunt, 1024.
Alabama.
Areas described.
Clay County: Prouty, 1782.
Economic geology.
Bauxite, formation in sink holes: Adams, 1.
Clinton ore, Birmingham district: Crane, 468.
Iron, Clinton formation: Aldrich, 18.
Mineral resources: Ernst, 657; Maynard, 1510; Smith, 2075; Wingard, 2516.
Oil prospecting: Lloyd, 1392.
Historical geology.
Clinton formation: Aldrich, 18.
Cretaceous, eastern Alabama: Berry, 141.
Paleontology.
Hantkenia, Eocene foraminifer: Cushman, 487.
Alaska.
Areas described.
Alaska Railroad region: Capps, 301.
Chitina Valley: Moffit, 1603.
Cold Bay-Chignik district: Smith, 2091.
Kotsina-Kuskulana district: Moffit, 1602.
Ruby-Kuskokwim region: Mertie, 1544.
Economic geology.
Beatson copper mine: Bateman, 100.
Beatson mine, Prince William Sound district: Birch, 158.
Chitina Valley: Moffit, 1603.
Early Tertiary placer deposit: Capps, 302.
Juneau district: Bradley, 189.
Kennecott mines, Chitina district: Birch, 157.
Alaska—Continued.
Economic geology—Continued.
Magmatic sulphide ore, Chicagof Island: Kerr, 1155.
Mining industry, 1922: Brooks, 219.
Nickel minerals: Buddington, 249.
Historical geology.
Mesozoic formations: Goranson, 771.
Peard Bay region: Meek, 1513.
Mineralogy.
Nickel minerals: Buddington, 249.
Paleontology.
Peard Bay region, Pleistocene: Meek, 1513.
Physical geology.
Kaolinite associated with miarolitic structure: Buddington, 248.
Katmai, earthquakes and eruption, 1912: Tams, 2188.
Katmai region, fumaroles, chemical study: Allen, 25.
fumarolic incrustations: Zies, 2560, 2561.
tuff deposits, Valley of Ten Thousand Smokes: Escher, 658; Fenner, 675; Griggs, 812.
Valley of Ten Thousand Smokes, floor; Cole, 399.
hot springs: Zies, 2562.
moving pictures: Fenner, 676.
Physiographic geology.
Lynn Canal region: Martin, 1488.
Alberta.
Red Deer region: Tyrrell, 2299.
Report of geological investigations, 1922: Allan, 19.
Smoky, Hay, and Berland rivers: MacVicar, 1466.
Areas described.
Blackstone, Brazeau, and Pembina rivers, foothills belt: Allan, 24.
Saunders Creek and Nordegg coal basins: Allan, 21.
Economic geology.
Bituminous sands, northern Alberta: Clark, 350; Ells, 636, 637, 638, 639, 640.
Bow River coal basin: Dowling, 582.
Clay, Athabasca River: Hume, 1017.
Coal, Crows nest area: Rose, 1908.
Red Deer region: Tyrrell, 2299.
Smoky, Hay, and Berland rivers: MacVicar, 1466.
Coal-seam correlation: Rutherford, 1934.
Crowsnest coal area: Rose, 1908.
General: Allan, 23.
Natural gas: Elworthy, 646.
Oil and gas possibilities, eastern Alberta: Irwin, 1040.
Oil prospects, southern Alberta: Williams, 2474.
Smoky River coal field: Anon., 2571.

Alberta—Continued.
Economic geology—Continued.
Wainwright oil and gas area: Hume, 1018.
Wainwright-Irma oil and gas area: Hume, 1021.
Historical geology.
Banff section: Keyes, 1242.
Cordilleran formations, nomenclature: Walcott, 2355.
Cretaceous and Jurassic stratigraphy: Allan, 20.
Ozarkian system: Walcott, 2355.
Pre-Devonian deposits: Walcott, 2359.
Southern Alberta: Dowling, 581.
Paleontology.
Aspideretes, Belly River Cretaceous: Gilmore, 751.
Corythosaurus, Red Deer River: Gilmore, 750; Parks, 1712.
Deinodontidae, Cretaceous: Matthew, 1503, 1507.
Devonian: Kindle, 1268.
Dinosaurs: Parks, 1715, 1718.
Belly River formation: Gilmore, 750, 753.
Edmonton Cretaceous: Gilmore, 753.
Dyoplosaurus acutosquameus, armored dinosaur: Parks, 1714.
Laosaurus, Cretaceous: Gilmore, 752.
Pelecypoda, Fernie formation: McLearn, 1463.
Prosaurolophus maximus: Parks, 1714.
Stephanosaurus, crested dinosaur: Parks, 1713.
Styracosaurus, Red Deer River: Gilmore, 748.
Tree, Red Deer Valley: Kindle, 1253.
Troodon validus, Belly River formation: Gilmore, 754.
Petrology.
Sandstones, criteria for age determination: Sanderson, 1948.
Physical geology.
Corrosion by saline waters, Salt Prairie: Rutherford, 1932.
Crowsnest coal area, structure: Rose, 1908.
Freshfield Glacier: Palmer, 1704, 1705.
Structural features produced by Pleistocene glaciation: Hopkins, 977.
Underground water.
Southern Alberta, artesian area: Dowling, 581.
Algae.
Archean: Gruner, 821.
California, Los Angeles, Miocene: Gardner, 730.
Wyoming, Fuson oil shale: Bradley, 191.
Algae as limestone makers and climatic indicators: Glock, 760.
Algonkian. *See* Pre-Cambrian.
Alkali deposits.
Canada, western: Cole, 401, 402, 404.
Texas, western: Meigs, 1514.
Alluvial fan deposits in Upper Huronian: Bain, 61.
Almandite and its significance in the contact zones of the Grenville limestone: Bain, 60.
Alum.
Nevada, Fallon, magnesia alum: Hewett, 924.
Aluminum: Hill, 928, 933.
Alunite. *See also* Potash.
Utah, Marysvale: Tingley, 2254.
Amber.
British Columbia, Coalmont: Wilson, 2488.
Ammonoosuc mining district. New Hampshire: Ross, 1913
Amphibia.
Colorado, Pennsylvanian sandstones, footprints: Henderson, 913.
Eryops, carpus: Gregory, 807.
Kansas, footprints: Hanna, 852.
West Virginia, footprints: Lull, 1434.
Anguilla.
Paleontology.
Decapod crustaceans, Oligocene: Withers, 2522.
Annelida.
Iowa, Devonian: Searight, 2009.
Anorthosites, formation: Loewinson, 1397.
Anthozoa.
Hexacoralla, ancestry: Robinson, 1891.
Tertiary: Vaughan, 2345.
Tetradium and coral evolution: Sardeson, 1958
Vermont, Chazyan coral reef: Raymond, 1805.
Antigua.
Geology: Earle, 615.
Antimony.
Alaska, Alaska Railroad region: Capps, 301.
General: Schrader, 1991.
Antilles. *See* West Indies.
Appalachian field trip: Morse, 1640.
Appalachians.
Cross-section in southern New England: Woodworth, 2539.
New structural type in: Stose, 2163.
Structure: Keith, 1140.
Arachnida.
Paleolimulus, Permian xiphosuran, Kansas: Dunbar, 595.
Archean. *See* Pre-Cambrian.
Arctic regions.
Arctic coast of Canada: O'Neill, 1682.
Historical geology.
General: Holtedahl, 971.
Paleontology.
Mammoth tusk, Banks Island: Kindle, 1265.
Pleistocene, Arctic coast: Dall, 498.
Tertiary fossils, Brock River: Dall, 498.
Petrology.
Basaltic rocks: Holmes, 970.
Physical geology.
Ice, characteristics: Kindle, 1263.
Sediments, distribution by Arctic ice: Kindle, 1263.
Arizona.
Areas described.
Oatman district: Ransome, 1793.
Economic geology.
Asbestos: Sampson, 1945.
Sierra Ancha: Bateman, 98.
Bisbee district: Elsing, 645.
Black Mesa iron deposits, Plumosa district: Keyes, 1211.
Deposition of copper carbonate from mine water: Wilson, 2503.
Gold, Oatman district: Ransome, 1793.
Gold, silver, copper, lead, and zinc: Heikes, 901.
Jerome district: Rickard, 1874.
Porphyry coppers, Palomas Range: Keyes, 1220.
Ray quadrangle: Ransome, 1792.
Silver ores, Chloride and Kingman, origin: Bastin, 93.
Tres Amigos gold veins: Keyes, 1176.
Verde mining district: Smith, 2071.

Arizona—Continued.
Historical geology.
Colorado Plateau, northern Arizona: Longwell, 1404.
Devonian: Keyes, 1171.
Fort Apache region: Reagan, 1810.
General: Keyes, 1209.
Geologic map: Ariz. Bur. Mines, 41; Darton, 512.
Geological traverse, Mohave to San Juan River: Gregory, 802.
Grand Canyon: Darton, 511; Moore, 1625.
Holbrook area: Hager, 830.
Hopi Buttes volcanic field: Reagan, 1807.
Jerome district: Smith, 2071.
Lees Ferry region: Bryan, 240.
Northeastern Arizona: Hager, 832; Moore, 1619.
Palomas Range: Keyes, 1220.
Redwall limestone: Keyes, 1169.
Verde River lake beds: Jenkins, 1057.
Mineralogy.
Cyanotrichite, Grand Canyon: Gordon, 778.
Pyrite, Tucson: Ayres, 52.
Sulphate minerals, Bisbee: Merwin, 1546.
Paleontology.
Bird remains, Benson: Wetmore, 2437.
Paraphyllanthoxylon arizonense: Bailey, 56.
Physical geology.
Colorado Plateau, structural features: Moore, 1621.
Pedestal rocks: Bryan, 243.
Stream aggradation through irrigation: Reagan, 1809.
Wind erosion: Bryan, 241.
Physiographic geology.
Grand Canyon of the Colorado: Birdseye, 159; Darton, 509, 511; Termier, 2201.
Meteor Crater: Barringer, 78, 79.
Arkadelphia formation, stratigraphy: Howe, 997.
Arkansas.
Areas described.
Hot Springs district: Purdue, 1784.
Economic geology.
Diamond deposits: Mitchell, 1599.
Diamond-bearing peridotite area, Pike County: Miser, 1592.
Diaspore clay: Wysor, 2553.
El Dorado, Union County: Ley, 1373.
Mineral Resources: Branner, 197; Ferguson, 681.
Oil-producing sands in southern Arkansas: Hull, 1011.
Petroleum-bearing concretions, Newton County: Binney, 156.
Smackover oil and gas field, Ouachita and Union counties: Bell, 119, 120; Schneider, 1981.
Structural features of oil fields, southern Arkansas: Crider, 470.
Historical geology.
Arkadelphia formation: Howe, 996, 997.
Diamond-bearing peridotite area, Pike County: Miser, 1592.
El Dorado oil field: Gilluly, 747.
General: Miser, 1591.
Nacatoch formation: Howe, 998.
Sabine uplift: Huntley, 1032.
Arkansas—Continued.
Historical geology—Continued.
Stratigraphy of oil-producing sands in southern Arkansas: Hull, 1011.
Mineralogy.
Catapleiite, Magnet Cove: Foshag, 702.
Wavellite, Montgomery County: Gordon, 776.
Paleontology.
Trilobite, St. Clair limestone: Foerste, 696.
Petrology.
Hot Springs district, igneous rocks: Lloyd, 1391
Physical geology.
Differential compacting the cause of certain Claiborne dips: Teas, 2198.
Granite in wells: Gould, 786.
Structural features of oil fields, southern Arkansas: Crider, 470.
Underground water.
Hot springs: Bryan, 242.
Arsenic.
General: Heikes, 897, 903.
United States: Heikes, 898; Sayre, 1975.
Washington, Seattle district: Stoess, 2155.
Artesian waters and wells. *See* Underground water.
Arthropoda.
Balanus, Haiti: Pilsbry, 1757.
Scorpions: Moore, 1618.
Articulata. *See* Arthropoda.
Asbestos.
Arizona: Sampson, 1945.
Sierra Ancha: Bateman, 98.
General: Sampson, 1941.
Quebec: Fisher, 694.
Asphalt. *See also* Bituminous rocks and sands.
California: Vanderleck, 2321.
General: Cottrell, 458, 464.
Kentucky, rock asphalt: Jillson, 1086.
Aspidella-like markings, Cambridge slate: Clark, 353.
Associations, meetings.
American Association for the Advancement of Science, proceedings Boston meeting: Moore, 1614.
Section E, Cincinnati meeting, 1923–24: Moore, 1616; geology: Moore, 1617.
American Association of Petroleum Geologists, eighth annual meeting, Shreveport: Moore, 1624.
Los Angeles meeting: Rickard, 1872.
American Geophysical Union, Washington, 1923: National Research Council, 1652.
British Association for the Advancement of Science, Toronto meeting: Keyes, 1234.
Geological Society of America, thirty-fifth annual meeting, Ann Arbor, December, 1922: Berkey, 133.
thirty-sixth annual meeting, Washington: Berkey, 134.
Cordilleran section, 21st annual meeting, 1922: Rogers, 1893.
twenty-second annual meeting, proceedings: Buwalda, 272.
Mineralogical Society of America, third annual meeting, Ann Arbor: Van Horn, 2323, 2324.
fourth annual meeting, Washington, 1923: Van Horn, 2325.

Associations, meetings—Continued.
Paleontological Society, fourteenth annual meeting, Ann Arbor, 1922: Bassler, 86.
fifteenth annual meeting, Washington: Bassler, 89.
Society of Economic Geologists, proceedings, 1921–1922: Lindgren, 1379.
Ann Arbor meeting: Anon., 2565.
New York City, May, 1923: Anon., 2566.
second annual meeting, Ann Arbor, 1922: Ball, 71.
Atlantic ridge, central, movement: Brouwer, 1220.
Aves.
Arizona, Benson: Wetmore, 2437.
Diatryma, plumage: Cockerell, 382.
supposed plumage: Edwards, 625.
Ilium in dinosaurs and birds: Romer, 1903.
Nebraska, Miocene and Pliocene: Wetmore, 2436.
Porto Rico, remains from caves: Wetmore, 2435.
Bakelite for cementing sections: Ross, 1911.
Barbados.
Historical geology.
General: Wilmore, 2487.
Barium: Stose, 2162.
Barrell's work on sedimentation: Vaughan, 2337.
Barytes.
Canada: Spence, 2112.
General: Ladoo, 1297; Siebenthal, 2063.
Basin range structure: Keyes, 1225.
Basin range structure in the Great Basin: Louderback, 1413.
Batholiths. *See also* Intrusions.
Colorado, central: Crawford, 469.
Batrachia. *See* Amphibia.
Bauxite.
Appalachian bauxite deposits: Nelson, 1656.
Association with siderite: Burchard, 257.
British Columbia: Dunn, 608.
Formation in sink holes: Adams, 1.
General: Hill, 928, 933; Morse, 1637.
Georgia, Coastal Plain: Stull, 2172.
Mississippi: Burchard, 257; Morse, 1637.
Origin: Nelson, 1656.
United States: Morse, 1637; Musset, 1646.
Beaches. *See* Shore lines; Terraces.
Beartooth Mountains, Montana: Bevan, 155.
Bellevue oil field, Louisiana: Holman, 969.
Bentonite.
Canada: Spence, 2110.
western: Spence, 2111.
In Upper Cretaceous of Louisiana: Bramlette, 195.
Bermuda.
Paleontology.
Poecilozonites: Pilsbry, 1756.
Physical geology.
Fossil soils: Sayles, 1974.
Beryllium: Copaux, 448.
Bibliography.
Antigua: Earle, 615.
Arkansas, diamond deposits: Mitchell, 1599.
Hot Springs district: Purdue, 1784.
Barrell, Joseph, writings: Gregory, 803.
Brush, G. J., writings: Dana, 508.
Bibliography—Continued.
California, coal: Boalich, 166.
limestone deposits: Laizure, 1307.
southeastern: Brown, 221.
Catalogue of bibliographies in geology, 1896–1920: Mathews, 1492.
Cement: Burchard, 259.
Colorado, Denver Basin: Johnson, 1100.
northwestern: Johnson, 1103.
southwestern: Johnson, 1104.
Concretions: Kindle, 1260.
Contact metamorphism of basic igneous rocks: Schwartz, 2001.
Costa Rica: Redfield, 1814.
Cox, G. H., writings: Dake, 491.
Cretaceous-Eocene transition beds: Thom, 2212.
Crinoidea, Devonian, New York: Goldring, 764.
Geologic literature on North America, 1785–1918: Nickles, 1667.
Grand Canyon of the Colorado: Darton, 509.
Greenland: Koch, 1288.
Gulliver, F. P., writings: Davis, 520.
Gypsum: Wilder, 2469.
Haiti: Woodring, 2533.
Hills, R. C., writings: George, 735.
Honduras: Redfield, 1815.
Idaho: Campbell, 295.
Isostasy: Knopf, 1281.
Jamaica: Matley, 1496.
Jillson, W. R., writings: Jillson, 1075.
Kansas, Cretaceous: Twenhofel, 2295.
Permian: Dunbar, 596.
Kentucky: Jillson, 1066.
Labrador: Kindle, 1261.
Mammoth Cave: Jillson, 1065.
Mississippi River, drainage problem: Schoewe, 1985.
Missouri, Devonian: Branson, 199.
North American geology, 1921–22: Nickles, 1668.
Oil shales: Reeves, 1837; Winchester, 2515.
Oregon, John Day region: Jillson, 1063.
Peat: Haanel, 828.
Pennsylvania, Piedmont region: Smith, 2079.
Petroleum: Burroughs, 261, 262.
Phosphates: Mansfield, 1481.
Porto Rico, Lares district: Hubbard, 1002.
Ponce district: Mitchell, 1598.
Potash: Mansfield, 1477, 1480.
Quebec: Clark, 351.
Quicksilver: Evans, 662; Ross, 1915.
Ripplemark: Kindle, 1264.
Scudder, S. H., writings: Mayor, 1511.
Spencer, J. W. W., writings: Shaw, 2036.
Texas, McLennan County: Adkins, 6.
northeastern: Fohs, 701.
Todd, J. E., writings: Keyes, 1167; Leverett, 1365.
Van Hise, C. R., writings: Chamberlin, 323.
Vogdes, A. W., writings: Dumble, 592; Keyes, 1223.
Wadsworth, M. E., writings: Lane, 1322.
Williston, S. W., writings: Lull, 1432.
Winchell, H. V., writings: Kemp, 1151; Keyes, 1200.
Big Thompson River valley, Colorado, physiographic development: Fuller, 720.

Biography.
Adams, F. D.: Anon., 2573.
Barrell, Joseph: Gregory, 803; Vaughan, 2337
Bostwick, T. A.: Dunbar, 598.
Branner, J. C.: Smith, 2080.
Brooks, A. H.: Spurr, 2126.
Brush, G. J.: Dana, 508.
Camsell, Charles: Murray, 1645.
Chamberlin, T. C.: Keyes, 1195.
Cox, G. H.: Dake, 491.
De Montessus de Ballore: Hobbs, 955.
Dumble, E. T.: Keyes, 1241.
Emmons, Ebenezer: Keyes, 1191.
Gale, H. S.: Anon., 2575.
Gulliver, F. P.: Davis, 520.
Hambach, Gustav: Klem, 1274.
Hayden, F. V.: Keyes, 1221.
Hills, R. C.: George, 735.
Hinrichs, G. D.: Keyes, 1185, 1217.
Holbrook, Levi: Kemp, 1148.
Hovey, E. O.: Berkey,136; Keyes, 1245; Kemp, 1152; Anon., 2576.
Keele, Joseph: Malcolm, 1469.
Ledoux, A. R.: Kemp, 1150.
Leidy, Joseph: Clarke, 360; Osborn, 1689, 1690; Scott, 2007, 2008.
Little, George: Little, 1389.
Luther, D. D.: Clarke, 369.
Mackenzie, J. D.: Anon., 2564.
Marcou, Jules: Keyes, 1208.
Matthew, G. F.: Matthew, 1508.
Miller, W. G.: Anon., 2570.
Owen, D. D.: Keyes, 1173.
Pumpelly, Raphael: Keyes, 1204; Willis, 2484, Anon., 2569.
Purington, C. W.: Ludlum, 1430.
Rohn, Oscar: Leith, 1361.
Scudder, S. H.: Mayor, 1511.
Spencer, J. W. W.: Shaw, 2036.
Springer, Frank: Keyes, 1212.
Stevenson, J. J.: Keyes, 1237.
Teller, E. E.: Teller, 2199.
Todd, J. E.: Keyes, 1167, 1216; Leverett, 1365.
Tyrrell, J. B.: Murray, 1644.
Van Hise, C. R.: Chamberlin, 323.
Vogdes, A. W.: Dumble, 592; Keyes, 1223, Resser, 1856.
Wadsworth, M. E.: Lane, 1322.
Walcott, C. D.: Anon., 2563.
Whittaker, E. J.: Kindle, 1269.
Williams, G. H.: Keyes, 1181.
Williston, S. W.: Lull, 1432.
Winchell,H.V.: Gray,795; Kemp, 1151; Keyes, 1200; Anon., 2567.
Wright, G. F.: Hubbard, 1003.
Birds. *See* Aves.
Bismuth: Cottrell, 458; Heikes, 896, 902.
Bituminous rocks and sands. *See also* Oil shale.
Alberta, northern, bituminous sands: Clark, 350; Ells, 636, 637, 638, 639, 640.
California: Vanderleck, 2321.
Iowa, Linn County: Dille, 562.
Block diagrams: Lobeck, 1394.
Bonaventure formation, geological age: Clarke, 366.
Bone, fossil, mineralogy and petrography: Rogers, 1896.
Borax.
California: Foshag, 706.
Nevada: Foshag, 706.
Borings.
Alberta, Waterways: Allan, 23.
Apparatus for measurement of temperatures in deep wells: Van Orstrand, 2330.
Arizona, Camp Verde: Jenkins, 1057.
British Columbia, Fraser River Delta: Johnston, 1107.
Colorado, Fort Collins: Ball, 69, 70.
Fused sedimentary rocks in drill cores: Bowen, 174.
Georgia, Coastal Plain: Prettyman, 1776.
Illinois: Krey, 1293.
Carlyle-Centralia district: Shaw, 2035.
Decatur area: Collingwood, 419.
Jacksonville area: Collingwood, 416.
Indiana, southwestern: Logan, 1402.
Iowa, Ida County: Lees, 1347.
Winfield: Lindly, 1387.
Kentucky, Bowling Green: Nelson, 1659.
Princeton quadrangle: Weller, 2426.
Webster County: Glenn, 759.
Louisiana, Webster Parish: Ponton, 1764.
Mexico, Isthmus of Tehuantepec: Huntley, 1034.
Vera Cruz, Idolo Island: Dumble, 593.
Michigan, Detroit: Vanderwilt, 2322.
Mississippi: Lowe, 1427.
Missouri: Krey, 1293; Wilson, 2497.
Montana, faulted area south of Bearpaw Mountains: Reeves, 1836.
Nova Scotia, Sydney coal field: Hayes, 883.
Oklahoma, Stonewall quadrangle: Morgan, 1632.
Ontario, Romney: Davis, 516.
Texas, Amarillo district: Harrison, 861.
Colorado County: Bailey, 57.
McLennan County: Adkins, 6.
Minerva field, Milam County: Hager, 829.
Potter County: Patton, 1728.
western: Mansfield, 1474.
Utah, San Juan field: Miser, 1597.
Well samples, care of: Robinson, 1890.
West Virginia, Grant County: Reger, 1839.
Wisconsin: Thwaites, 2245.
Botany, fossil. See Paleobotany.
Boudinage: Quirke, 1786.
Boulders.
Kentucky, glacial boulders: Jillson, 1089.
Brachiopoda.
Alberta, Devonian: Kindle, 1268.
Cambrian: Walcott, 2356.
Ontario, Toronto area: Parks, 1710.
Ozarkian: Walcott, 2356.
Pugnoides, Devonian, Iowa: Thomas, 2219.
Rhynchotrema and Zygospira, Black River Fenton, 678.
Stropheodonta demissa, evolution in Snyder Creek shales: Branson, 198.
Brass ore in nature: Keyes, 1172.
British Columbia.
Coal resin, Coalmont: Steele, 2139.
General: Dolmage, 570.

British Columbia—Continued.
Reconnaissance, Skeena River to Stewart: Hanson, 856.
Areas described.
Alberni area, Vancouver Island: MacKenzie, 1458.
Cariboo district, Barkerville area: Uglow, 2305.
Cedar Creek area: Johnston, 1108.
Cheam Range: Cairnes, 280.
Coast and islands between Douglas Channel and the Alaskan boundary: Dolmage, 568.
Coquihalla area: Cairnes, 281.
Dewdney Trail: Cairnes, 279.
Fraser River Delta map area: Johnston, 1107.
Kettle Valley: Cairnes, 279.
Kitsault River to Skeena River: Hanson, 853.
Peace River canyon coal area: McLearn, 1461.
Yale district, Silver Creek, Skagit and Similkameen rivers: Cairnes, 282.
Economic geology.
Alberni area, Vancouver Island: MacKenzie, 1458.
Anyox copper deposits: Clapp, 342, 343.
B. C. silver mine, Stewart district: Dolmage, 573.
Bauxite: Dunn, 608.
Cariboo district, Barkerville area: Uglow, 2305.
Cheam Range, Lucky Four ore deposits: Cairnes, 280.
Coal, Vancouver Island: MacKenzie, 1457.
Coalmont amber: Wilson, 2488.
Coast and islands between Douglas Channel and the Alaskan boundary: Dolmage, 568.
Coast Range ore deposits: Brewer, 211.
Dolly Varden mine, Kitsault River district: Hanson, 854.
Eocene coal basin, Chu Chua: Uglow, 2303.
General: Brock, 216; Nichols, 1666; Robertson, 1883, 1884.
Gold, Barkerville area: Johnston, 1109.
Cedar Creek area: Johnston, 1108.
Kootenay region: Langley, 1327.
Lardeau district: Bancroft, 75.
Mineral deposits: Wilson, 2502.
Mining industry, 1922: Robertson, 1883.
1923: Robertson, 1884.
Nickel ore, Yale district: Cairnes, 284.
Northwestern British Columbia: Hanson, 858.
Ore deposits, prospecting: Uglow, 2310.
Peace River canyon coal area: McLearn, 1461.
Placer gold, Barkerville area, Cariboo district, origin: Uglow, 2306.
Platiniferous rocks, Tulameen area, Yale district: Poitevin, 1761.
Portland Canal district: Hanson, 857.
Premier mine, northwestern British Columbia: Hanson, 855.
Quartz veins, Barkerville, Cariboo district: Uglow, 2304.
Salmon River valley: Banks, 76.
Salmon River district: Schofield, 1988.
Southwestern British Columbia, Yale and Similkameen mining divisions: Cairnes, 279.
Western mineral belts: Dolmage, 572.
Windpass gold mine, Chu Chua: Uglow, 2308.
British Columbia—Continued.
Economic geology—Continued.
Yale district, Hillsbar gold claims: Cairnes, 283.
Zinc, East Kootenay district: Whittemore, 2463.
Zinc and lead: Robinson, 1885.
Historical geology.
Barkerville, Cariboo district: Uglow, 2304.
Beaverfoot-Brisco-Stanford Range: Walcott, 2357.
Bow River section, Banff: Kindle, 1266.
Cambro-Ordovician section near Mount Robson: Burling, 260.
Cordillera, geological record: Schofield, 1987.
Cordilleran formations, nomenclature: Walcott, 2355.
Eocene coal basin, Chu Chua: Uglow, 2303.
Geologic record: Schofield, 1989.
Mesozoic formations: Goranson, 771.
North Thompson Valley: Uglow, 2307.
Pre-Devonian deposits: Walcott, 2359.
Sooke formation, Vancouver Island: Clark, 345.
Southwestern British Columbia, Yale and Similkameen mining divisions: Cairnes, 279.
Vancouver Island, coal measures: MacKenzie, 1457.
Mineralogy.
Lansfordite, Atlin: Poitevin, 1763.
Paleontology.
Cambrian: Walcott, 2356.
Cretaceous Mollusca: Reagan, 1806.
Marpolia, Cambrian Alga: Walton, 2385.
Palliseria, upper Ordovician: Wilson, 2490.
Sooke formation, Vancouver Island, fauna: Clark, 345.
Petrology.
Post-Pleistocene volcanics, Milbank Sound region: Dolmage, 569.
Physical geology.
Concretions: Kindle, 1260.
Robson Glacier, motion: Wheeler, 2438.
Physiographic geology.
Cretaceous peneplain, southern British Columbia: Uglow, 2307.
Brockville-Mallorytown area, Ontario: Wright, 2545.
Bromine: Cottrell, 459, 463.
British Honduras.
Economic geology.
Cassiterite: Jones, 1120.
British Virgin Islands, geology: Earle, 617.
Bryozoa.
Carboniferous, Oklahoma: Morgan, 1632.
North American later Tertiary and Quaternary: Canu, 299.
Ontario, Toronto area: Parks, 1710.
Tertiary: Canu, 300.
Building stone. *See also* Granite; Limestone; Sandstone; Stone.
General: Richardson, 1862.
Kentucky: Richardson, 1862.
Oklahoma: Oakes, 1675.
Burbank field, Osage County, Oklahoma: Sands, 1949.

Burket-Seeley oil pool, Greenwood County, Kansas: Loomis, 1412.
Cadmium: Siebenthal, 2058.
Cahokia Mounds, Illinois, geological aspects: Leighton, 1356.
origin: Leighton, 1352.
Calcites, behavior to radium radiations: Headden, 887.
luminescence: Headden, 888.
Calcium chloride: Cottrell, 459, 463.
Caliche: Udden, 2300; formation: Wanless, 2387.
California.
Geologic features: Bailey, 55.
Areas described.
Humboldt County: Thornbury, 2234.
Iron Canyon, Sacramento River: Hamlin, 839; Lawson, 1333.
Los Angeles County: Kew, 1159.
Sacramento Valley: Bryan, 239.
Salton Sea region: Brown, 221.
Ventura County: Kew, 1159.
Economic geology.
Asphalt and bituminous sand deposits: Vanderleck, 2321.
Avawatz Mountains: Tucker, 2285.
Belridge and North Belridge oil fields, Kern County: Boezinger, 169.
Borax: Foshag, 706.
Calaveras County, West Point district: Logan, 1398.
Clay, Alberhill, Riverside County: Hill, 927.
Coal, bibliography: Boalich, 166.
Copper, Shasta, County: Tucker, 2288.
Development of oil fields: Moran, 1628.
Devils Den oil field, Kern County: Huguenin, 1010.
Diatomiferous horizons and petroleum deposits: De Landero, 554.
Dry placers, southern California: Haley, 833.
Early oil development: Orcutt, 1685.
Gold, silver, copper, lead, and zinc: Hill, 931.
Gold, Wilshire district: Turner, 2290.
Gold lodes, East Fork district, Trinity County: Tucker, 2286.
Gold placers: Haley, 835.
Gold ores, Grass Valley: Howe, 995.
Gypsum, southern California: Newman, 1665.
Hovey Hills oil field, Kern County: Saunders, 1963.
Huntington Beach oil field, Orange County: Case, 308; Gester, 742.
Iron ore: Boalich, 165.
Limestone deposits, bibliography: Laizure, 1307.
Long Beach oil field: Case, 307; Schwennesen, 2005.
Los Angeles basin, oil fields: Milner, 1590.
Los Angeles basin, structure: Eaton, 620.
Los Burros district, Monterey County: Hill, 926.
Lost Hills oil field, Kern County: McCabe, 1440.
Mineral production, 1922: Bradley, 192.
1923: Bradley, 193.
Mineral resources: Hamilton, 838.
Oil field waters: Palmer, 1702.
California—Continued.
Economic geology—Continued.
Oil fields: Collom, 428.
Ventura County: 2187.
Oil shale, Santa Barbara County: Gore, 783, 784.
Petroleum: Landero, 1315; Legraye, 1350.
Los Angeles and Ventura counties: Kew 1159.
Petroleums, chemical characteristics: Prutzman, 1783.
Placers: Haley, 834.
Poso Creek oil field, Kern County: Kaiser, 1129.
Primary and secondary gold concentrations: Haley, 836.
San Joaquin Valley oil fields: Stevens, 2146.
Santa Fe Springs oil field: Case, 306; Templeton, 2200.
Silver lodes, South Fork district, Shasta County: Tucker, 2287.
South Mountain oil field, Ventura County: Hudson, 1007.
Sunset Extension oil field, Kern County: Rogers, 1901.
Thirty-five Anticline, Sunset oil field, Kern County: Copp, 449.
Ventura County oil fields: Godde, 762.
Ventura oil field, Ventura County: Craddock, 466.
Wheeler Ridge oil field, Kern County: Kaiser, 1128.
Historical geology.
Catalina metamorphic facies of Franciscan series: Woodford, 2530.
Coalinga Tertiary formations: Reed, 1820.
Geologic formation names, check list: Bailey, 54.
Geological traverse, Mohave to San Juan River: Gregory, 802.
Lomita beds, constitution and fossils: Hanna, 843.
Mesozoic formations: Goranson, 771.
Monterey (Salinas) shales, Pine Canyon, Monterey County: Stalder, 2129.
San Joaquin Valley: Stevens, 2146.
San Lorenzo group, San Emigdio region: Wagner, 2352.
Santa Ynez River basin: Nelson, 1653.
Southern California: Kew, 1157.
Ventura County: Taliaferro, 2187.
Mineralogy.
Andalusite, Mono County: Peck, 1733.
Centrallasite, Crestmore: Foshag, 705.
Coalinga Tertiary formations, rôle of heavy minerals: Reed, 1820.
Copiapite, Santa Maria Mountains, eastern Riverside County: Schairer, 1976.
Furnace Creek, Death Valley: Foshag, 703.
Hydromagnesite, crystallography: Rogers, 1894.
Kempite, Santa Clara County: Rogers, 1898.
Magnesite, San Jose: Rogers, 1895.
Minerals: Eakle, 610.
Priceite, Furnace Creek, Inyo County: Foshag, 704.
Xonotlite: Larsen, 1329.

California—Continued.
Paleontology.
Algae, Miocene, Los Angeles: Gardner, 730.
Alticamelus, San Bernardino County: Davidson, 514.
Cats, Rancho La Brea: Merriam, 1523.
Crassatellites, Pleistocene, Los Angeles County: Oldroyd, 1680.
Cretaceous Mollusca: Reagan, 1806.
Echinoidea, west coast: Israelsky, 1041.
Eocene, Vacaville: Palmer, 1703.
Foraminifera, Eocene, Vacaville: Hanna, 845.
Fossil fishes: Hubbs, 1006.
Fishes, Miocene: Jordan, 1122.
Lompoc, Santa Barbara County: Jordan, 1125.
Fossil sharks and rays: Jordan, 1124.
Gastropod, Etchegoin Pliocene: Hanna, 846.
Human remains, Los Angeles: Stock, 2150.
Lomita beds, constitution and fossils: Hanna, 843.
Miocene lacustrine mollusks, Sonoma County: Hanna, 842.
Pine cone, Oakland: Metcalf, 1548.
Rimella-like gastropods: Clark, 346.
San Lorenzo group, San Emigdio region: Wagner, 2352.
San Pedro fauna, Nob Hill cut, San Pedro: Oldroyd, 1681.
Whale, Monterey group: Hanna, 849.
Physical geology.
Anticlinorium, southern coast: Warner, 2394.
Basin range structure in the Great Basin: Louderback, 1413.
Correlative value of heavy minerals: Tickell, 2246.
Earth movements: Bowie, 181, 183.
Earthquakes: Willis, 2485.
Corralitos, September 19, 1923: Macelwane, 1447.
Inglewood, June 21, 1920, geologic evidence: Kew, 1158.
January 31, 1922: Macelwane, 1446.
northern California, January 22, 1923: Anon., 2574.
registration: Macelwane, 1450, 1451.
Salinas, December 27, 1924: Kemnitzer, 1147.
southern California, July 22, 1923: Laughlin, 1331.
Fault map: Willis, 2477, 2478, 2479.
Faulting, San Gabriel Mountains: Kew, 1160.
Faults of Coast Ranges: Willis, 2483.
Fused sedimentary rocks in drill cores: Bowen, 174.
Garnet sand on beach, Monterey County: Trask, 2266.
Geologic section across the Coast Ranges: Louderback, 1414.
Inglewood fault zone: Taber, 2186.
Jointing, Merced Canyon: Morse, 1639.
Los Angeles Basin, oil-field structure: Ferguson, 682.
Mount Lassen: Colburn, 397.
Seismological investigation: Day, 539.
Physiographic geology.
Classification and nomenclature of physiographic features: Hill, 936.
California—Continued.
Physiographic geology—Continued.
Continental shelf off the coast: Lawson, 1336.
Glacial stages, Sierra Nevada: Matthes, 1501.
Hanging side valleys, Yosemite Valley, and San Joaquin Canyon: Matthes, 1502.
Sand rivers: Hill, 938.
Santa Clara Valley: Clark, 355.
Scarp production in Great Basin: Louderback, 1415.
Underground water.
Hot springs, Lassen National Park, source of heat and water: Day, 541.
Sonoma County: Day, 542.
Huntington Beach oil field: Grizzle, 815.
Oil-field waters: Palmer, 1702.
Sacramento Valley: Bryan, 239.
Salton Sea region: Brown, 221.
Santa Clara Valley: Clark, 355.
Cambrian. *See also* Paleontology, Cambrian.
Arizona, Ray quadrangle: Ransome, 1792.
Arkansas: Miser, 1591.
British Columbia, Beaverfoot-Brisco-Stanford Range: Walcott, 2357.
Bow River section, Banff: Kindle, 1266.
Mount Robson region, Cambro-Ordovician section: Burling, 260.
Colorado: Keyes, 1227.
Cordilleran formation, nomenclature: Walcott, 2355.
Greenland, Peary Land: Koch, 1289.
Illinois: Thwaites, 2245.
Kings quadrangle: Bretz, 205.
Iowa, Ida County: Lees, 1347.
Mackenzie, Franklin Mountains: Williams, 2473.
Mackenzie River between Norman and Beaver River: Hume, 1013.
Missouri: Wilson, 2497.
Montana, Beartooth Mountains: Bevan, 155.
Nevada: Keyes, 1192.
Manhattan district: Ferguson, 679.
New Hampshire, Ammonoosuc district: Ross, 1913.
New York, Luzerne quadrangle: Miller, 1583.
Ontario, Brockville-Mallorytown area: Wright, 2545.
Oklahoma, southern Ouachita Mountains: Honess, 975.
Stonewall quadrangle: Morgan, 1632.
Pennsylvania, McCalls Ferry quadrangle: Jonas, 1112.
Piedmont Plateau: Knopf, 1282.
southeastern: Hawkins, 869; Stose, 2163.
Pennsylvania and Maryland, Piedmont province: Stose, 2160.
Subdivisions: Resser, 1857.
Tennessee, east: Secrist, 2014.
Utah: Keyes, 1219.
Vermont, Bethel Township: Richardson, 1864.
northwestern: Keith, 1139; Raymond, 1804.
Orange County, Randolph Township: Richardson, 1863.
Shoreham and Bridport: Foyles, 714.
western: Gordon, 773.
Wisconsin: Thwaites, 2245; Ulrich, 2315.
Wyoming, Wind River Mountains: Condit, 433.

Canada (general). *See also names of provinces.*
Central Arctic coast: O'Neill, 1682.
Field work of Survey: Collins, 426.
Geological Survey, report: Collins, 425.
Glaciation, effect on prospecting for mineral deposits: Tanton, 2192.
Index to reports of Canada Geological Survey: Nicolas, 1669.
Economic geology.
Abrasive materials: Eardley-Wilmot, 612.
Alkali deposits, western Canada: Cole, 401, 402.
Barytes: Spence, 2112.
Bentonite: Spence, 2110, 2111.
Copper, Arctic Canada: Douglas, 576.
Diatomaceous earth: Eardley-Wilmot, 614.
Feldspar: Eardley-Wilmot, 611; Spence, 2110.
Fluorspar: Eardley-Wilmot, 611.
General: Bell, 125; Corless, 450; Malcolm, 1468, 1470.
Gold: Webb, 2418.
Graphite: Eardley-Wilmot, 611.
Helium: Elworthy, 647.
Liquid fuels: Hume, 1020.
Metallogenesis and pre-Cambrian: Baker, 66.
Mineral pigments: Fréchette, 716.
Mineral resources: Graham, 792; Malcolm, 1471.
Mineral wealth of the pre-Cambrian: Corless, 451, 452.
Mining in Canada: Tyrrell, 2297.
Molybdenum: Eardley-Wilmot, 611, 613.
Nonmetallic minerals: Spence, 2109.
Oil reserves: Arnold, 43.
Oil shales: Ells, 635.
Oil situation and prospects: Hume, 1019.
Ore deposits, occurrence: Kelly, 1146.
Precious metals: Wilson, 2489.
Prospecting: Dolmage, 571.
Silica, eastern Canada: Cole, 400.
Sodium and magnesium salts, western Canada: Cole, 404.
Talc and soapstone: Eardley-Wilmot, 611.
Historical geology.
Climate, pre-Cambrian: Coleman, 412.
General: Collins, 427.
Grenville subprovince: Wilson, 2501.
Pre-Cambrian: Miller, 1582.
Pre-Cambrian time scale: Young, 2554.
Mineralogy.
Pegmatites, age: Walker, 2378.
Physical geology.
Concretions: Kindle, 1260.
Physiographic geology.
General: Collins, 427; Corless, 450.
Glacial features: Coleman, 407.
Canal Zone. *See* Panama.
Cannel coal.
Pennsylvania: Fettke, 685.
Cape Breton Island. *See* Nova Scotia.
Capillary relationships of oil and water: Cook, 434.
Carbon dioxide from wells in Colorado: Duce, 586.
Carbonaceous materials, origin: Young, 2557.
Carbonaceous shales, organic material: Washburne, 2396.
Carboniferous. *See also* Paleontology, Carboniferous.
Alaska, Chitina Valley: Moffit, 1603.
Kotsina-Kuskulana district: Moffit, 1602.
Carboniferous—Continued.
Alberta, Saunders Creek and Nordegg coal basins: Allan, 21.
Arizona, Hopi Buttes volcanic field: Reagan, 1807.
northeastern: Moore, 1619.
Ray quadrangle: Ransome, 1792.
Arkansas: Miser, 1591.
Hot Springs district: Purdue, 1784.
British Columbia, Bow River section, Banff: Kindle, 1266.
Cariboo district, Barkerville area: Uglow, 2305.
Coquihalla area: Cairnes, 281.
southwestern: Cairnes, 279.
Yale district: Cairnes, 282.
Cape Breton, Great Bras d'Or coal district: Bell, 128.
Colorado: Keyes, 1227.
Moffat County: Sears, 2010.
red beds of Front Range: Tieje, 2247.
General: Keyes, 1209.
Greenland, Peary Land: Koch, 1289.
Idaho, Bingham, Bonneville, and Caribou counties: Kirkham, 1273.
Illinois: Culver, 481.
Adams County, northeastern: Currier, 484.
Carlyle-Centralia district: Shaw, 2035.
Jacksonville area: Collingwood, 416.
La Harpe and Good Hope quadrangles: Savage, 1965.
Mississippi Valley: Krey, 1293.
Morris quadrangle: Culver, 480.
northwestern: Culver, 482; Pennsylvanian correlation: Culver, 482.
Pennsylvanian marine faunas: Savage, 1968.
southern: Weller, 2425.
Waterloo anticline: Lamar, 1310.
Indiana: Logan, 1401.
southwestern: Logan, 1402.
Iowa: Howell, 1000.
Lake Calvin region: Schoewe, 1985.
Missouri series: Tilton, 2253.
Kansas, Permian unconformity: Chadwick, 315.
Kentucky, Pottsville-filled channel in Mississippian: Burroughs, 263.
Princeton quadrangle: Weller, 2426.
Mackenzie, Kinderhook: Hume, 1014.
Madison limestone: Keyes, 1194.
Maryland: Swartz, 2176, 2177.
Mississippi: Morse, 1637.
Mississippian: Keyes, 1194.
Mississippian formations, early: Moore, 1623.
Missouri: Wilson, 2497.
Mississippi Valley: Krey, 1293.
St. Louis County, Mississippian section: Shipton, 2055.
Montana: Bauer, 1041.
Beartooth Mountains, Bevan, 155.
Kevin-Sunburst oil field: Clark, 348.
Nevada: Keyes, 1192.
Manhattan district: Ferguson, 679.
New Brunswick: Bell, 131.
Minto coal basin: Dyer, 609.
North Carolina, Permian at base of Newark: Cobb, 374.

Carboniferous—Continued.
Nova Scotia: Bell, 131.
coal-bearing formations: Bell, 130.
Minto coal horizon: Bell, 129.
Sydney coal field: Hayes, 883.
Ohio: Stout, 2167.
Columbiana County: Stout, 2169.
Summerfield and Woodsfield quadrangles: Condit, 432.
Oklahoma, Arbuckle area, Pontotoc series: Morgan, 1630.
eastern: Trager, 2264.
Franks and Seminole formations, stratigraphic position: Morgan, 1634.
Glenn formation: Girty, 757.
Henryetta district: Reed, 1817.
Pershing oil and gas field: Rubey, 1920.
Robberson field: Denison, 558.
southern: Dunbar, 599.
southern Ouachita Mountains: Honess, 975.
southwestern: Gould, 788; Sawyer, 1970.
Stanley-Jackfork series: Honess, 976.
Stonewall quadrangle: Morgan, 1632, 1633.
Tonkawa field: Hosterman, 984.
Verden sandstone: Reed, 1818.
Wildhorse area: Brockway, 218.
Pennsylvania: Sisler, 2069.
Loyalhanna limestone: Butts, 270.
lower Allegheny-Pottsville section: Renick, 1851.
Permian: Keyes, 1246.
Permian investigations: Case, 303, 304.
Quebec, Bonaventure formation: Clarke, 366.
Red beds of Chester age, Mid-Continent region: Greene, 799.
Redwall limestone, Grand Canyon: Keyes, 1169.
South Dakota, Black Hills region, Minnekahta limestone: O'Harra, 1678.
Tennessee: Nelson, 1659.
Chattanooga shale: Swartz, 2183.
Texas, Culberson County: Udden, 2302.
Culberson County, University Block: Beede, 115.
Potter County: Patton, 1728.
Utah: Keyes, 1219.
Grand and San Juan counties: Prommel, 1780.
San Juan Canyon: Miser, 1594, 1597.
southeastern: Longwell, 1404.
Virginia, southwestern, black shale: Stose, 2164.
Wise and northern Scott counties: Eby, 621.
West Virginia, Mineral and Grant counties: Reger, 1839.
Tucker County: Reger, 1838.
Wyoming, Lost Soldier-Ferris district: Fath, 670.
Wind River Mountains: Condit, 433.
Carlyle-Centralia folio, Illinois (no. 216): Shaw, 2035.
Carnotite. *See also* Radium.
Colorado, near Denver: Wilson, 2495.
Nevada, southern: Hewett, 920.
Cartography.
Planetable methods: English, 656.
Caves.
Carlsbad Cavern, New Mexico: Lee, 1343.
Caves—Continued.
Indiana, Marengo Cave: Speckman, 2107.
Kentucky: Jillson, 1088.
southern: Miller, 1565.
Mammoth Cave, Kentucky: Randolph, 1791.
bibliography: Jillson, 1065.
Missouri, Ozarks: Dake, 492.
New Mexico, Guadalupe Mountains: Baker, 63.
Oregon, lava river tunnel: Williams, 2472.
Cayman Islands, geological survey: Matley, 1500.
Cement materials: Bagley, 53; Burchard, 259.
Central America. *See also* Costa Rica, Guatemala, etc.
Economic geology.
Oil reserves: Redfield, 1811.
Cephalopoda. *See also* Mollusca.
Colorado group, Montana: Reeside, 1826.
Eutrephoceras, Eocene, South Carolina: Reeside, 1829.
Gerontic ammonites, Duck Creek formation, Texas: Scott, 2006.
Goniatites of Iowa: Thomas, 2224.
Michigan, Devonian: Ehlers, 627.
Ochetoceras, phylogeny: O'Connell, 1677.
Ontario, Toronto area: Parks, 1711.
Ordovician and Silurian: Foerste, 699.
Ozarkian: Walcott, 2356.
Phases of adaptation: Dunbar, 597.
Silurian, northern Michigan: Foerste, 698.
Cetacea. *See* Mammalia.
Chalcedony veins, south Dakota: Lawler, 1332.
Changes of level. *See also* Beaches; Shore lines; Terraces.
British Columbia, Fraser River Delta: Johnston, 1107.
Nova Scotia: Goldthwait, 766.
Sea coast near Wolfville: Churchill, 340.
Vertical earth adjustments, rate of movement: Hobbs, 952.
Chattanooga shale, Tennessee, age: Swartz, 2183.
Chemical analyses. *See list, p. 245.*
Chemung group, stratigraphy in western New York: Chadwick, 312.
Chert. *See also* Flint.
Newfoundland, ferruginous chert formations: Sampson, 1942.
Origin: Sampson, 1942.
Chitina Valley, Alaska: Moffit, 1603.
Chromite.
General: Sampson, 1940, 1946.
Pennsylvania: Pennsylvania G. S., 1734.
Cincinnati anticline, dimensions: Hubbard, 1005.
Classification.
Igneous rocks: Hodge, 956, 957.
Pisces: Jordan, 1123.
Rocks, genetic classification: Sen, 2019.
Clay. *See also* Fire clay.
Alberta, Athabasca River: Hume, 1017.
California, Riverside County, Alberhill: Hill, 927.
Diaspore clay, Arkansas and Missouri: Wysor, 2553.
Florida: Bell, 127.
General: Middleton, 1558, 1559; Stout, 2167.
Indiana: Logan, 1403.
Manitoba, Lake Agassiz basin: Wallace, 2382.

Clay—Continued.
Mineralogical examination of coal formation clays: McCaughey, 1442.
Minnesota: Grout, 818.
Ohio, coal formation clays: Stout, 2167.
Columbiana County: Stout, 2169.
Ontario: Keele, 1137.
Missinaibi River: Keele, 1136.
Origin of coal formation clays: Stout, 2168.
Texture and composition, relation: Grout, 818.
Washington: Glover, 761; Wilson, 2494.
Climate, geologic. *See* Paleoclimatology.
Climatic fallacy, venerable: Chamberlin, 320.
Coal. *See also* Lignite.
Alaska, Alaska Railroad region: Capps, 301.
Cold Bay-Chignik district: Smith, 2091.
Alberta: Rutherford, 1934.
Blackstone, Brazeau, and Pembina rivers foothills, Allan, 24.
Bow River coal basin: Dowling, 582.
Crows nest area: Rose, 1908.
Saunders Creek and Nordegg coal basins: Allan, 21.
Smoky, Hay, and Berland rivers: MacVicar, 1466.
Smoky River field: Anon., 2571.
British Columbia, Chu Chua, Eocene basin: Uglow, 2303.
Peace River canyon area: McLearn, 1461.
Vancouver Island: MacKenzie, 1457; Alberni area: MacKenzie, 1458.
Cape Breton, Great Bras d'Or coal district: Bell, 128.
Classification: Ashley, 48.
Coal resources of the Americas: Miller, 1572.
Coking coals, structure and origin: Jeffrey, 1051.
Colorado, Twentymile Park district of Yampa coal field, Routt County: Campbell, 291.
General: Tryon, 2283, 2284.
Illinois, analyses: Hawley, 872.
Carlyle-Centralia district: Shaw, 2035.
Morris quadrangle: Culver, 480.
Kentucky: Jillson, 1076.
asphalt coal: Jillson, 1079.
cannel coal: Jillson, 1084.
Webster County: Glenn, 759.
Maryland: Swartz, 2175.
Mexico: Obregon, 1676.
Microscopy of anthracite: Turner, 2291.
Montana, Tullock Creek coal field: Rogers, 1900.
New Brunswick, Minto basin: Dyer, 609.
New Mexico, O'Mara field: Keyes, 1176.
Raton field: Lee, 1341.
Nova Scotia, Sydney coal field: Hayes, 883.
Occurrence, composition, and origin: Fettke, 684.
Ohio: Campbell, 292.
analyses: Fieldner, 688.
Columbiana County: Stout, 2169.
Summerfield and Woodsfield quadrangles: Condit, 432.
Oil resources in coal: Fettke, 684.
Origin and constitution: Thiessen, 2209.
Origin and formation of coal: Jeffrey, 1052.
Pan-Pacific region: Johnson, 1093.
Coal—Continued.
Pennsylvania: Pennsylvania G. S., 1734; Sisler, 2069.
Allegheny Valley: Rayburn, 1799.
cannel coal: Fettke, 685.
"Soot" in coal: Scheffel, 1978.
South's coal fields: Thom, 2214.
Virginia, southwestern: Davenport, 513.
Wise and northern Scott counties: Eby, 621.
Washington: Evans, 661.
Skagit County: Jenkins, 1059.
West Virginia, Mineral and Grant counties: Reger, 1839.
Tucker County: Reger, 1838.
Wyoming, Green River field: Van Lennep, 2326.
Coal balls: Feliciano, 673; Noé, 1672.
Coal Measures. *See* Carboniferous.
Coast erosion.
North Carolina, Cape Hatteras: Rude, 1923.
Coastal Plain terraces, origin and age: Hay, 881.
Cobalt: Hess, 917, 919.
Cobble of peculiar shape: Wentworth, 2433.
Coelenterata. *See* Anthozoa; Hydrozoa; Invertebrates (general).
Cold Bay-Chignik district, Alaska: Smith, 2091.
Collections.
Colorado Museum, fossil mammals: Cockerell, 386.
Harvard College, Museum of Comparative Zoology, report on geological collections: Sayles, 1971, 1972; on invertebrate paleontology: Raymond, 1801, 1803.
U. S. National Museum: Merrill, 1527, 1528, 1529, 1537.
Colloidal geology: Wallace, 2380.
Colorado.
Bibliography, northwestern Colorado: Johnson, 1103.
southwestern Colorado: Johnson, 1104.
Geology of the Denver Basin, bibliography: Johnson, 1100.
Areas described.
Creede district: Emmons, 650.
Moffat County: Sears, 2010.
Twentymile Park district of Yampa coal field, Routt County: Campbell, 291.
Economic geology.
Carnotite near Denver: Wilson, 2495.
Creede, ore deposition: Lunt, 1435.
Gas and oil, Fort Collins: Ball, 69.
Gold, silver, copper, lead, and zinc: Henderson, 906, 911.
Mining districts: Johnson, 1105.
Natural gas, Fort Collins: Ball, 70.
Oil accumulation in Rocky Mountain region: Harrison, 862.
Oil and gas prospects, Moffat County: Sears, 2010.
Oil shale: Winchester, 2515.
Oil shale deposits, De Beque: Trager, 2265.
Secondary enrichment, Eagle mine, Bonanza: Wuensch, 2549.
Silver, Aspen: Bastin, 94.
Silver-bearing petrified wood, Creede: Hills, 943; Ring, 1878.

Colorado—Continued.
Economic geology—Continued.
Telluride district: Bell, 118.
Twentymile Park district of Yampa coal field, Routt County: Campbell, 291.
Historical geology.
Boring, Fort Collins: Ball, 69.
Browns Park formation and Bishop conglomerate: Sears, 2011.
Carlile shale and Timpas limestone, merging in southeastern Colorado: Patton, 1727.
Central City district: Hirschi, 945.
Dakota group: Lee, 1339.
Front Range, physical history: Van Tuyl, 2332.
Igneous rocks, central Colorado: Crawford, 469.
Laramie hiatus, southern Rocky Mountains: Keyes, 1213.
Northeastern Colorado: Anon., 2577.
Pre-Cambrian structure along Big Thompson River: Fuller, 721.
Red beds of Front Range, sedimentary features: Tieje, 2247.
San Juan Basin: Reeside, 1828.
South-central Colorado: Knowlton, 1286.
Wasatch and Green River formations, relations: Sears, 2012.
Mineralogy.
Calcites, luminescence: Headden, 889.
Carnotite and tyuyamunite: Hillebrand, 942.
Carnotite region minerals: Hess, 918.
Jefferisite, Westcliffe, Custer County: Waldschmidt, 2361.
Meteorite, Mesa Verde Park: Merrill, 1531, 1533.
Phosgenite, Ilse, Custer County: Waldschmidt, 2360.
Paleontology.
Animas formation, flora: Knowlton, 1287.
Colorado Museum, fossil mammals: Cockerell, 386.
Cretaceous, northern central Colorado: Reeside, 1825.
Diatryma, plumage: Cockerell, 382.
Dinosaur tracks, Cretaceous: Peterson, 1749.
Diplodocus, skull: Holland, 965.
Eocene Insecta: Cockerell, 389.
Eomyza holoptera, Green River beds, Roan Mountains: Cockerell, 391.
Eporeodons, White River beds: Thorpe, 2241.
Florissant fossils: Cockerell, 378.
Footprints in Pennsylvania sandstone: Henderson, 913.
Green River flora: Knowlton, 1285.
Hymenoptera, Florissant: Cockerell, 388.
Mammalia, Brown's Park: Peterson, 1746.
Mosquito, Eocene: Cockerell, 376.
Sawflies, Florissant: Cockerell, 379.
Scutellaster cretaceous Cragin: Reeside, 1830.
Siphlurites, Miocene May fly, Florissant: Cockerell, 387.
Tertiary lake beds flora: Knowlton, 1286.
Wasp, Hoplisus, Green River formation: Cockerell, 380.
Petrology.
Central City district: Hirschi, 945.
Igneous rocks, central Colorado: Crawford, 469.
Colorado—Continued.
Physical geology.
Carbonization of coals by igneous intrusion, Yampa field: Eby, 623.
Colorado Plateau, structural features: Moore, 1621.
Crustal shortening of Colorado Rockies: Chamberlin, 316.
Horizontal compression in Rockies: Shepard, 2047.
Northeastern Colorado, structure: Anon., 2577.
Red beds of Front Range, sedimentary features: Tieje, 2247.
Rocky Mountains, southern: Lee, 1340.
Physiographic geology.
Big Thompson River valley, physiographic development: Fuller, 720.
Grand Mesa, glacial geology: Henderson, 1912
Green and Yampa rivers, origin: Sears, 2011.
San Luis Valley, physiographic history: Atwood, 50.
Colorado Plateau, structural features: Moore, 1621.
Concretions.
Coal balls: Feliciano, 673.
Formation and distribution: Kindle, 1260.
Labrador, Lake Melville district: Kindle, 1261.
Petroleum-bearing concretions: Binney, 156.
Septaria, Pennsylvanian shale, Missouri: Grawe, 794.
Congresses. *See* Associations.
Coniferales, anatomy and physiology: Torrey, 2263.
Connecticut.
Economic geology.
Bristol copper mine: Bateman, 97.
Granite: Dale, 495; Gregory, 801.
Lime belt, western Connecticut: Dale, 496.
Petrology.
Camptonite dikes in Triassic: Russell, 1930.
Pillow structure in Triassic basalts: Foye, 711.
Physical geology.
Camptonite dikes in Triassic: Russell, 1930.
Faulting in Triassic: Foye, 709.
Physiographic geology.
Connecticut River near Middletown, postglacial history: Bissell, 162.
Continental shelf off the coast of California: Lawson, 1336.
Continental shifting: Coleman, 408.
Continents and oceans, origin: Wegener, 2420.
Copper.
Alaska, Alaska Railroad region: Capps, 301.
Beatson mine: Bateman, 100.
Chitina district: Birch, 157; Moffit, 1603.
Kotsina-Kuskulana district: Moffit, 1602.
Price William Sound district: Birch, 158.
Arizona: Heikes, 901.
Bisbee district: Elsing, 645.
Jerome district: Rickard, 1874; Smith, 2071.
Palomas Range: Keyes, 1220.
Ray quadrangle: Ransome, 1792.
British Columbia, Anyox: Clapp, 342, 343.
coast region: Dolmage, 568.
Coquihalla area: Cairnes, 281.
California: Hill, 931.
Shasta County: Tucker, 2288.
Canada, central Arctic coast: Douglas, 576; O'Neill, 1682.

Copper—Continued.
Capping as a guide to copper deposits: Mitchell, 1600.
Central States: Dunlop, 602, 606.
Chalcocite, primary, Bristol copper mine, Connecticut: Bateman, 97.
Colorado: Henderson, 906, 911.
Cuba, Santa Clara, Malezas: Corral, 454.
Eastern States: Dunlop, 601, 605.
General: Calkins, 286; Davis, 519; Jenison, 1056; Meyer, 1555.
Idaho: Gerry, 737, 739.
Salmon: Ross, 1914.
Shoshone County: Umpleby, 2316.
Magnetic surveying on copper-bearing rocks in Wisconsin: Aldrich, 17.
Mexico, Cananea: Mitchell, 1601; supergene enrichment: White, 2447.
Zacatecas: Keyes, 1220.
Montana: Gerry, 741.
Butte district: Daly, 507.
Park County: Lovering, 1425.
Nevada: Heikes, 895, 899.
New Hampshire, Ammonoosuc district: Ross, 1913.
New Mexico: Henderson, 904, 909.
Oklahoma, Garfield County: Reiter, 1847.
Ontario, Parry Sound: Schwartz, 2002.
Oregon: Hill, 932.
Pennsylvania; Pennsylvania G. S., 1734.
Quebec, Gaspe Peninsula: Alcock, 10.
Papineau County: Wilson, 2499.
South Atlantic States: Watson, 2412.
Tennessee, Ducktown: Gilbert, 744; Nelson, 1661.
Texas: Henderson, 905, 910.
Utah: Heikes, 900.
Bingham district: Hunt, 1025.
Washington: Gerry, 738, 740.
Wyoming: Henderson, 908.
Coquihalla area, British Columbia: Cairnes, 281.
Coral islands and reefs.
Atoll, tilted-up, beveled-off: Davis, 528.
Depth of coral-reef lagoons: Davis, 524.
Drowned coral reefs: Davis, 522.
Marginal belts of coral seas: Davis, 523, 525.
Origin: Davis, 529.
Cordillera in Canada, geological record: Schofield, 1987.
Correlation.
Alaska, southern and southwestern: Moffit, 1602.
Arizona, northeastern: Hager, 832; Moore, 1619.
Cambrian-Ozarkian-Ordovician: Walcott, 2355.
Caribbean region: Vaughan, 2338.
Cretaceous, Upper, Atlantic and Gulf Coastal Plain: Stephenson, 2143.
Dakota group, Colorado and Wyoming: Lee, 1339.
General: Keyes, 1209, 1220.
Glacial lakes, New York: Chadwick, 310.
Huronian and Grenville rocks: Quirke, 1788.
Illinois, Pennsylvanian: Culver, 482; Savage, 1968.
Iowa, Missouri series: Tilton, 2253.
Correlation—Continued.
Lebo member of Fort Union and Cannonball member of Lance: Thom, 2211.
Mackenzie River basin: Hume, 1016.
Maryland, coal measures: Swartz, 2176.
Mesozoic, Pacific coast: Goranson, 771.
Micro-fossils in correlation: Schuchert, 1995.
Mississippian, West Virginia: Girty, 756.
Oligocene, Pacific coast: Clark, 345.
Ordovician: Foerste, 697.
Pennsylvania, lower Allegheny-Pottsville section: Renick, 1851.
Permian: Dunbar, 596.
Representation: Keyes, 1209.
Silurian: Ulrich, 2311, 2312.
Maryland: Swartz, 2180.
Tertiary: Vaughan, 2343.
Anthozoa: Vaughan, 2345.
Bryozoa: Canu, 300.
Echinoidea: Stefanini, 2140.
Mollusca, Eocene and Oligocene: Cooke, 439.
Miocene and Pliocene: Gardner, 729; Woodring, 2537.
pelagic mammals: Kellogg, 1145.
terrestrial plants: Berry, 153.
Texas, northeastern, Cretaceous: Fohs, 701.
Utah, southeastern: Hager, 832.
Vermont, south central, and Massachusetts, western: Hubbard, 1004.
Tables.
Devonian: Branson, 199.
Gulf Coastal Plain: Prettyman, 1776.
Ordovician: Foerste, 697.
Tertiary: Berry, 142.
Corrosion by saline waters: Rutherford, 1932.
Costa Rica.
General: MacDonald, 1444.
Economic geology.
Petroleum possibilities: Redfield, 1814.
Historical geology.
General: Redfield, 1814.
Paleontology.
Foraminifera and Mollusca: Palmer, 1707.
Physical geology.
Volcano Irazu, eruptions: Tristán, 2271.
Cotton Valley oil and gas field, Webster Parish, Louisiana; Powers, 1769.
Creede district, Colorado, geology and ore deposits: Emmons, 650.
Cretaceous. *See also* Paleontology, Cretaceous.
Alabama, eastern: Berry, 141.
Alaska, Cold Bay–Chignik district: Smith, 2091.
Ruby-Kuskokwim region: Mertie, 1544.
Alberta: Allan, 20.
Blackstone, Brazeau, and Pembina rivers foothills belt: Allan, 24.
Saunders Creek and Nordegg coal basins: Allan, 21.
southern, artesian area: Dowling, 581.
Arizona, Hopi Buttes volcanic field: Reagan, 1807.
Arkadelphia formation, Arkansas and Louisiana: Howe, 996, 997.
Arkansas: Miser, 1591.
El Dorado oil fields: Gilluly, 747.
Pike County: Miser, 1592.
southern: Hull, 1011; Schneider, 1981.

Cretaceous—Continued.
British Columbia, Coquihalla area: Cairnes, 281.
Kitsault River to Skeena River: Hanson, 853.
Peace River canyon area: McLearn, 1461.
Skeena River to Stewart: Hanson, 856.
southwestern: Cairnes, 279.
Vancouver Island: MacKenzie, 1457.
California, Los Angeles and Ventura counties: Kew, 1159.
Sacramento Valley: Bryan, 239.
southern: Kew, 1157.
Ventura County: Taliaferro, 2187.
Colorado: Keyes, 1227.
Fort Collins: Ball, 70.
Moffat County: Sears, 2010.
San Juan Basin: Reeside, 1828.
southeastern, Carlile shale and Timpas limestone, merging: Patton, 1727.
Costa Rica: Redfield, 1814.
Cretaceous-Eocene boundary: Thom, 2212.
Cuba, western: Wright, 2540.
Dakota group, Colorado and Wyoming: Lee, 1339.
District of Columbia, excavation on Connecticut Avenue: Wentworth, 2432.
Florida, in borings: Gunter, 824.
Georgia, Coastal Plain: Prettyman, 1776.
Gulf Coastal Plain: Brantly, 201.
Haiti: Woodring, 2533.
Idaho, Bingham, Bonneville, and Caribou counties: Kirkham, 1273.
Jamaica: Trechmann, 2269.
Kansas: Twenhofel, 2295.
Kentucky, western: Jillson, 1080.
Lance formation, southern Saskatchewan: Sternberg, 2144.
Lance-Fox Hills contact, eastern Montana and Dakotas: Dobbin, 566.
Laramie hiatus, southern Rocky Mountains: Keyes, 1213.
Lebo member of Fort Union, correlation with Cannonball member of Lance: Thom, 2211.
Louisiana, northern: Hull, 1011.
Mackenzie, Mackenzie River between Norman and Beaver River: Hume, 1013.
Providence to Simpson: Whittaker, 2462.
Manitoba: Ells, 634.
Mexico, eastern: Ver Wiebe, 2346.
eastern coast: Wittich, 2524.
northeastern: Böse, 168.
northern: Hill, 937.
Tabasco: Jones, 1119.
Vera Cruz, Idolo Island: Dumble, 593.
Zacatecas, Durango, and Guerrero: Böse, 167.
Mississippi: Morse, 1637.
Montana: Bauer, 104.
Beartooth Mountains: Bevan, 155.
Ekalaka field: Bauer, 105.
faulted area south of Bearpaw Mountains: Reeves, 1836.
Fergus County, Winifred area: Reeves, 1834.
Kevin-Sunburst oil field: Clark, 348.
Musselshell and Golden Valley counties: Ellis, 631.
Scobey lignite field: Collier, 415.
southern, Colorado group: Reeside, 1826.
Tullock Creek coal field: Rogers, 1900.
Cretaceous—Continued.
Nacatoch formation: Howe, 998.
New Mexico, Raton coal field: Lee, 1341.
San Juan Basin: Reeside, 1828.
North Carolina: Stephenson, 2143.
Oklahoma, Love County, Comanchean: Bullard, 254.
Oregon, Riddle quadrangle: Diller, 564.
Pacific coast: Goranson, 771.
Porto Rico, Humacao district: Fettke, 686.
Lares district: Hubbard, 1002.
Ponce district: Mitchell, 1598.
South Dakota, Black Hills region: O'Harra, 1678.
Haakon County: Ward, 2392.
Lance formation: Ward, 2390.
Perkins County: Moulton, 1642.
Ziebach County: Wilson, 2505.
Texas: Hill, 937.
Luling oil field, Caldwell County: Sellards, 2017.
McLennan County: Adkins, 6.
northeastern: Fohs, 701.
Utah: Keyes, 1219.
Green River valley: Reeside, 1827.
San Juan Canyon: Miser, 1597.
Washington: Whatcom County: Jenkins, 1058.
West Indies: Vaughan, 2339.
Wyoming, Black Hills: Bradley, 191.
Green River valley: Reeside, 1827.
Lost Soldier-Ferris district: Fath, 670.
Wind River Mountains: Condit, 433.
Crinoidea. *See also* Echinodermata.
Balanocrinus, Tertiary, West Indies: Springer, 2114.
Catillocrinidae: Springer, 2113.
Crinoidea Flexibilia: Keyes, 1212.
Devonian, New York: Goldring, 764.
Heterocrinidae, revision: Ulrich, 2313.
Crustacea. *See also* Ostracoda; Trilobita.
Anguilla, Oligocene: Withers, 2522.
Calianassa and Ranina, Oligocene, Washington: Withers, 2521.
Carcineretes, Cretaceous, Jamaica: Withers, 2519.
Eobalanus, Ordovician, New York: Ruedemann, 1925.
Haiti, crabs: Rathbun, 1798.
Hemiaspidan crustacean, Bertie waterlime, New York: Clarke, 365.
Jamaica, Cretaceous and Tertiary: Withers, 2520.
North Carolina, Upper Cretaceous decapods: Rathbun, 1797.
Crustal shortening of Colorado Rockies: Chamberlin, 316.
Cryolite: Davis, 517, 518.
Crystal structure, analysis by X-rays: Bragg, 194.
Crystalline rocks of the plains: Gould, 786.
Crystallography.
Amphibole group: Winchell, 2509.
Babingtonite: Washington, 2405.
Cyanite, Manitoba: Wallace, 2383.
Crystal structure data: Wyckoff, 2550.
Force of crystallization: Stillwell, 2149.
General: Wherry, 2443.
Glaucochroite, willemite, celestite, and calcite, Franklin: Gordon, 775.

Crystallography—Continued.
Hydromagnesite: Rogers, 1894.
Kempite, California: Rogers, 1898.
Magnesite crystals, Orangedale, Nova Scotia: Dobbel, 565.
Marcasite, Racine dolomite, Wisconsin: Cook, 436.
Natural arrangement in crystal symmetry: Sen, 2020.
New crystal forms of minerals: Whitlock, 2457.
Optic angle of crystal, determination: Phemister, 1752.
Plans and elevations in study of geometrical crystallography: Rogers, 1892.
Pyrite: Whitlock, 2458.
Tucson, Arizona: Ayres, 52.
Searlesite: Rogers, 1897.
Stephanite, Sultepec, Mexico: Shannon, 2025.
Struvite: Palache, 1699.
Surface of a crystal: Wherry, 2444.
Teaching: Fisher, 693.
Thomsonite, optical notes: Gordon, 779.
Wavellite: Gordon, 776.
X-ray analysis of crystal structure: Bragg, 194.
Cuba. *See also* West Indies.
Economic geology.
Isla de Pinos: Roque Allende, 1906.
Jurassic as source of oil in western Cuba: Wright, 2540.
Manganese, Bueycito: Calvache Dorado, 287.
Pinar del Rio: Roque Allende, 1907.
Santa Clara, Malezas, San Jose mine: Corral, 454.
Historical geology.
Western Cuba: Wright, 2540.
Mineralogy.
Cubanite: Merwin, 1545.
Paleontology.
Echinoidea: Sánchez Roig, 1947.
Jurassic fish fauna, western Cuba: Gregory, 806.
Orthaulax, Tertiary: Woodring, 2531.
Cubist method in geological correlation: Keyes, 1209.
Culebra Island: Vaughan, 2339.
Currie oil and gas field, Navarro County, Texas: Lahee, 1300.
Cycads. *See* Paleobotany.
Cystoidea. *See also* Echinodermata.
Habits and structure: Bather, 103.
Lipsanocystis traversensis, Devonian, Michigan: Ehlers, 628.
Dalles type of river channel: Bretz, 208.
Decomposition of rocks. *See* Weathering.
Deep wells. *See* Borings.
Deflation process: Keyes, 1238.
Delaware.
Mineralogy.
Canbyite, Wilmington: Hawkins, 868.
Deltas.
Mississippi River: Trowbridge, 2274.
Denudation. *See* Erosion.
Denudation of the desert: Keyes, 1224.
Deposition. *See* Sedimentation.
Deposition of ores. *See* Ore deposits, origin.
Desert varnish: White, 2446.
Devonian. *See also* Paleontology, Devonian.
Alaska, Ruby-Kuskokwim region: Mertie 1544.
Devonian—Continued.
Arizona: Keyes, 1171.
Ray quadrangle: Ransome, 1792.
Arkansas: Miser, 1591.
Hot Springs district: Purdue, 1784.
British Columbia, Beaverfoot-Brisco-Stanford Range: Walcott, 2357.
Bow River section, Banff: Kindle, 1266.
Chemung group, stratigraphy in western New York: Chadwick, 312.
Colorado: Keyes, 1227.
Illinois, Mississippi Valley: Krey, 1293.
Oriskany limestone: Savage, 1967.
western: Savage, 1964.
Indiana: Logan, 1401.
Iowa, Hackberry stage: Fenton, 677.
Lake Calvin region: Schoewe, 1985.
State beds: Stainbrook, 2128.
Mackenzie, Franklin Mountains: Williams, 2473, 2475.
Mackenzie River between Norman and Beaver River: Hume, 1013.
Providence to Simpson: Whittaker, 2462.
Maine, Rangeley conglomerate: Smith, 2072.
Mississippi: Morse, 1637.
Missouri: Branson, 199; Wilson, 2497.
Bailey limestone: Tansey, 2189.
Mississippi Valley: Krey, 1293.
Ste. Genevieve County, Little Saline limestone: Stewart, 2147.
Montana, Beartooth Mountains, Bevan, 155.
Nevada: Keyes, 1192.
New Hampshire, Ammonoosuc district: Ross, 1913.
Oklahoma, southern Ouachita Mountains Honess, 975.
Stonewall quadrangle: Morgan, 1632.
Ontario, Moose River basin: Kindle, 1262.
Orcas group, Washington: McLellan, 1464.
Oregon, Riddle quadrangle: Diller, 564.
Quebec, Bonaventure formation: Clarke, 366.
St. George: Clark, 352.
Tennessee: Nelson, 1659.
Cheatham County: Jillson, 1073.
Utah: Keyes, 1219.
Virginia, southwestern, black shale: Stose, 2164.
Wise and northern Scott counties: Eby, 621.
West Virginia, Mineral and Grant counties: Reger, 1839.
Tucker County: Price, 1779; Reger, 1838.
Wisconsin: Thwaites, 2245.
Wyoming, Wind River Mountains: Condit, 433.
Diamonds.
Arkansas, Pike County: Miser, 1592; Mitchell, 1599.
Diastrophic movements, table of: Shepard, 2048.
Diastrophism.
General: Cotton, 456.
Periodic diastrophism: Shepard, 2048.
Vertical earth adjustments, rate of movement: Hobbs, 952.
Diatomaceae. *See also* Diatomaceous earth.
District of Columbia, excavation on Connecticut Avenue: Mann, 1472.
Diatomaceous earth. *See also* Diatomaceae.
Canada: Eardley-Wilmot, 614.
General: Eardley-Wilmot, 614.

Dikes.
Camptonite dikes in Connecticut Triassic: Russell, 1930.
Idaho, Boise Basin: Ballard, 73.
Kentucky, western: Currier, 485.
Maine, Ogunquit: Keeley, 1138.
New York, Ithaca: Martens, 1486.
Pennsylvania, southwestern: Honess, 974.
South Dakota, sandstone dikes: Lawler, 1332.
Vermont, southern: Bray, 202.
Dinosaur National Monument: Gilmore, 755.
Dinosauria. *See* Reptilia.
Dip, determination: Higgins, 925.
Protractor for plotting dips: McKinstry, 1460.
Dislocations. *See* Faulting.
Distribution. *See* Geographic distribution.
District of Columbia.
Historical geology.
Excavation at Connecticut Avenue: Cuno, 483; LaForge, 1298; Wentworth, 2432.
Walker Hotel swamp deposit, age: Hay, 881.
Paleontology.
Diatoms, excavation on Connecticut Avenue: Mann, 1472.
Pleistocene flora, excavation at Connecticut Avenue: Berry, 143.
Dolomite.
Crystal structure: Wyckoff, 2552.
General: Hill, 934.
Chemical study: Knight, 1278.
Dolomitization in southern Nevada: Hewett, 922.
Drainage changes.
Colorado, Big Thompson River valley: Fuller, 720.
Connecticut River near Middletown: Bissell, 162.
Glacial diversion of the Missouri River: Todd, 2258.
Great Basin: Keyes, 1180.
Indiana, Raccoon Creek, Parke County: Bartle, 80.
Randolph and Delaware counties: Breeze, 203.
Iowa, Lee County: Wilson, 2492.
Mississippi River: Schoewe, 1983.
Massachusetts, central: Alden, 15.
Minnesota, Minnesota and Mississippi rivers: Sardeson, 1953.
Mississippi River: Schoewe, 1983.
Missouri, Ozark region: Tarr, 2195.
Missouri River channel, age: Todd, 2259.
New York, Finger Lake region: Monnett, 1605.
Nova Scotia, Kings County, Black and Gaspereau rivers: Churchill, 341.
Ohio, southeastern: Stout, 2169.
Washington: Large, 1328.
Drift deposits. *See* Glacial geology; Ice ages (ancient).
Drillite: Shead, 2042.
Dufresnoy, area, Abitibi district, Quebec: Harvie, 864.
Dunes.
Texas, Red River valley: Sellards, 2016.
Duparquet area, Quebec: James, 1047.
Dynamic geology. *See* Physical geology.
Earth.
Amplitude of earth's motion: Sohon, 2097.
Axis of rotation, changes of: Cotton, 456.
Earth—Continued.
Compressibility: Woodward, 2538.
Density: Washington, 2404.
Density distribution in the earth: Williamson, 2476.
Pole wanderings: Cotton, 456.
Rotational velocity of earth and its geological effects: Daly, 503.
Age: Joly, 1111; Rayleigh, 1800.
Geologic time scale: Lane, 1324.
Geological viewpoint: Chamberlin, 324.
Paleontological viewpoint: Clarke, 370.
Crust.
Composition: Clarke, 356.
Elastic yielding under load of sedimentary deposits: Lambert, 1312.
Deformation caused by waning ice caps: Daly, 506.
Framework of the continents, significance: Chamberlin, 318.
Mobile belts, pattern: Bucher, 247.
Resistance to change: Van Orstrand, 2329.
Stability: Daly, 502.
Interior.
Chemistry of the earth's core: Barnett, 77.
General: Cotton, 456; Macelwane, 1449.
Iron, distribution: Adams, 4.
Radial distribution of certain elements: Washington, 2408.
Origin.
Genesis: Chamberlin, 330.
Planetesimal hypothesis: Chamberlin, 329.
Temperature.
Apparatus for measurement of temperatures in deep wells: Van Orstrand, 2330.
Earth, temperature: Van Orstrand, 2327.
Keweenaw geothermal gradients: Lane, 1316.
Lake Superior region: Lane, 1320.
Oklahoma, boring: Miser, 1595.
Temperature in deep mines: Lane, 1319.
Temperatures at moderate depths: Adams, 5.
Earth's crust and evolution: Daly, 504.
Earth movements. *See* Changes of level; Landslides.
Earthquakes. *See also* Seismology.
California, Corralitos, September 19, 1923: Macelwane, 1447.
Inglewood, June 21, 1920: Kew, 1158.
January 31, 1922: Macelwane, 1446.
northern, January 22, 1923: Anon., 2574.
registration at Berkeley and Lick Observatory stations: Macelwane, 1450, 1451.
Salinas, December 27, 1924: Kemnitzer, 1147.
southern, July 22, 1923: Laughlin, 1331.
Cause: Griggs, 813.
Eureka earthquake: Macelwane, 1448.
General: Hovey, 993; Willis, 2481, 2485.
Guatemala: Van de Putte, 2320.
Katmai, Alaska, 1912: Tams, 2188.
Kilauea, eruptions, May, 1924, and seismic sequences: Finch, 691.
Massachusetts, Boston area: Crosby, 474.
Mexico, January 3, 1920: Salazar, 1936.
New England, January 7, 1925: Porter, 1767.
Prediction: Keyes, 1207; Lawson, 1334.
Possibilities of prediction: Hodgson, 958.
Southern Appalachian, October 20, 1924: Neumann, 1663.

Echinodermata. *See also* Asteroidea; Blastoidea; Crinoidea; Cystoidea; Echinoidea; Invertebrates.
General: Springer, 2115.
Iowa, Devonian: Thomas, 2217.
Maquoketa beds: Slocom, 2070.
Echinoidea. *See also* Echinodermata.
Cuba: Sánchez Roig, 1947.
Jamaica: Hawkins, 871.
Cretaceous: Hawkins, 870.
Mexico, Tampico region: Israelsky, 1042.
Scutellaster cretaceus, Colorado: Reeside, 1830.
Tertiary: Stefanini, 2140.
West coast: Israelsky, 1041.
Economic geology (general). *For areal see under the various States. See also* Ore deposits, origin, *and the particular products.*
Association of ores and dikes: Crocker, 472.
Capillary relationships of oil and water: Cook, 434.
Colloid chemistry of minerals and ore deposits: Lindgren, 1382.
Concentration and circulation of the elements: Lindgren, 1381.
Correlative value of heavy minerals: Tickell, 2246.
Eötvös torsion balance: Bateman, 99; Rybár, 1935; Wagner, 2353.
Filling of fissure veins: Perkins, 1741; Young, 2555.
Gels, function in formation of quartz and carbonate veins: Merritt, 1543.
Geology of prospecting: Emmons, 651.
Ground water, relation to ore deposits: Loughlin, 1419.
Helium: Moore, 1626.
Intersecting fracture zones and mineral districts: Porter, 1766.
Leached ore capping: Morse, 1636.
Limestone contact zones, ferric oxide content: Butler, 269.
Magnesite deposits, types and origin: Bain, 62.
Manganese minerals: Thiel, 2203.
Metal content, lode filling, and country rock, relations: Weston-Dunn, 2434.
Metals in intrusive magmas: Spurr, 2121.
Methods for heavy mineral investigations: Reed, 1819.
Mineralography as an aid to milling: Thomson, 2228.
Opaque ore minerals, determination by X-ray diffraction patterns: Kerr, 1154.
Ore, examination by reflecting microscope: Schwartz, 1997.
Ore problems and the microscope: Uglow, 2309.
Petroleum geology: Lahee, 1305.
Relation of hardness to sequence of ore minerals: Gilbert, 745.
Scientific ore finding: Brock, 217.
Studying mines with a microscope: Bayley, 107.
Tellurides: Thomson, 2231.
Torsional balance: Gradenwitz, 791.
Types of magnesite deposits and their origin: Bain, 62.
Zonal deposition of ores, application of theory: Anderson, 35.
Educational. *See also* Textbooks.
Crystallography, teaching: Fisher, 693.
Geologic teaching in mining engineering: Dake, 493.
Petroleum geology: Lahee, 1305.
Selective teaching in geology: Sardeson, 1961.
Ekalaka lignite field, Montana: Bauer, 105.
Elbow Lake area, northern Manitoba: Armstrong, 42.
El Dorado oil field, Arkansas: Ley, 1373.
Elevation and subsidence. *See* Changes of level.
Elk Basin oil field, Wyoming: Estabrook, 659.
Emery.
Virginia: Watson, 2410.
Engineering geology.
Illinois, Decatur dam site: Leighton, 1355.
Iron Canyon, Sacramento River, California: Hamlin, 839; Lawson, 1333.
English River valley, Ontario: Bruce, 227.
Eolation. *See* Wind work.
Eolian action. *See* Wind work.
Eötvös torsion balance: Batemen, 99; Rybár, 1935; Wagner, 2353.
Erosion. *See also* Glacial erosion; Sedimentation.
Coast erosion: Patton, 1730.
Corrosion by saline waters: Rutherford, 1932.
New Mexico, solution and fill: Lee, 1344.
Pedestal rocks, arid Southwest: Bryan, 243.
Plateau region: Reagan, 1808.
Red River, Texas-Oklahoma: Sellards, 2015.
Utah, débris of desert torrents: Pack, 1694.
Erosion cycle: Davis, 521.
Eruptive rocks. *See* Igneous and volcanic rocks.
Eskers.
Minnesota: Sardeson, 1955.
Eurypterida.
Eurypterus, Cambrian, Iowa: Walter, 2384.
Habitat: Ruedemann, 1926.
Essays. *See* addresses.
Evolution.
Acorn barnacles, phylogeny: Ruedemann, 1925
Air-breathing vertebrates: Pike, 1755.
Cephalopod adaptation: Dunbar, 597.
Dentition: Gregory, 804.
Dinosaurian climatic response: Lull, 1433.
Fossil plants as evidence for resistance to environment: Wieland, 2465.
General: Savage, 1966; Shimer, 2054.
Geologic factors: Mathers, 1490.
Human dentition: Gregory, 804.
Man: Huntington, 1031.
Stropheodonta demissa, evolution in Snyder Creek shales: Branson, 198.
Excursions.
Mississippi College field trip: Morse, 1641.
New England intercollegiate geological excursion: Foye, 708, 712.
Experimental investigations.
Capillarity and oil migration: Russell, 1931.
Eolian abrasion of quartz grains: Knight, 1279.
Folding: Chamberlin, 317.
Fracturing of spheres: Bucher, 245, 247.
Precipitation of manganese from meteoric solutions: Thiel, 2204.
Pressure, effect on migration of oil: Thomas, 2227.

Faulting.
Arizona, Ray quadrangle: Ransome, 1792.
California, Coast Ranges: Willis, 2483.
fault map: Willis, 2477, 2478, 2479.
Inglewood fault zone: Taber, 2186.
Salton Sea region: Brown, 221.
San Gabriel Mountains: Kew, 1160.
Champlain Valley, northern: Hudson, 1008.
Colorado, Big Thompson River valley: Fuller, 721.
Connecticut, Triassic: Foye, 709.
Faults, active, criteria for recognizing: Taber, 2184.
General: Willis, 2480.
Great Basin: Louderback, 1415.
Idaho, northern: Umpleby, 2317.
Osburn fault: Umpleby, 2318.
Iowa: Keyes, 1201.
Kentucky: Jillson, 1082.
north central: Miller, 1567.
western: Currier, 485.
Keystone faults: Crosby, 476.
Montana, Billings area: Moulton, 1643.
faulted area south of Bearpaw Mountains: Reeves, 1836.
Nevada, southern: Keyes, 1214; Longwell, 1406.
Newfoundland, Wabana ore deposits: Gilliatt, 746.
New Hampshire, Ammonoosuc district: Ross, 1913.
Normal faulting, cause: Shepard, 2049.
Rocky Mountains: Mansfield, 1475.
overthrust faulting: Flint, 695.
Tennessee, Emory River overthrust: Jillson, 1067.
Texas, northeastern: Fohs, 701.
Vermont, western: Gordon, 773.
Virginia, Appalachians, broad thrust fault: Campbell, 293.
Faults, active, criteria for recognizing: Taber, 2184.
Feldspar.
Canada: Eardley-Wilmot, 611; Spence, 2110.
General: Katz, 1130; Middleton, 1562.
Ontario, Lanark County: Campbell, 289.
Pacific Northwest: Wilson, 2493.
Feldspars, mineralography: Alling, 28.
Field geology: Lahee, 1299.
Field work.
Airplane photographs, use in field work: Campbell, 294.
Field geology: Lahee, 1299.
Magnetic methods for exploration: Hotchkiss, 987.
Smithsonian: Smithsonian Institution, 2095, 2096.
Stereoscopic photography in geologic field work: Wright, 2544.
Working plans in field operations: Keyes, 1242.
Fiords.
Alaska, Lynn Canal: Martin, 1488.
Greenland: Koch, 1288.
Fire clay.
Maryland: Hall, 837; Watts, 2415.
western: Mathews, 1491.
Fishes. *See* Pisces.
Fissility of shale: Lewis, 1372.
Fissures. *See* Faulting.
Flinflon area, Manitoba and Saskatchewan: Alcock, 9.
Florida.
Report of State geologist: Gunter, 825.
Economic geology.
Clays: Bell, 127.
Mineral production, 1921 and 1922: Gunter, 826.
Mineral resources: Gunter, 827.
Historical geology.
Cretaceous formations of borings: Gunter, 824
DeLand sections: Macbride, 1439.
Tertiary and Quaternary: Mansfield, 1482.
Paleontology.
Artifacts associated with Elephas, Melbourne: Loomis, 1411.
Gavialosuchus americana: Mook, 1613.
Tertiary and Quaternary: Mansfield, 1482.
Fluorspar.
Canada: Eardley-Wilmot, 611.
General: Davis, 517, 518.
Folding.
Experiments in folding: Chamberlin, 317.
Folds from vertically acting forces: Robinson, 1889.
Montana, Bearpaw Mountains: Reeves, 1835.
Newfoundland, Wabana ore deposits: Gilliatt, 746.
Pre-Cambrian: Miller, 1585.
Rocky Mountains: Flint, 695.
Types of folding: Ickes, 1037.
Foliation of rocks, origin: Alling, 29.
Footprints.
Colorado, Pennsylvanian sandstones: Henderson, 913.
Dinosaur tracks, Cretaceous, Utah and Colorado: Peterson, 1749.
Foraminifera.
California, Vacaville, Eocene: Hanna, 845.
Caribbean region: Vaughan, 2338.
Costa Rica, Miocene: Palmer, 1707.
Fort Dodge beds, Iowa, origin: Lees, 1349.
Haiti, Eocene: Woodring, 2534.
Hantkenia, Eocene: Cushman, 487.
Mexico, Vera Cruz, Idolo Island: Dumble, 593.
Orbitoides: Douvillé, 578.
evolution in America: Douvillé, 579.
Tertiary: Vaughan, 2344.
Texas, Jackson beds: Dumble, 594.
Use in correlation: Cushman, 488; Dumble, 590; Hanna, 848.
Washington, Lewis County, Eocene: Hanna, 851.
Zonal value: Vaughan, 2340.
Formations. *See* Geologic formations.
Fossil bone, mineralogy and petrography: Rogers, 1896.
Fossil forests. *See* Petrified forests.
Fossils. *See* Paleontology.
Foundry sands.
Minnesota: Knapp, 1275.
Franklin Mountains, Mackenzie: Williams, 2475.
Frazier River Delta map area: Johnston, 1107.
Fuller's earth: Middleton, 1557, 1561.
Fumaroles.
Alaska, Katmai region, chemical study: Allen, 25.

Ganister.
Wisconsin, Baraboo deposits: Hotchkiss, 988.
Gas. *See* Natural gas.
Gastropoda. *See also* Mollusca.
Bermuda, Poecilozonites: Pilsbry, 1756.
California, Etchegoin Pliocene, Scalez: Hanna, 846.
Michigan, Devonian: Ehlers, 627.
Ohio, Guelph formation: Foerste, 696.
Ontario, Toronto area: Parks, 1711.
Orthaulax, Haiti, Porto Rico, and Cuba: Woodring, 2531.
Palliseria, upper Ordovician, British Columbia: Wilson, 2490.
Rimella-like gastropods, west coast: Clark, 346.
San Pedro fauna, Nob Hill cut, California: Oldroyd, 1681.
Texas, Pleistocene fresh-water mollusks: Hanna, 844.
Geanticlines: Schuchert, 1993.
Gels, function in the formation of quartz and carbonate veins: Merritt, 1543.
Genesis of ores. *See* Ore deposits, origin.
Geochemistry.
Alaska, Katmai region, fumaroles: Allen, 25.
Chemistry of the earth's core: Barnett, 77.
Colloid chemistry of minerals and ore deposits: Lindgren, 1382.
Concentration and circulation of the elements: Lindgren, 1381.
Data: Clarke, 357.
Direct synthesis of higher from lower hydrocarbons: Thom, 2213.
Dolomites, chemical study: Knight, 1278.
Evolution and disintegration of matter: Clarke, 358.
Iron protores, leaching of: Lovering, 1424.
Petroleums of California, chemical characteristics: Prutzman, 1783.
Precipitation of manganese from meteoric solutions: Thiel, 2204.
Problems: Sosman, 2100.
Quality of oil, relation to structure: Ley, 1373.
Reaction between ferrous and cuprous salts: Wells, 2429.
River and lake waters, composition: Clarke, 359.
Silica, solution and precipitation in cold water: Lovering, 1424.
Status and problems of geophysical chemistry: Sosman, 2101.
Geodetic work, value to geology: Bowie, 179.
Geographic distribution.
Iowa, Devonian echinoderms: Thomas, 2221.
Pleistocene mammals: Hay, 882.
Geologic climate. *See* Paleoclimatology.
Geologic formations, tables. *For geologic formations described see list, p. 249. See also* Correlation.
Alberta: Irwin, 1040.
foothills belt: Allan, 24.
Saunders Creek and Nordegg coal basins: Allan, 21.
Antigua: Earle, 615.
Arkansas, Hot Springs district: Purdue, 1784.
southern: Hull, 1011.
Geologic formations, tables—Continued.
British Columbia, Cariboo district, Barkerville area: Uglow, 2305.
coast region: Dolmage, 568.
Coquihalla area: Cairnes, 281.
Fraser River Delta: Johnston, 1107.
Kitsault River to Skeena River: Hanson, 853.
Vancouver Island, Alberni area: MacKenzie, 1458.
California, southern: Kew, 1157.
Cambrian: Secrist, 2014.
Cambrian-Ozarkian-Ordovician: Walcott, 2355.
Colorado: Keyes, 1227.
Cretaceous, Montana: Robinson, 1886.
Cretaceous, Upper, Atlantic and Gulf Coastal Plain, correlation: Stephenson, 2143.
Geologic time classification of the U. S. Geological Survey: Wilmarth, 2486.
Geologic time scale: Ashley, 47.
Green River valley, Utah and Wyoming: Reeside, 1827.
Hayti: Woodring, 2532.
Illinois, Keyes, 1182.
Indiana: Logan, 1401.
Iowa, Missouri series: Tilton, 2253.
Louisiana, northern: Hull, 1011.
Mackenzie, Franklin Mountains: Williams, 2473.
Mackenzie River basin: Hume, 1016.
Mackenzie River between Norman and Beaver River: Hume, 1013.
Mesozoic formations, Pacific coast, correlation: Goranson, 771.
Minnesota: Keyes, 1182; Knapp, 1275.
Missouri: Wilson, 2497.
Montana: Bauer, 104.
Beartooth Mountains, Bevan, 155.
Nebraska: Keyes, 1182.
New Mexico, Raton coal field: Lee, 1341.
New York: Miller, 1587.
western, Chemung, correlation table: Chadwick, 311.
Ontario, Brocktown-Mallorytown area: Wright, 2545.
Paleozoic, lower: Secrist, 2014.
Quebec, Dufresnoy area, Abitibi district: Harvie, 864.
Timiskaming County, Opasatika area: Cooke, 440.
western: Cooke, 445.
Rocky Mountain region: Reeves, 1836.
Silurian, correlation: Swartz, 2180; Ulrich, 2311.
South Dakota: Keyes, 1182.
South Dakota and eastern Wyoming: Wilson, 2506.
Tennessee, lower Paleozoic formations: Gordon, 772.
Tertiary, American and European, correlation: Cooke, 439.
correlation charts: Vaughan, 2343.
Texas, northeastern, correlation: Fohs, 701.
Utah: Keyes, 1219.
southeastern: Longwell, 1404.
Uinta Basin: Douglass, 577.
Wisconsin: Keyes, 1182; Ulrich, 2315.

96779—27——14

Geologic formations, tables—Continued.
Wyoming: Bartlett, 82.
Lost Soldier-Ferris district: Fath, 670.
Yukon, southern: Cockfield, 392.
Geologic history. *See also* Paleoclimatology; Paleogeography.
Alabama, Clay County: Prouty, 1782.
Alaska, Kotsina-Kuskulana district: Moffit, 1602.
Ruby-Kuskokwim region: Mertie, 1544.
Arizona, Jerome district: Smith, 2071.
Ray quadrangle: Ransome, 1792.
Arkansas Hot Springs district: Purdue, 1784.
British Columbia: Schofield, 1989.
Coquihalla area: Cairnes, 281.
Fraser River Delta: Johnston, 1107.
North Thompson Valley: Uglow, 2307.
California, Salton Sea region: Brown, 221.
Canada: Collins, 427.
Colorado, central: Crawford, 469.
Front Range: Van Tyul, 2332.
northwestern: Sears, 2012.
San Juan Basin: Reeside, 1828.
Connecticut: Gregory, 801.
Cordillera in Canada: Schofield, 1987.
Eocene, southeastern North America: Berry, 142.
Grand Canyon of the Colorado: Darton, 509.
Great Basin, Pleistocene history: Antevs, 40.
Idaho, Boise Basin: Ballard, 73.
Owyhee County, Bruneau River basin: Piper, 1759.
Illinois, Carlyle-Centralia district: Shaw, 2035.
Kings quadrangle: Bretz, 205.
La Harpe and Good Hope quadrangles: Savage, 1965.
La Salle anticline: Mylius, 1648.
Morris quadrangle: Culver, 480.
southern, Carboniferous: Weller, 2425.
Iowa, Lake Calvin region: Schoewe, 1985.
Kansas, Cretaceous: Twenhofel, 2295.
southeastern: Ley, 1374.
Lake Superior geosyncline, Hotchkiss, 990.
Manitoba, Flinflon area: Alcock, 9.
Massachusetts, central, glacial history: Alden, 15.
Minnesota: Meinzer, 1520.
Mississippi Gulf, Eocene: Berry, 149.
Mississippi Valley, Missouri and Illinois: Krey, 1293.
Montana, Bearpaw Mountains: Reeves, 1835.
Beartooth Mountains, Bevan, 155.
Tullock Creek coal field: Rogers, 1900.
Upper Cretaceous: Robinson, 1886.
Nevada, Manhattan district: Ferguson, 679.
Rochester district: Knopf, 1280.
New Mexico, San Juan Basin: Reeside, 1828.
New York: Miller, 1587.
Adirondacks, western: Agar, 7.
Rochester, Pinnacle Hills, glacial history: Fairchild, 668.
North Atlantic Ocean, Tertiary history: Woodring, 2536.
North Carolina, Cretaceous: Stephenson, 2143.
Oklahoma, Arbuckle Mountains: Weidman, 2422.
southern Ouachita Mountains: Honess, 975.
Stonewall quadrangle: Morgan, 1632, 1633.
Geologic history—Continued.
Ontario, Arnprior-Quyon area: Wilson, 2498.
Brocktown-Mallorytown area: Wright, 2545.
English River valley: Bruce, 227.
Lake St. Joseph area: Bruce, 224.
Ontario-Manitoba boundary: Burwash, 266.
Red Lake area, District of Patricia: Bruce, 228.
Oregon: Smith, 2094.
Riddle quadrangle: Diller, 564.
Pennsylvania, Piedmont region: Smith, 2079.
Permian, Great Plains: Dunbar, 596.
Piedmont area, Maryland and Pennsylvania: Stose, 2160.
Porto Rico, Humacao district: Fettke, 686.
Lares district: Hubbard, 1002.
Ponce district: Mitchell, 1598.
Quebec, Arnprior-Quyon area: Wilson, 2498.
Percé: Clarke, 361.
Timiskaming County, Opasatika area: Cooke, 440.
Rocky Mountains: Keyes, 1196, 1227.
South Dakota, Lead area: Hosted, 983.
Uinta Mountains: Sears, 2011.
Vermont, Whitingham area: Hubbard, 1004.
Vermont region: Keith, 1139.
Washington, northeastern: Jenkins, 1060.
West Indies (part): Vaughan, 2339.
West Virginia, Mineral and Grant counties: Reger, 1839.
White River beds, South Dakota: Wanless, 2387.
Wyoming, southern: Sears, 2012.
Yukon, southern: Cockfield, 392.
Geologic maps.
Alabama, Clay County: Prouty, 1782.
Alaska, Alaska Railroad region: Capps, 301.
Chulitna region: Capps, 301.
Cold Bay-Chignik district: Smith, 2091.
Elephant Mountain: Smith, 2091.
Innoko-Iditarod region: Mertie, 1544.
Kantishna district: Capps, 301.
Kejulik Valley: Smith, 2091.
Kotsina-Kuskulana district: Moffit, 1602.
Pearl Creek Dome and Mount Peulik: Smith, 2091.
Ruby district: Mertie, 1544.
Talkeetna Mountains: Capps, 301.
Wide Bay: Smith, 2091.
Alberta, Blackstone, Brazeau, and Pembina rivers foothills belt: Allan, 24.
Saunders Creek and Nordegg coal basins: Allan, 21.
southern, artesian area: Dowling, 581.
Appalachian region: Keith, 1140.
Arizona: Arizona Bur. Mines, 41; Darton, 512.
Grand Canyon: Darton, 511.
Hopi Buttes volcanic field: Reagan, 1807.
Lees Ferry region: Bryan, 240.
Oatman district: Ransome, 1793.
Ray quadrangle: Ransome, 1792.
Verde formation: Jenkins, 1057.
Arkansas, Hot Springs district: Purdue, 1784.
Pike County, Prairie Creek area: Miser, 1592.
Pike, Howard, and Hempstead counties (parts): Miser, 1592.

Geologic maps—Continued.
British Columbia, coast and islands between Campania Sound and Port Simpson: Dolmage, 568.
coast and islands between Port Simpson and Stewart: Dolmage, 568.
Dewdney Trail: Cairnes, 279.
Fraser River Delta: Johnston, 1107.
Hope Mountain: Cairnes, 279.
Kettle Valley: Cairnes, 279.
Kitsault River to Skeena River: Hanson, 853.
Peace River canyon area: McLearn, 1461.
Salmon River district: Schofield, 1988.
Vancouver Island, Alberni area: MacKenzie, 1458.
Yale district, Silver Creek, Skagit and Similkameen rivers: Cairnes, 282.
Tulameen area: Poitevin, 1761.
British Virgin Islands: Earle, 617.
California, fault map: Willis, 2478.
Salton Sea region: Brown, 221.
Canada: Graham, 792.
central Arctic coast: O'Neill, 1682.
Colorado, Creede district: Emmons, 650.
De Beque oil field: Winchester, 2515.
Moffat County: Sears, 2010.
northwestern: Sears, 2012; Winchester, 2515.
San Juan Basin: Reeside, 1828.
Connecticut: Gregory, 801.
Georgia, Coastal Plain: Prettyman, 1776.
Greenland, Peary Land: Koch, 1289.
Haiti: Woodring, 2533.
northwestern: Lütgens, 1431.
Terre-Neuve region: Woodring, 2533.
Idaho, Boise Basin: Ballard, 73.
Cassia County, Goose Creek basin: Piper, 1758.
Coeur d'Alene district: Umpleby, 2316.
Hell Creek, Fall Creek, Palisade Creek, McKoy Creek, Grays Lake, and Cranes Flat quadrangles: Kirkham, 1273.
north central: Thomson, 2232, 2233.
Owyhee County, Bruneau River basin: Piper, 1759.
Power and Oneida counties: Piper, 1760.
Shoshone County: Umpleby, 2316.
Illinois, Adams County, northeastern: Currier, 484.
Carlyle-Centralia district: Shaw, 2035.
Kings quadrangle: Bretz, 205.
La Harpe and Good Hope quadrangles Savage, 1965.
Morris quadrangle: Culver, 480.
Indiana and surrounding States: Logan, 1401.
Iowa: Howell, 1000.
Lake Calvin region, Pleistocene: Schoewe, 1985.
Missouri series: Tilton, 2253.
north central: Fenton, 677.
Jamaica: Brunton, 232; Cundall, 482a.
Kansas, northeastern, Pleistocene: Schoewe, 1984.
Kentucky, Princeton quadrangle: Weller, 2426.
Webster County: Glenn, 759.
Louisiana: Hay, 882.
Geologic maps—Continued.
Mackenzie, Mackenzie River between Norman and Beaver River: Hume, 1013.
Mackenzie River between Wrigley and Norman: Hume, 1016.
Maine: Smith, 2076.
Manitoba, Beresford Lake area: Wright, 2541, 2547.
Flinflon area: Alcock, 9.
Rice Lake district: Wright, 2546.
Maryland, coals of Georges Creek and upper Potomac basins: Swartz, 2176.
Piedmont Plateau: Knopf, 1282.
Silurian: Swartz, 2178.
western Piedmont: Jonas, 1113.
Massachusetts, Cape Ann, Andrew's Point: Warren, 2395.
eastern: Warren, 2395.
Ware and Quinsigamond quadrangles: Alden, 15.
Massachusetts and New York, Pittsfield and Becket quadrangles: Dale, 496.
Mexico: Mexico, Secr. Agr., 1552.
Michigan, surface formations: Leverett, 1367.
Minnesota: Hay, 882.
Vermilion iron range: Schwartz, 2001.
Mississippi: Lowe, 1427.
Missouri: Buehler, 251.
Devonian formations along the Missouri River: Branson, 199.
Montana, Bearpaw Mountains: Reeves, 1835.
Beartooth Mountains: Bevan, 155.
Ekalaka field: Bauer, 105.
faulted area south of Bearpaw Mountains: Reeves, 1836.
Fergus County, Winifred area: Reeves, 1834.
Musselshell and Golden Valley counties: Ellis, 631.
Rosebud County: Renick, 1854.
Scobey lignite field, Valley, Daniels, and Sheridan counties: Collier, 415.
Nevada, Elko area: Winchester, 2515.
Manhattan district: Ferguson, 679.
Rochester district: Knopf, 1280.
New Hampshire, Ammonoosuc district: Ross, 1913.
New Mexico, Raton coal field: Lee, 1341.
New York: Miller, 1587.
Clove quadrangle: Dale, 496.
New York City: Reeds, 1821.
Plattsburgh quadrangle: Hudson, 1008.
Rouses Point quadrangle: Hudson, 1008.
Skaneateles region: Monnett, 1605.
New York, Massachusetts, and Connecticut, Sheffield and Sandisfield quadrangles: Dale, 496.
New York, Massachusetts, and western Vermont, Greylock, Berlin, and Hoosick quadrangles: Dale, 496.
North America: Schuchert, 1994.
North Carolina, Cretaceous: Stephenson, 2143
North Dakota: Willard, 2470.
Northern Great Plains: Alden, 16.
Nova Scotia: Brunton, 234.
Arisaig district: McLearn, 1462.
Cape Breton County, Sydney: Hayes, 883.
(physiographic): Goldthwait, 766.

Geologic maps—Continued.
Ohio, Summerfield and Woodsfield quadrangles: Condit, 432.
Oklahoma, Grandfield Bridge sheet: Sellards, 2016.
Leflore and McCurtain counties: Honess, 976.
southern, Stonewall quadrangle: Morgan, 1633.
southwestern: Gould, 788; Sawyer, 1970.
Ontario: Canada, Dept. Mines, 297.
Brocktown-Mallorytown area: Wright, 2545.
Cobalt area: Knight, 1277.
English River valley: Bruce, 227.
Kenogamissi Lake area: Todd, 2257.
Lake St. Joseph, eastern part: Bruce, 225.
Lake St. Joseph area: Bruce, 224.
Leeds County: Baker, 65.
Ontario-Manitoba boundary: Burwash, 266; Rickaby, 1870.
Red Lake area, District of Patricia: Bruce, 228.
Watabeag area: Wright, 2541.
Oregon: Smith, 2094.
Riddle quadrangle: Diller, 564.
Pennsylvania, Chester Valley: Stose, 2160.
McCalls Ferry quadrangle: Jonas, 1112.
Phoenixville mining district: Miller, 1573.
Piedmont Plateau: Knopf, 1282.
Piedmont region, anorthosite area: Smith, 2079.
southeastern: Stose, 2163.
Pennsylvania and Maryland, Piedmont province: Stose, 2160.
Porto Rico, Humacao district: Fettke, 686.
Juncos-Torre district: Fettke, 687.
Lares district: Hubbard, 1002.
physiographic map: Lobeck, 1393.
Ponce district: Mitchell, 1598.
Quebec: Canada, Dept. Mines, 297.
Bristol Township: Wilson, 2498.
Chatham Township: Bain, 60.
Dufresnoy area, Abitibi district: Harvie, 864.
Duparquet area: James, 1047.
Hull County: Wilson, 2498.
Onslow Township: Wilson, 2498.
Philipsburg region: Bradley, 188.
Quyon area: Wilson, 2498.
Timiskaming County, Opasatika area: Cooke, 440.
Rouyn area: James, 1048.
Saskatchewan, Lake Athabaska: Allan, 22.
South Dakota, Edmunds County: Rothrock, 1916.
Lead area: Paige, 1697, 1698.
Tennessee: Nelson, 1655.
Brushy Mountain region: Jillson, 1067.
east: Secrist, 2014; Stose, 2159.
Friendsville and vicinity: Gordon, 772.
Knoxville and vicinity: Gordon, 772.
Texas, Colorado County: Bailey, 57.
Culberson County, University Block: Beede, 115.
Grandfield Bridge sheet: Sellards, 2016.
Gulf Coastal Plain near Rio Grande: Trowbridge, 2272.
Geologic maps—Continued.
Texas—Continued.
McLennan County: Adkins, 6.
northeastern: Fohs, 701.
Potter County: Patton, 1728.
Uinta Mountains: Sears, 2011.
United States, petroleum provinces: Lilley, 1375.
physiographic map: Meinzer, 1515.
Utah, San Juan Canyon: Miser, 1594.
Vermont, Bethel Township: Richardson, 1864.
Bridport: Foyles, 714.
Orange County, Randolph Township: Richardson, 1863.
Plattsburgh quadrangle: Hudson, 1008.
Rouses Point quadrangle: Hudson, 1008.
Shoreham: Foyles, 714.
Whitingham area: Hubbard, 1004
Virginia, Pittsylvania County: Watson, 2410
Wise and northern Scott counties: Eby, 621.
Washington, Skagit County: Jenkins, 1059.
Whatcom County, coal measures: Jenkins, 1058.
West Virginia, Grant County: Reger, 1839.
Mineral County: Reger, 1839.
Tucker County: Reger, 1838.
Wisconsin: Twenhofel, 2293.
Wyoming, Lost Soldier-Ferris district: Fath, 670.
southern: Sears, 2012.
southwestern: Winchester, 2515.
Sweetwater County: Sears, 2010.
Wind River Mountains: Condit, 433.
Geologic structures: Willis, 2480.
Geologic time.
Atomic disintegration as a measure of geologic time: Ellsworth, 643.
General: Allison, 32.
Measurement by atomic disintegration: Moore, 1627.
Seasonal records: Reeds, 1823.
Geological surveys. *See* Surveys.
Geology, development of: Gregory, 800.
Geomorphogeny. *See* Physiographic geology.
Geophysics.
Alumina and silica: Day, 545.
Compressibility of the earth: Woodward, 2538.
Density distribution in the earth: Williamson, 2476.
Density of rocks from Mauna Kea and Haleakala: Washington, 2404.
Geophysical Laboratory, report: Day, 545.
Problems: Sosman, 2100.
Relation of crystallization to water content and vapor pressure of water in a cooling magma: Morey, 1629.
Status and problems of geophysical chemistry: Sosman, 2101.
Georgia.
Economic geology.
Iron ore deposits: Haseltine, 866.
Kaolin and bauxite, Coastal Plain: Stull, 2172.
Mineral resources: McCallie, 1441; Maynard, 1510.
Ocher, Cartersville: Weigel, 2424.
Petroleum and natural gas possibilities: Prettyman, 1776.

Georgia—Continued.
Historical geology.
Coastal Plain: Prettyman, 1776.
Underground water.
Thermal springs: Watson, 2413.
Geosynclines: Schuchert, 1993.
Geotherms of Lake Superior copper country: Lane, 1320.
Geysers.
Yellowstone National Park: Darton, 510.
Glacial geology. *See also* Glacial lakes; Quaternary.
Alaska, Alaska Railroad region: Capps, 301.
Alberta, structural features produced by Pleistocene glaciation: Hopkins, 977.
British Columbia, Coquihalla area: Cairnes, 281.
Fraser River Delta: Johnston, 1107.
California, Sierra Nevada: Matthes, 1501.
Canada: Coleman, 407.
Chronology: Allison, 32.
Colorado, Grand Mesa: Henderson, 912.
General: Chamberlin, 322; Hay, 875.
Glacial varves, Connecticut Valley, summer deposition: Sayles, 1973.
Great Basin, Pleistocene history: Antevs, 40.
Greenland, Peary Land: Koch, 1289.
Ice age: Finger, 692.
Ice ages and the drift of continents: Coleman, 408.
Illinois, Carlyle-Centralia district: Shaw, 2035.
Decatur area: Leighton, 1355.
Kings quadrangle: Bretz, 205.
La Harpe and Good Hope quadrangles: Savage, 1965.
Lawrence County, Pleistocene: Cox, 465.
Morris quadrangle: Culver, 480.
northwestern, drift sheets: Leighton, 1354.
Saline County: Bonnell, 173.
Sangamon River valley: Leighton, 1351.
Iowa: Kay, 1134.
Algona recessional stages: Smith, 2082.
Ames, glacial tills: Smith, 2081.
Des Moines, Pleistocene exposures: Lees, 1346.
eastern: Schoewe, 1983.
Fort Dodge stages of retreating glaciers: Smith, 2083.
glacial sheets: Keyes, 1190.
southern: Schoewe, 1985.
western, Pleistocene: Kay, 1135.
Kansas, northeastern: Schoewe, 1984.
till-like deposits south of Kansas River: Schoewe, 1986.
Kentucky, eastern, glacial pebbles: Jillson, 1087.
glacial boulders: Jillson, 1089.
Labrador, northeastern: Coleman, 406.
Massachusetts, central: Alden, 15.
Minnesota, Buffalo Plains: Sardeson, 1957.
Mille Lacs area: Sardeson, 1956.
Missouri: Leverett, 1366.
northern, Nebraskan drift: Shipton, 2056.
New Jersey, postglacial laminated clays at Little Ferry: Reeds, 1824.
New York, eastern: Cook, 437.
Luzerne quadrangle: Miller, 1583.
Rochester, Pinnacle Hills: Fairchild, 668.
western, moraines: Chadwick, 313.
Glacial geology—Continued.
Northern Great Plains: Alden, 16.
Nova Scotia: Goldthwait, 766; Walker, 2365.
Ontario, Brocktown-Mallorytown area: Wright, 2545.
Toronto region: Coleman, 410.
Quebec, Timiskaming County, Opasatika area: Cooke, 440.
Raised beaches and thickness of ice sheets: Coleman, 411.
Solar cyclonic explanation of glaciation: Huntington, 1029.
Solar initiation of glaciation?: Keyes, 1236.
Vermont, Whitingham area: Hubbard, 1004.
Washington, Columbia Plateau: Bretz, 207.
east central: Bretz, 206.
Spokane glaciation: Bretz, 210.
Glacial lakes. *See also* Beaches; Shore lines; Terraces.
Iowa, Lake Calvin: Schoewe, 1982, 1983, 1985.
Lake Arikaree: Todd, 2259.
Massachusetts, central: Alden, 15.
New York: Chadwick, 310.
Genesee: Chadwick, 313.
Glacial period. *See* Glacial geology.
Glaciers.
Alberta, Freshfield Glacier: Palmer, 1704.
British Columbia, Robson Glacier, motion: Wheeler, 2438.
Glacier National Park, movement of glaciers: Alden, 14.
Gold.
Alaska, Alaska Railroad region: Capps, 301.
Chitina Valley: Moffit, 1603.
early Tertiary placer deposit: Capps, 302.
Juneau district: Bradley, 189.
Kotsina-Kuskulana district: Moffit, 1602.
Ruby-Kuskokwim region: Mertie, 1544.
Arizona: Heikes, 901.
Oatman district: Ransome, 1793.
Ray quadrangle: Ransome, 1792.
Tres Amigos: Keyes, 1176.
British Columbia, Barkerville area: Johnston, 1109.
Cariboo district: Uglow, 2306.
Cedar Creek area: Johnston, 1108.
Cariboo district, Barkerville quartz veins: Uglow, 2304.
Chu Chua, Windpass mine: Uglow, 2308.
coast region: Dolmage, 568.
Coquihalla area: Cairnes, 281.
Salmon River valley: Banks, 76.
Salmon River district: Schofield, 1988.
Yale district, Hillsbar claims: Cairnes, 283.
California: Haley, 835; Hill, 931.
Monterey County, Los Burros district: Hill, 926.
primary and secondary concentrations: Haley, 836.
southern: Haley, 833.
Trinity County, East Fork district: Tucker, 2286.
Wilshire district: Turner, 2290.
Canada: Webb, 2418; Wilson, 2489.
Colorado: Henderson, 906, 911.
Creede district: Emmons, 650.
Eastern States: Dunlop, 501, 505.

POLITECHNIKA ZAKŁAD GEOLOGII

Gold—Continued.
General: Dunlop, 600, 604.
Idaho: Gerry, 737, 739.
batholith: Thomson, 2233.
Boise Basin: Ballard, 73.
north central: Thomson, 2232.
Shoshone County: Umpleby, 2316.
Manitoba, Beresford Lake area: Wright, 2541, 2547.
Elbow Lake area: Armstrong, 42.
Flinflon area: Alcock, 9.
Rice Lake district: Wright, 2546.
Montana: Gerry, 741.
Nevada: Heikes, 895, 899.
Jarbidge district: Schrader, 1990.
Manhattan district: Ferguson, 679.
Rochester district: Knopf, 1280.
New Hampshire, Ammonoosuc district: Ross, 1913.
New Mexico: Henderson, 904, 909.
Nova Scotia: Brunton, 235, 238.
Ontario: Hopkins, 978; McGill, 1455.
Goudreau area: MacLeod, 1465.
Kirkland Lake area: Hopkins, 979.
Onaman area: Girvin, 758.
Porcupine district: Burrows, 264, 265; Fielding, 672; Hore, 980; Huntoon, 1035; Robinson, 1888; Spurr, 2118.
Sudbury district, Makwa: Tanton, 2191.
Timiskaming district, Argonaut mine: Cooke, 443.
Larder Lake: Cooke, 444.
Watabeag area: Wright, 2541.
West Shining Tree: Weed, 2419.
Oregon: Hill, 932.
Riddle quadrangle: Diller, 564.
Pennsylvania: Pennsylvania G. S., 1734.
Placer gold, formation: Allison, 30.
Primary and secondary concentrations: Haley, 836.
Quebec: Goodwin, 769.
Dubuisson Township: Spearman, 2104.
Lake Fortune area: Goodwin, 768.
northern: Wright, 2542.
northwestern: Brunton, 236; Dufresne, 588; prospects: Denis, 556.
Timiskaming County, Opasatika area: Cooke, 440.
Rouyn area: James, 1048.
western: Cooke, 445.
South Dakota: Henderson, 907
Homestake mine: Paige, 1697.
Lead area: Paige, 1698.
Utah: Heikes, 900.
Washington: Gerry, 738, 740.
Wyoming: Henderson, 908.
Good Hope quadrangle, Illinois: Savage, 1965.
Graham field, Carter County, Oklahoma: Tomlinson, 2261.
Grand Canyon. *See* Arizona.
Granite.
Connecticut: Gregory, 801.
General: Dale, 495.
Maine: Smith, 2076.
New England: Dale, 495.
Graphite.
Alabama, Clay County: Prouty, 1782.
Canada: Eardley-Wilmot, 611.
General: Middleton, 1560; Redfield, 1813.
Graptolitoidea.
Beekmantown series, Levis, Quebec: Clark, 351.
Evolution: Elles, 630.
Maine, Waterville: Perkins, 1736.
Gravel.
General: Beach, 109; Coons, 447.
North Dakota: Leonard, 1364.
Ontario, St. Clair River: Bartlett, 83.
South Dakota, eastern : Rothrock, 1916.
Gravity observations from the standpoint of the local geology: White, 2452.
Greenland.
Northwestern Greenland: Hovey, 994.
Economic geology.
Mineral resources: Ball, 72.
Historical geology.
General: Koch, 1288.
Northwestern Greenland: Hovey, 994.
Peary Land: Koch, 1289.
Mineralogy.
Narsarsuk area: Gordon, 782.
Physical geology.
Orography: Koch, 1288.
Ground water. *See* Underground water.
Guatemala.
Physical geology.
Earthquake and volcanic phenomena: Van de Putte, 2320.
Sta. Maria Volcano: Waitz, 2354.
Gypsum.
California, southern: Newman, 1665.
General: Cottrell, 460, 461; Wilder, 2469.
Iowa: Wilder, 2469.
age of gypsum deposits: Keyes, 1231.
Fort Dodge gypsum beds: Keyes, 1201.
Origin of gypsum deposits: Keyes, 1205.
Haiti.
General: Woodring, 2532, 2533.
Northwestern Haiti: Lütgens, 1431.
Paleontology.
Cichlid fish, Las Cahobas: Cockerell, 381.
Crabs: Rathbun, 1798.
Eocene Foraminifera: Woodring, 2534.
Miocene and Pleistocene Cirripedia: Pilsbry, 1757.
Mollusca, Tertiary: Woodring, 2535.
Orthaulax, Tertiary: Woodring, 2531.
Underground water.
Hot Springs: Brown, 222.
Harvard summer school of geology: Crump, 479.
Hawaiian Islands.
Kaula Island: Friedlaender, 718.
Petrology.
Aa and pahoehoe, formation: Washington, 2402.
Density of rocks from Mauna Kea and Haleakala: Washington, 2404.
General petrology, Hawaii: Washington, 2401.
Hualalai and Mauna Loa: Washington, 2400.
Kilauea: Washington, 2401.
Kohala and Mauna Kea: Washington, 2399.

Hawaiian Islands—Continued.
Physical geology.
Halemaumau: Jaggar, 1044.
Kilauea: Day, 540; Jaggar, 1044.
activity: Jaggar, 1045.
eruptions, May, 1924, and seismic sequences: Finch, 691.
explosive eruption, 1924: Jaggar, 1046.
explosive eruptions: Sherzer, 2051.
Physiographic geology.
Oahu: Davis, 526.
Helium.
Canada: Elworthy, 647.
General: Moore, 1626.
Geology and occurrence: Kauenhowen, 1132.
Historical (stratigraphic) geology. *For areal see names of States. See also the different systems;* Correlation; Geologic formations, tables.
Boring records, use of: Reed, 1816.
California, geologic formation names, check list: Bailey, 54.
Carboniferous, early: Keyes, 1187.
Criteria of classification: Keyes, 1168.
English terranal classification in America: Keyes, 1173.
Exploration for vertebrates: Grinnell, 814.
Foraminifera, use in stratigraphy: Dumble, 590.
Fossils, relative value in stratigraphy: Cooke, 438.
General: Bretz, 209; Meinzer, 1515; Smithsonian Institution, 2095, 2096.
Geologic column, terms, origin and significance: Lang, 1326.
Geologic terminology: Blackwelder, 164.
Geologic time classification of U. S. Geological Survey: Wilmarth, 2486.
Geologic time scale: Ashley, 47.
Geological classification: Keyes, 1179.
Gulf Coastal Plain: Brantly, 201.
Hall's work in Iowa: Keyes, 1177.
Harvard summer school of geology: Crump, 479.
Major subdivisions: Keyes, 1229.
Michigan, surveys: Allen, 27.
Mississippian section, taxonomy: Keyes, 1187.
Modern conceptions of earth history: Bretz, 209.
North Atlantic Ocean, Tertiary history: Woodring, 2536.
Ordovician-Silurian boundary: Jones, 1116.
Periodic diastrophism: Shepard, 2048.
Pre-Cambrian: Keyes, 1174.
Pre-Cambrian time scale: Young, 2554.
Pre-Devonian deposits, Alberta and British Columbia: Walcott, 2359.
Proposed stratigraphic section and code: Ashley, 49.
St. Louis limestone, nomenclature: Keyes, 1187.
Terranal classification: Keyes, 1218.
Textbook of geology: Schuchert, 1994.
History. *See also* Surveys.
American geology, first one hundred years: Merrill, 1538.
History—Continued.
General: Fairchild, 669.
Geology, development of: Gregory, 800.
Kentucky, geological surveys: Jillson, 1066.
Michigan, surveys: Allen, 26.
Seventy-five years of American geology: Chamberlin, 325.
Vermont, geological work, 1810–1923: Perkins, 1737.
Honduras.
Economic geology.
Petroleum possibilities: Redfield, 1815.
Historical geology.
General: Redfield, 1815.
Hot Springs. *See* Thermal waters.
Hot Springs district, Arkansas: Purdue, 1784.
Icebergs, Greenland, formation: Koch, 1288.
Ice age. *See* Glacial geology.
Ice ages (ancient).
Criteria for glaciation: Hobbs, 953.
General: Coleman, 408.
Oklahoma, Pennsylvanian-Permian glaciation, Arbuckle region: Weidman, 2421.
Ontario, pre-Cobalt: Coleman, 409.
Ordovician, Vermont region: Keith, 1139.
Pennsylvanian-Permian glaciation (?), Arbuckle and Wichita mountains: Dunbar, 599; Weidman, 2423.
Rocky Mountains, pre-Cambrian: Blackwelder, 163.
Table of glacial periods: Chamberlin, 322.
Idaho.
Areas described.
Bear Lake County, eastern: Kirkham, 1272.
Bingham, Bonneville, and Caribou counties: Kirkham, 1273.
Boise Basin, Boise County: Ballard, 73.
Bruneau River basin, Owyhee County: Piper, 1759.
Goose Creek basin, Cassia County: Piper, 1758.
North central Idaho: Thomson, 2232.
Power and Oneida counties: Piper, 1760.
Shoshone County: Umpleby, 2316.
Economic geology.
Coeur d'Alene district: Umpleby, 2316, 2318.
Copper, Salmon: Ross, 1914.
Glacially transported mine, Gilmore: Walker, 2363.
Gold, Boise Basin: Ballard, 73.
Idaho batholith: Thomson, 2233.
north central Idaho: Thomson, 2232.
Gold, silver, copper, lead, and zinc: Gerry, 737, 739.
Gold veins, central Idaho: Roberts, 1879.
Kaolin and feldspar: Wilson, 2493.
Mining industry, 1922, 1923: Campbell, 295, 296.
Molybdenite, Rocky Bar district: Schrader, 1992.
Oil possibilities, Bingham, Bonneville, and Caribou counties: Kirkham, 1273.
southwestern and south-central Idaho: Buwalda, 271.
Oil shale: Winchester, 2515.
Shoshone County: Umpleby, 2316.

Idaho—Continued.
Historical geology.
Mud Lake Basin: Stearns, 2138.
Payette formation, age: Buwalda, 274.
Rocky Bar district: Schrader, 1992.
Mineralogy.
Amphibole similar to hudsonite, Custer County: Shannon, 2033.
Gersdorffite: Shannon, 2031.
Mordenite and associated minerals, Challis, Custer County: Ross, 1910.
Niter deposit, Dubois: Stearns, 2136.
Vanadinite, Lemhi County: Stearns, 2135.
Paleontology.
Idaho formation, Snake River valley: Dall, 501.
Orygoceras, Tertiary: Dall, 499.
Physical geology.
Faulting, northern Idaho: Umpleby, 2317.
Mud Lake basin, igneous geology: Stearns, 2138.
Osburn fault: Umpleby, 2318.
Rocky Mountains, structure: Mansfield, 1475.
Physiographic geology.
Idaho peneplane, age: Buwalda, 274.
Moon National Monument: Stearns, 2137.
Southeastern Idaho: Mansfield, 1473.
Tertiary planation: Mansfield, 1479.
Underground water.
Goose Creek basin, Cassia County: Piper, 1758.
Moscow: Laney, 1325.
Pahsimeroi Valley: Meinzer, 1517.
Thermal springs: Meinzer, 1519.
Igneous and volcanic rocks. *See also* Intrusions; Magmas; Petrology.
Aa and pahoehoe, formation: Washington, 2402.
Alabama, Clay County: Prouty, 1782.
Alaska, Alaska Railroad region: Capps, 301.
Cold Bay-Chignik district: Smith, 2091.
Kotsina-Kuskulana district: Moffit, 1602.
Ruby-Kuskokwim region: Mertie, 1544.
Anorthosites, formation: Loewinson-Lessing, 1397.
Arizona, Oatman district: Ransome, 1793.
Ray quadrangle: Ransome, 1792.
Arkansas, Hot Springs district: Lloyd, 1391.
Pike County, peridotite: Miser, 1592.
British Columbia, Coquihalla area: Cairnes, 281.
Fraser River Delta: Johnston, 1107.
Milbank Sound region, Post-Pleistocene volcanics: Dolmage, 569.
Yale district: Cairnes, 282.
British Virgin Islands: Earle, 617.
California, Los Angeles and Ventura counties: Kew, 1159.
Sacramento Valley: Bryan, 239.
Classification, quantitative and mineralogical: Hodge, 956.
Colorado, central: Crawford, 469.
Creede district: Emmons, 650.
Connecticut, Triassic basalts: Foye, 711.
Constituents and distribution: Clarke, 356.
Costa Rica: Redfield, 1814.
Density in relation to isostasy: Washington, 2406.
Igneous and volcanic rocks—Continued.
Final consolidation phenomena in the crystallization of igneous rock: Colony, 430.
Greenland, northwestern: Hovey, 994.
Hayti: Woodring, 2532, 2533.
Honduras: Redfield, 1815.
Idaho, Bingham, Bonneville, and Caribou counties: Kirkham, 1273.
Cassia County, Goose Creek basin: Piper, 1758.
north central: Thomson, 2232.
Shoshone County: Umpleby, 2316.
Igneous rocks, classification: Hodge, 957.
Intrusive Triassic diabase, Goose Creek, Loudoun County: Shannon, 2030.
Kentucky, western: Currier, 485.
Louisiana, Cretaceous: Bramlette, 196.
Magmatic differentiation: Vogt, 2350.
Maine, Ogunquit: Keeley, 1138.
Manitoba, Beresford Lake area: Wright, 2541, 2547.
Flinflon area: Alcock, 9.
Rice Lake area: Wright, 2546.
Maryland, western Piedmont: Jonas, 1113,
Massachusetts, Cape Ann: Warren, 2395.
Mexico, Lower California: Gálvez, 724.
Minillas, Cerro Prieto, Pichagua, and Sierra de Ramírez: Bonillas, 171.
Minnesota, granite and gabbro intrusions of Ely greenstone: Schwartz, 2001.
Montana, Beartooth Mountains, Bevan, 155.
faulted area south of Bearpaw Mountains: Reeves, 1836.
Nevada, Jarbidge district: Schrader, 1990.
Manhattan district: Ferguson, 679.
Rochester district: Knopf, 1280.
Newfoundland, Notre Dame Bay: Sampson, 1942.
New Hampshire, Ammonoosuc district: Ross, 1913.
New York, Ithaca: Martens, 1484, 1486.
Luzerne quadrangle: Miller, 1583.
southeastern: Colony, 429.
Oklahoma, Cimarron County, Black Mesa basalt: Shead, 2043.
southern Ouachita Mountains: Honess, 975.
Ontario, Brocktown-Mallorytown area: Wright, 2545.
Lake St. Jospeh area: Bruce, 224.
Red Lake area, District of Patricia: Bruce, 228.
Timiskaming district, Argonaut mine: Cooke, 443.
Oregon, Riddle quadrangle: Diller, 564.
Panama Canal Zone: MacDonald, 1445.
Pennsylvania, McCalls Ferry quadrangle: Jonas, 1112.
Porto Rico, Humacao district: Fettke, 686.
Lares district: Hubbard, 1002.
Ponce district: Mitchell, 1598.
Quebec, Arnprior-Quyon area: Wilson, 2498.
Dufresnoy area, Abitibi district: Harvie, 864.
Duparquet area: James, 1047.
Monteregian province extensions: Stansfield, 2131.
Timiskaming County, Rouyn area: James, 1048.

Igneous and volcanic rocks—Continued.
South Dakota, Black Hills: Paige, 1698.
Lead area: Hosted, 983.
Structures: Willis, 2480.
Texas, Amarillo district: Harrison, 861.
Vermont, Bethel Township: Richardson, 1864.
Whitingham area: Hubbard, 1004.
Virginia, Jurassic ? intrusives: Roberts, 1881.
Pittsylvania County: Watson, 2410.
Wyoming, Lost Soldier-Ferris district: Fath, 670.
Igneous intrusion. *See* Intrusions.
Ilsemannite at Ouray, Utah: Hess, 915.
Illinois.
Boulder, Saline County: Bonnell, 173.
Decatur area: Leighton, 1355.
Geological Survey, work: Hance, 840.
Topographic and geologic mapping in Illinois, relation to engineering: DeWolf, 560.
Areas described.
Adams County, northeastern: Currier, 484.
Carlyle-Centralia district: Shaw, 2035.
Good Hope quadrangle: Savage, 1965.
Kings quadrangle: Bretz, 205.
La Harpe quadrangle: Savage, 1965.
Morris quadrangle: Culver, 480.
Economic geology.
Allendale oil field extension: Collingwood, 420.
Coals, analyses: Hawley, 872.
Mineral resources, LaSalle region: Buzzard, 275.
Oil and gas development, Jacksonville area: Collingwood, 416.
Oil and gas development and possibilities, eastern Illinois: Mylius, 1649.
Oil prospects, Decatur area: Collingwood, 419.
Petroleum: Collingwood, 417.
1922: Collingwood, 418.
Waterloo anticline: Lamar, 1310.
Historical geology.
Carboniferous: Culver, 481.
Decatur area: Collingwood, 419.
Devonian, western Illinois: Savage, 1964.
Drift sheets of northwestern Illinois: Leighton, 1354.
Faunal horizons, Pennsylvanian rocks: Savage, 1968.
Geological section: Keyes, 1182.
Jacksonville area: Collingwood, 416.
La Salle anticline: Mylius, 1648.
Mississippi Valley: Krey, 1293.
Northeastern Illinois: Grant, 793.
Northern Illinois: Thurston, 2244.
Oriskany limestone: Savage, 1967.
Paleozoic rocks in deep wells: Thwaites, 2245.
Pennsylvanian, correlation, northwestern Illinois: Culver, 482.
Pleistocene, Lawrence County: Cox, 465.
Richmond beds: Savage, 1969.
Southern Illinois, geological history: Weller, 2425.
Waterloo anticline: Lamar, 1310.
Paleontology.
Angiosperm, Paleozoic, in coal: Hoskins, 982.
Black River Brachiopoda: Fenton, 678.
Braidwood flora: Noé, 1670.
Coal measures fossils near Galesburg: Jelliff, 1053.
Illinois—Continued.
Paleontology—Continued.
Devonian, western Illinois: Savage, 1964.
Fusulina, distribution: Culver, 481.
Mammalian faunas, shifting: Adams, 2.
Myeloxylon, coal measures: Seward, 2021.
Paleozoic angiosperm, Harrisburg: Noé, 1673.
Pleistocene Mollusca, Joliet: Baker, 64.
Stigmarian root, Chester formation: Foerste, 696.
Petrology.
Microscopic structure of rocks: Lamar, 1311.
Physical geology.
La Salle anticline: Mylius, 1648.
Mississippi Valley, structure: Krey, 1293.
Saline County coal field, faults and dikes: Bonnell, 172.
Physiographic geology.
Cahokia mounds, origin: Crook, 473; Leighton, 1352, 1356.
Chicago area: Downing, 583.
Drift sheets of northwestern Illinois: Leighton, 1354.
Glaciation, western Illinois: Leverett, 1368.
Pleistocene, northwestern Illinois: Leighton, 1353.
Prairies, origin: Woodard, 2529.
Sangamon River at Decatur, glacial history: Leighton, 1351.
Immiscibility in silicate melts: Greig, 811.
Indiana.
McCormick's Creek Canyon: Logan, 1399.
Paleolithic stone age: Balcom, 67.
Soil surveys: Bushnell, 267.
Economic geology.
Clays and shales: Logan, 1403.
Oil fields, southwestern Indiana: Logan, 1402.
Oil shales: Reeves, 1837.
Peat deposits: Logan, 1400.
Historical geology.
Cincinnati anticline, dimensions: Hubbard, 1005.
General: Logan, 1401.
Southwestern Indiana: Logan, 1402.
Paleontology.
Pleistocene shell, Porter County: Lyon, 1437.
Scorpion, Pottsville formation, Clay County: Moore, 1618.
Physical geology.
Marengo Cave: Speckman, 2107.
Physiographic geology.
Abandoned channels, Randolph and Delaware counties: Breeze, 203.
Lakes near La Porte: Tucker, 2289.
Raccoon Creek, Parke County, change of drainage: Bartle, 80.
Stream piracy near Greencastle: Smith, 2074.
Insecta.
Caddice fly cases, Green River formation, Wyoming: Bradley, 190.
Description of material in United States National Museum: Cockerell, 389.
Eocene, Colorado: Cockerell, 389.
Texas: Cockerell, 384.
Eomyza holoptera, Green River beds, Colorado: Cockerell, 391.
General: Brues, 231.

Insecta—Continued.
Hoplisus, Green River formation, Colorado: Cockerell, 380.
Hymenoptera, Florissant, Colorado: Cockerell, 388.
Kansas, Permian: Dunbar, 596; Tillyard, 2249.
Mosquitoes, oldest: Cockerell, 376.
Paleodictyopterid, Permian, Kansas: Tillyard, 2250.
Protohymenoptera, Kansas, Permian: Tillyard, 2251.
Sawflies, Florissant, Colorado: Cockerell, 379.
Siphlurites, Miocene May fly, Florissant, Colorado: Cockerell, 387.
Intercision, Pike River, Wisconsin: Ball, 68.
Interglacial periods. *See* Glacial geology.
Intrusions. *See* Dikes; Igneous and volcanic rocks; Laccoliths; Magmas.
Invertebrates (general). *See also the classes of invertebrates.*
Beekmantown series, Levis, Quebec: Clark, 351.
British Columbia, Vancouver Island, Sooke formation: Clark, 345.
California, Vacaville, Eocene: Palmer, 1703.
Carboniferous, Oklahoma: Morgan, 1632.
Devonian, western Illinois: Savage, 1964.
Harvard College, Museum of Comparative Zoology, report on invertebrate paleontology: Raymond, 1801, 1803.
Iowa, Des Moines, Carboniferous: Thomas, 2223.
Hackberry stage: Fenton, 677.
Kansas: Twenhofel, 2295.
Permian: Dunbar, 596.
Maine, Chapman sandstone: Raymond, 1802.
Maryland, Silurian: Swartz, 2181.
Missouri, Bailey limestone fauna: Tansey, 2189.
Devonian: Branson, 199.
Ste. Genevieve County, Little Saline limestone: Stewart, 2147.
Multilamellar invertebrates: Bassler, 88.
New York, Vernon shale fauna: Eaton, 619.
North Carolina, Cretaceous: Stephenson, 2143.
Ontario, upper Ordovician: Foerste, 697.
Quebec, upper Ordovician: Foerste, 697.
Silurian: Foerste, 696.
Vermont, Fort Cassin: Foyles, 714.
Iowa.
Conglomerate boulders, Centerville: Wilson, 2491.
State geologist's report: Kay, 1133.
Economic geology.
Gypsum: Wilder, 2469.
Mineral production, 1917 and 1918: Lees, 1345.
Mineral resources: Lees, 1348.
Petroleum and natural gas: Howell, 1000.
Historical geology.
Ames, glacial tills: Smith, 2081.
Black, bituminous shale near Palo, Linn County: Dille, 562.
Boring, Brighton: Lindly, 1388.
Holstein, Ida County: Lees, 1347.
Devonian: Keyes, 1250; Thomas, 2217.
Fort Dodge gypsum beds: Keyes, 1201; Lees, 1349.
Iowa—Continued.
Historical geology—Continued.
General: Howell, 1000; Keyes, 1171.
Gypsum deposits, age: Keyes, 1231.
Hackberry stage: Fenton, 677.
Hall's work in Iowa: Keyes, 1177.
Maquoketa shales, Jackson County: Ladd, 1295.
Missouri series, southwestern Iowa: Tilton, 2253.
Pleistocene, Des Moines: Lees, 1346.
Richmond beds: Savage, 1969.
Sweetland black shales, stratigraphic position: Keyes, 1189.
Volcanic ash, Des Moines: Keyes, 1163.
Windfield, boring: Lindly, 1387.
Paleontology.
Annelid jaws, Devonian: Searight, 2009.
Black River Brachiopoda: Fenton, 678.
Des Moines, Carboniferous: Thomas, 2223.
Devonian echinoderms, geographic distribution: Thomas, 2221.
Echinoderms, Devonian: Thomas, 2217.
Maquoketa beds, Fayette County: Slocom, 2070.
Eurypterus, Cambrian, Lansing: Walter, 2384.
Glass sponges: Thomas, 2218.
Hackberry stage: Fenton, 677.
Mammalian remains: Thomas, 2220.
Missouri series, southwestern Iowa: Tilton, 2253.
Pine cone from drift: Thomas, 2226.
Pleistocene mammalian remains: Thomas, 2225.
Proboscidea, Henry County: Jaques, 1050.
Rhynchonellid brachiopods, Devonian: Thomas, 2219.
Stegomastodon: Osborn, 1692.
State beds: Stainbrook, 2128.
Stromatopora, Iowa City: Thomas, 2216, 2222.
Physical geology.
Clay bank erosion, Lee County: Wilson, 2492.
Eolian sands in interglacial deposits, Des Moines: Keyes, 1170.
Fort Dodge gypsum beds: Keyes, 1201; Lees, 1349.
Rockford geodes: Galpin, 723.
Status of sedimentation studies: Trowbridge, 2275.
Physiographic geology.
Algona recessional stages of Wisconsin glaciation: Smith, 2082.
Ames, glacial tills: Smith, 2081.
Drainage changes, Lee County: Wilson, 2492.
Fort Dodge stages of retreating glaciers: Smith, 2083.
Glacial deposits: Kay, 1134.
Glacial Lake Calvin: Schoewe, 1982.
Glacial sheets: Keyes, 1190.
Lake Calvin, origin and history: Schoewe, 1985.
Mississippi River, temporary course: Schoewe, 1983.
Pleistocene, Des Moines: Lees, 1346.
western Iowa: Kay, 1135.
Stages in retreat of glaciers: Smith, 2085.
Underground water.
Water table of the loess: Keyes, 1188.

Iron.
Alabama, Birmingham district, Clinton ore: Crane, 468.
Clinton formation: Aldrich, 18.
Arizona, Plumosa district: Keyes, 1211.
California: Boalich, 165.
Distribution in meteorites and in earth: Adams, 4.
General: Burchard, 255, 256.
Georgia: Haseltine, 866.
Gogebic range: Hotchkiss, 989.
Iron ore resources of the South: Burchard, 258.
Iron protores, leaching of: Lovering, 1424.
Iron-depositing bacteria: Inman, 1039.
Mexico, Cerro de Mercado: Salazar Salinas, 1937.
Minnesota, Cuyuna district, manganiferous ores: Zapffe, 2559.
Cuyuna Range: Thiel, 2208.
Mesabi Range: Gruner, 822; Parsons, 1720; Schwartz, 1998.
northern, magnetites: Grout, 816.
New Brunswick, Bathurst mine: Parsons, 1725.
New York, Adirondack magnetites: Newland, 1664.
southeastern, magnetites: Colony, 429.
North Carolina, western: Bayley, 106.
Ontario: Ontario Iron Ore Committee, 1684.
Lake St. Joseph area: Bruce, 224.
Thunder Bay district: Tanton, 2193.
Pennsylvania: Pennsylvania G. S., 1734.
Porto Rico, eastern, magnetite deposits: Fettke, 687.
Humacao district: Fettke, 686.
Quebec, Arnprior-Quyon area: Wilson, 2498.
Saskatchewan, Lake Athabaska: Allan, 22.
Tennessee, eastern: Bayley, 106.
Utah, southern: Rohlfing, 1902.
Virginia, Wise and northern Scott counties: Eby, 621.
Wisconsin, Gogebic Range: Hotchkiss, 986.
Isostasy.
Abnormal densities in earth's crust: Bowie, 182.
Base for isostasy: Keyes, 1166.
Bearing on geological problems: Bowie, 184.
Bibliography: Knopf, 1281.
Density of igneous rocks: Washington, 2406.
General: Hayford, 884; Leith, 1359; Van Orstrand, 2328.
Geological implications: Lawson, 1337.
Gravity anomalies: Bowie, 185.
Gravity observations from the standpoint of the local geology: White, 2452.
Gravity results, Mackenzie basin: Miller, 1564.
Isostasy as a result of earth shrinkage: Shepard, 2046.
Isostatic investigations: Bowie, 180.
Periodic diastrophism: Shepard, 2046.
Raised beaches and thickness of ice sheets: Coleman, 411.
Rocky Mountains, isostatic aspects: Keyes, 1196.
Size of block of earth's crust independently in isostatic equilibrium: Bowie, 185.
Yielding of the earth's crust: Bowie, 178.
Jamaica.
Bibliography: Matley, 1496.
Government geologist, report: Matley, 1494, 1498.
Liguanea plain: Matley, 1495.
Areas described.
General: Brunton, 232; Cundall, 482a.
Economic geology.
Mineral resources: Brunton, 237.
Historical geology.
Cretaceous limestones: Trechmann, 2269.
General: Matley, 1494, 1496, 1499.
Richmond formation: Trechmann, 2268.
Yellow limestone: Trechmann, 2267.
Paleontology.
Crab, Cretaceous: Withers, 2519.
Cretaceous and Tertiary decapod crustaceans: Withers, 2520.
Cretaceous Echinoidea: Hawkins, 870.
Echinoidea: Hawkins, 871.
Yellow limestone: Trechmann, 2267.
Underground water.
General: Matley, 1497.
Jarbidge district, Nevada: Schrader, 1990.
Jointing.
California, Merced Canyon: Morse, 1639.
Jurassic. *See also* Paleontology, Jurassic.
Alaska, Cold Bay-Chignik district: Smith, 2091.
Kotsina-Kuskulana district: Moffit, 1602.
Alberta: Allan, 20.
Saunders Creek and Nordegg coal basins: Allan, 21.
Arizona, Hopi Buttes volcanic field: Reagan, 1807.
Lees Ferry region: Bryan, 240.
British Columbia, coast region: Dolmage, 568.
Coquihalla area: Cairnes, 281.
Kitsault River to Skeena River: Hanson, 853.
Skeena River to Stewart: Hanson, 856.
Yale district: Cairnes, 282.
Colorado: Keyes, 1227.
Moffat County: Sears, 2010.
Cuba, western: Wright, 2540.
Idaho, Bingham, Bonneville, and Caribou counties: Kirkham, 1273.
Mexico, eastern coast: Wittich, 2524.
northeastern: Böse, 168.
Montana: Bauer, 104.
Beartooth Mountains, Bevan, 155.
Kevin-Sunburst oil field: Clark, 348.
Nevada: Keyes, 1192.
Oregon, Riddle quadrangle: Diller, 564.
Pacific coast: Goranson, 771.
Utah: Keyes, 1219.
Grand and San Juan counties: Prommel, 1780.
San Juan Canyon: Miser, 1594, 1597.
southeastern: Longwell, 1404.
Wyoming, Lost Soldier-Ferris district: Fath, 670.
Wind River Mountains: Condit, 433.

Kansas.
Economic geology.
Burket-Seeley oil pool, Greenwood County: Loomis, 1412.
Shoestring sands of eastern Kansas: Rich, 1859,
Historical geology.
Cretaceous: Twenhofel, 2295.
Independence area: Reed, 1816.
Permian insects, environment: Dunbar, 596.
Permian unconformity: Chadwick, 315.
Red beds of Chester age, Mid-Continent region: Greene, 799.
Southeastern Kansas, subsurface conditions: Ley, 1374.
Western Kansas: Heald, 891.
Mineralogy.
Meteorite, Anthony, Harper County: Merrill, 1540.
Paleontology.
Amphibian footprints: Hanna, 852.
Cretaceous, invertebrates: Twenhofel, 2295.
Paleolimulus, Permian xiphosuran: Dunbar, 595.
Permian: Dunbar, 596.
Permian Insecta: Tillyard, 2249.
Protohymenoptera: Tillyard, 2251.
Tylosaurus, western Kansas: Gilmore, 749.
Physical geology.
Granite in wells: Gould, 786.
Shoestring sands of eastern Kansas: Rich, 1859.
Structure, relation to production of oil: Best, 154.
Physiographic geology.
Northeastern Kansas, glacial geology: Schoewe, 1984.
Till-like deposits, Douglas County: Schoewe, 1986.
Kaolin.
Formation: Parsons, 1721.
Georgia, Coastal Plain: Stull, 2172.
Pacific Northwest: Wilson, 2493.
Kaolinite associated with miarolitic structure: Buddington, 248.
Karsts.
Kentucky: Jillson, 1088.
Kentucky.
Bibliography: Jillson, 1066.
History of geological surveys: Jillson, 1066.
Jackson Purchase: Davis, 515.
McCreary County meteorite: Miller, 1571.
Mammoth Cave, bibliography: Jillson, 1065.
Report of Geological Survey, 1922–23: Jillson, 1064.
State parks: Jillson, 1074.
Webster County: Glenn, 759.
Areas described.
Caldwell County: Weller, 2426.
Princeton quadrangle: Weller, 2426.
Economic geology.
Asphalt coal (Nolin coal): Jillson, 1079.
Building stones: Richardson, 1862.
Cannel coal: Jillson, 1084.
Coal: Jillson, 1076.
Webster County: Glenn, 759.
Fluorspar deposits: Currier, 485.
Mica, eastern Kentucky: Jillson, 1078.
Mineral resources: Jillson, 1090.
Kentucky—Continued.
Economic geology—Continued.
Oil developments, central southern Kentucky: Nelson, 1658.
Oil horizons: Nelson, 1659.
Petroleum: Gardner, 726.
Petroleum problems: Beckner, 114.
Petroleum production: Jillson, 1081.
Road materials: Richardson, 1865.
Rock asphalt: Jillson, 1086.
Historical geology.
Cincinnati anticline, dimensions: Hubbard, 1005.
Cretaceous sediments, western Kentucky: Jillson, 1080.
Eastern Kentucky: Beckner, 113.
Haddix-Coalburg geosyncline: Jillson, 1068.
Jeptha Knobs, Shelby County: Bucher, 246.
Silurian, east central Kentucky: Foerste, 696.
Webster County: Glenn, 759.
Mineralogy.
Meteorite, Glasgow, Barren County: Merrill, 1532.
Paleontology.
Black River Brachiopoda: Fenton, 678.
Flora, western Kentucky coal field: Noé, 1671.
Mother plants of petroleum in Devonian black shale: White, 2448.
Niagaran, Jeptha Knob: Foerste, 696.
Pottsville faunas: Jillson, 1077.
Physical geology.
Caves, southern Kentucky: Miller, 1565.
Fault pattern: Jillson, 1082.
Faulting, north central Kentucky: Miller, 1567.
Haddix-Coalburg geosyncline: Jillson, 1068.
Irvine oil field, structure: Miller, 1570.
Isothrustic structure, Jeptha Knob: Jillson, 1072.
Mammoth Cave and cave region: Randolph, 1791.
Pottsville-filled channel in Mississippian: Burroughs, 263.
Slate slide, Letcher County: Jillson, 1070.
Subsurface structure, eastern Kentucky: Perry, 1742.
Western Kentucky, faulting: Currier, 485.
Physiographic geology.
General: Jillson, 1085.
Glacial boulders: Jillson, 1089.
Glacial pebbles, eastern Kentucky: Jillson, 1087.
Karst country: Jillson, 1088.
Relief map: Jillson, 1083.
Sink hole region, western Kentucky: Jillson, 1069.
Kerogen and origin of oil: Trager, 2265.
Kevin-Sunburst oil field, Montana: Clark, 348.
Keystone faults: Crosby, 476.
Kings quadrangle, Illinois: Bretz, 205.
Kirkland Lake gold area, Ontario: Hopkins, 979.
Kotsina-Kuskulana district, Alaska: Moffit, 1602.
Labrador: Canada, G. S., 298.
Lake Melville district: Kindle, 1261.
terraces: Kindle, 1267.
Physical geology.
Concretions: Kindle, 1260.
Sand bar, unusual type: Kindle, 1255.

Laccoliths: Davis, 530; formation: Keyes, 1162.
La Harpe quadrangle, Illinois: Savage, 1965.
Lakes.
Crater Lake, Oregon, origin: Diller, 563.
Finger Lakes, New York: Monnett, 1605.
Great Basin lakes, origin: Keyes, 1180.
Idaho, Mud Lake: Stearns, 2138.
Indiana, La Porte area: Tucker, 2289.
Lake Melville district, Labrador Peninsula: Kindle, 1261.
Minnesota, Mille Lacs: Sardeson, 1956.
Ohio, Berea, Lake Abram: Speckman, 2108.
Reelfoot Lake, Tennessee: Nelson, 1657.
Lakes, extinct. *See also* Glacial lakes.
Green River lake: Knowlton, 1285.
Lake Bonneville, origin: Keyes, 1180.
Lakes, glacial. *See* Glacial lakes.
Laminated anhydrite, Texas: Udden, 2302.
Lance problem: Ward, 2390.
Landslides.
Kentucky, Letcher County: Jillson, 1070.
Panama Canal slides: Nat. Acad. Sci., 1651.
Laramie problem: Thom, 2212.
Laterite, origin, composition and distribution: Swanson, 2173.
Lava flows.
Idaho, Moon National Monument: Stearns, 2137.
Lead.
Arizona: Heikes, 901.
Ray quadrangle: Ransome, 1792.
British Columbia: Robinson, 1885.
California: Hill, 931.
Central States: Dunlop, 602, 606.
Colorado: Henderson, 906, 911.
Creede district: Emmons, 650.
Eastern States: Dunlop, 601, 605.
General: Siebenthal, 2059, 2061, 2064, 2065.
Idaho: Gerry, 737, 739.
Shoshone County: Umpleby, 2316.
Mexico, Ahumada, Chihuahua: Rickard, 1875.
Missouri: Keyes, 1178.
Montana: Gerry, 741.
Nevada: Heikes, 895, 899.
New Mexico: Henderson, 904, 909.
Ontario, Arnprior-Quyon area: Wilson, 2498.
Galetta: Wilson, 2500.
Oregon: Hill, 932.
Pennsylvania: Miller, 1573; Pennsylvania G. S., 1734.
Quebec, Gaspe Peninsula: Beidelman, 117.
South Dakota: Henderson, 907.
Texas: Henderson, 910.
Upper Mississippi Valley: Spurr, 2122.
Utah: Heikes, 900.
Bingham district: Hunt, 1025.
Park City district: McKay, 1456.
Washington: Gerry, 738, 740.
Pend Oreille and Stevens counties: Jenkins, 1060.
Yukon, Beaver River area: Cockfield, 395.
Mayo district: Cockfield, 396.
Keno Hill: Cockfield, 394.
Lead and zinc pigments and salts: Siebenthal, 2061.
Lenses, classification: Fillman, 689.
Lesser Antilles, formation: Davis, 527.
Lignite. *See also* Coal.
Montana, Ekalaka field: Bauer, 105.
Scobey field, Valley, Daniels, and Sheridan counties: Collier, 415.
North Dakota: Dove, 580.
Saskatchewan: Lee, 1338.
Lime.
General: Loughlin, 1423.
Massachusetts, eastern New York, and western Connecticut: Dale, 496.
Limestone.
Ohio, Summerfield and Woodsfield quadrangles: Condit, 432.
Limestone alterations at Bingham, Utah: Winchell, 2511.
Limestone conglomerates, origin: Fillman, 690.
Loess.
Origin: Keyes, 1235.
Lost Soldier-Ferris district, Wyoming: Fath, 670.
Louisiana.
Compilation of Louisiana-Arkansas geology: Hull, 1012.
Economic geology.
Bellevue oil field: Holman, 969.
Cotton Valley oil and gas field, Webster Parish Powers, 1769.
Haynesville field, explanation of production of wells: Albertson, 8.
Mineral resources: Howe, 999.
Monroe gas field: Stroud, 2171.
Spring Hill-Sarepta gas field, Webster and Bossier parishes: Ponton, 1764.
Stratigraphy of oil-producing sands in northern Louisiana: Hull, 1011.
Structural features of oil fields, northern Louisiana: Crider, 470.
Surface indications of petroleum: Steinmayer, 2142.
Historical geology.
Arkadelphia formation, stratigraphy: Howe, 997.
Nacatoch formation: Howe, 998.
Sabine uplift: Huntley, 1032.
Stratigraphy of oil-producing sands in northern Louisiana: Hull, 1011.
Volcanic ash, northern Louisiana: Crider, 471.
Volcanic rocks in Cretaceous: Bramlette, 196.
Bentonite in Upper Cretaceous: Bramlette, 195.
Paleontology.
Pliocene Mollusca: Smith, 2073.
Physical geology.
Differential compacting the cause of certain Claiborne dips: Teas, 2198.
Sandstone inclusion in salt in mine on Averys Island: Heald, 893.
Structural features of oil fields, northern Louisiana: Crider, 470.
Lower Silurian. *See* Ordovician.
Luling oil field, Caldwell County, Tex.: Sellards, 2017.
Luzerne quadrangle, New York: Miller, 1583.
McCalls Ferry quadrangle, Pennsylvania: Jonas, 1112.

Mackenzie.
Areas described.
Franklin Mountains: Williams, 2473, 2475.
Mackenzie River between Wrigley and Norman: Hume, 1016.
Norman oil area: Hume, 1013.
Providence to Simpson: Whittaker, 2462.
Economic geology.
Fort Norman oil area: Hume, 1015.
Historical geology.
Franklin Mountains: Williams, 2475.
Kinderhook, Liard River: Hume, 1014.
Paleontology.
Kinderhook, Liard River: Hume, 1014.
Physical geology.
Gravity results, Mackenzie basin: Miller, 1564.
Magmas and magmatic differentiation. *See also* Intrusions; Laccoliths; Lavas.
Anorthosites, formation: Loewinson-Lessing, 1397.
Differentiation: Day, 535.
Final consolidation phenomena in the crystallization of igneous rock: Colony, 430.
General: Hixon, 949.
Igneous rocks: Vogt, 2350.
Metallic concentrations: Spurr, 2120.
Metals in intrusive magmas: Spurr, 2121.
"Molten magma": Lewis, 1370; Strauss, 2170.
Relation of crystallization to water content and vapor pressure of water in a cooling magma: Morey, 1629.
Magnesite.
General: Hill, 934.
Quebec, Grenville: Bain, 59.
Types of magnesite deposits and their origin: Bain, 62.
Magnesium: Hill, 929.
Magnesium salts.
Saskatchewan: Cole, 405.
Western Canada: Cole, 404.
Magnetic methods for exploration: Hotchkiss, 987.
Magnetic surveying on copper-bearing rocks of Wisconsin: Aldrich, 17.
Magnetite. *See* Iron.
Magnetite, fumarolic: Zies, 2560.
Maine.
Turners Lake, Isle-au-Haut: Bishop, 161.
Economic geology.
Granite: Dale, 495; Smith, 2076.
Historical geology.
Graptolite locality, Waterville: Perkins, 1736.
Rangeley conglomerate: Smith, 2072.
Mineralogy.
Chrysoberyl pegmatite, Hartford: Palache, 1701.
Paleontology.
Chapman sandstone: Raymond, 1802.
Monograptus, Waterville: Perkins, 1736.
Petrology.
Ogunquit, igneous rocks: Keeley, 1138.
Physiographic geology.
Gulf of Maine, morphology: Johnson, 1099.
Mammalia.
Agate fossil quarry, Sioux County, Nebraska: Matthew, 1505.
Alticamelus, Mohave Desert: Davidson, 514.
Apatemyidae: Troxell, 2280.
Mammalia—Continued.
Bison, Minnesota: Hay, 876.
Bridger Carnivora: Thorpe, 2235.
Carnivora, Uinta, Utah: Thorpe, 2236.
Cats, Rancho La Brea, California: Merriam, 1523.
Cetacean, Xenoruphus, South Carolina: Kellogg, 1142.
Colorado, Brown's Park: Peterson, 1746.
Colorado Museum, fossil mammals: Cockerell, 386.
Desmostylus: Hay, 877.
Desmostylus and Cornwallius, osteology and dentition: Hay, 880.
Diplodocus, skull: Holland, 965.
Diplolophus, Oreodon beds, Nebraska: Troxell, 2278.
Dolichorhinus: Peterson, 1747.
Elephant remains, Minnesota: Stauffer, 2134.
Herpetotherium marsupium, Bridger Basin: Troxell, 2281.
Hesperopithecus: Gregory, 805.
Horse remains, North Carolina: Cobb, 375.
Iowa, Henry County, Proboscidea: Jaques, 1050.
Mammoth tusk, Banks Island: Kindle, 1265
Maryland, Calvert Cliffs, whale: Kellogg, 1144.
squalodonts: Kellogg, 1141.
Mastodon, extinction: Russell, 1928, 1929.
New York: Clarke, 363.
Merychyus, restoration: Peterson, 1745.
Merycochoerus and Promerycochoerus, distinctions: Thorpe, 2240.
Merycoidodon, hyoid apparatus: Thorpe, 2237.
Merycoidodontida, characters: Thorpe, 2239.
Mexico, Chihauhua, Mina Erupcion: Eaton, 618.
Muskox skull, Iroquois Beach, Toronto, Ontario: Bensley, 132.
New York, Mastodons: Osborn, 1686.
Oreodon beds faunas, South Dakota: Sinclair, 2067.
Oreodons of Lower Harrison beds, Wyoming: Loomis, 1409.
Oreodontoides oregonensis, John Day formation, Oregon: Thorpe, 2242.
Oreodonts, Oligocene, Montana: Loomis, 1410.
Parelephas: Osborn, 1691.
Pauromys, Bridger formation, Wyoming: Troxell, 2277.
Pelagic mammals: Kellogg, 1145.
Perchoerus skulls, White River and John Day formations: Pearson, 1731.
Plesippus, Blanco formation, Texas: Matthew, 1509.
Primates, Paleocene, Montana: Gidley, 743.
Proboscidea: Hay, 877.
evolution: Osborn, 1688.
Prosthennops (peccary), Oregon: Thorpe, 2243.
Radial exostosis in Daphoenus: Romer, 1905.
Rhinoceros: Troxell, 2276.
Rodentia, Eocene: Troxell, 2279.
Snake Creek fossil quarries: Matthew, 1504.
Squalodonts: Kellogg, 1141.
Stegomastodon, Proboscidea: Osborn, 1692.
Stenomylus, hyoid arch: Peterson, 1744.
Texas, Miocene: Hay, 879.

Mammalia—Continued.
Tertiary Mammalia, extinction: Cockerell, 377.
Uintatherium molars: Wood, 2528.
Whale, Monterey group, California: Hanna, 849.
Zarhachis, Calvert formation, Maryland: Kellogg, 1143.
Man, fossil.
Ancestry: Hill-Tout, 942.
Antiquity in America: Hrdlicka, 1001.
in California: Merriam, 1525.
Artifacts associated with Elephas, Melbourne, Florida: Loomis, 1411.
California, Los Angeles: Stock, 2150.
Evolution: Huntington, 1031.
General: Balcom, 67; Hay, 873.
Hesperopithecus and Pithecanthropus molars: Gregory, 808.
Human dentition, evolution: Gregory, 804.
Occurrence with Pleistocene fossils, Dallas, Texas: Shuler, 2057.
Origin: Gregory, 810.
and antiquity: Miller, 1569.
Phylogeny of man: Hill-Tout, 940.
Pithecanthropus molars: Gregory, 808; Miller, 1574.
Pleistocene man: Johnson, 1102.
Tertiary man: Johnson, 1101.
Manganese.
Cuba, Bueycito: Calvache Dorado, 287.
General: Jenison, 1055; Meyer, 1554.
Minnesota, Cuyuna Range: Thiel, 2205.
Nova Scotia: Jennison, 1062.
Lunenburg County: Fearing, 671; Reid, 1844.
Oklahoma, Custer County: Reiter, 1848.
Porto Rico, Ponce district: Mitchell, 1598.
Tennessee, eastern: Stose, 2159.
Manganese minerals: Thiel, 2203.
Manhattan district, Nevada: Ferguson, 679.
Manitoba.
Areas described.
Beresford Lake area: Wright, 2547.
Elbow Lake area, northern Manitoba: Armstrong, 42.
Flinflon area: Alcock, 9.
Rice Lake area, southeastern Manitoba: Wright, 2546.
Economic geology.
Clays, Lake Agassiz basin: Wallace, 2382.
Cretaceous shale: Ells, 634.
Mineral resources: Wallace, 2381.
Mineralogy.
Cyanite, Reed-Wekusko area: Wallace, 2383.
Physical geology.
Marlite balls: Kindle, 1258.
Map making. *See* Cartography.
Maps. *See* Geologic maps; Relief maps.
Marble.
Constitution, characters, and history: Dale, 497.
Physical features: Bowles, 186.
Tennessee, east: Dale, 497; Gordon, 772.
Maryland.
Economic geology.
Coal: Swartz, 2175.
Fire clay localities: Hall, 837.
Fire clays: Watts, 2415.
western Maryland: Mathews, 1491.
Mineral resources: Mathews, 1493.
Maryland—Continued.
Historical geology.
Carboniferous: Swartz, 2177.
Clinton formations: Ulrich, 2312.
Coal measures: Swartz, 2176.
Crystalline schists, eastern Maryland: Knopf, 1282.
Ordovician overlap, Piedmont province: Stose, 2160.
Pre-Cambrian, western Piedmont: Jonas, 1113.
Rose Hill and McKenzie formations, sections: Prouty, 1781.
Silurian: Swartz, 2178.
correlation: Swartz, 2180; Ulrich, 2311.
Wills Creek and Tonoloway formations: Swartz, 2179.
Mineralogy.
Gahnite, cobaltiferous, Carroll County: Shannon, 2027.
Margarite, Montgomery County: Shannon, 2032.
Remingtonite, Carroll County: Shannon, 2034.
Paleontology.
Silurian: Swartz, 2181.
Squalodonts, Calvert Cliffs: Kellogg, 1141.
Whale, Calvert Cliffs: Kellogg, 1144.
Zarhachis, Calvert formation: Kellogg, 1143.
Physical geology.
Black shale formation: Goldman, 763.
Ocean inlets, storm effect: Hite, 946.
Massachusetts.
Economic geology.
Granite: Dale, 495.
Lime belt: Dale, 496.
Silver, Newburyport: Green, 796.
Mineralogy.
Scapolite deposits, Bolton: Palache, 1700.
Paleontology.
Aspidella-like markings, Cambridge slate: Clark, 353.
Boston area, Cambrian: Clark, 353.
Petrology.
Granites and pegmatites of Cape Ann: Warren, 2395.
Physical geology.
Boston, earthquake risk: Crosby, 474.
Earthquake, January 7, 1925: Porter, 1767.
Keystone fault, Purgatory Chasm, Sutton Crosby, 476.
Physiographic geology.
Physical features, central Massachusetts: Alden, 15.
Meandering.
Missouri, Ozark region, intrenched and incised meanders: Tarr, 2195.
Meetings. *See* Associations.
Melilite, composition: Winchell, 2512; genesis: Bowen, 175.
Mercury. *See* Quicksilver.
Mesozoic (undifferentiated).
Alaska, Alaska Railroad region: Capps, 301.
Ruby-Kuskokwim region: Mertie, 1544.
Metallic concentrations by magmation, origin: Spurr, 2120.
Metallogenetic zones: Rastall, 1796.
Metamorphic rocks, identification: Leith, 1360.

Metamorphism.
Adirondacks, contact metamorphism: Agar, 7.
California, Catalina Island: Woodford, 2530.
Crystalline schists, southeastern Pennsylvania and Maryland: Knopf, 1282.
Grenville limestone, Quebec: Bain, 60.
Kaolin, formation: Parsons, 1721.
Limestone alterations at Bingham, Utah: Winchell, 2511.
Minnesota, Ely greenstone, contact metamorphism: Schwartz, 2001.
Mount Royal contact-metamorphic zone, Quebec: Dolan, 567.
Porto Rico, Humacao district: Fettke, 686.
Utah, Bingham: Lindgren, 1384.
Vermont, Whitingham area: Hubbard, 1004.
Meteor Crater, Arizona: Barringer, 78.
Meteorites.
Anthony, Harper County, Kansas: Merrill, 1540.
Cumberland Falls, Kentucky: Meunier, 1549.
Dungannon, Virginia: Merrill, 1530.
Estherville, Iowa: Meunier, 1549.
Four Corners, San Juan County, New Mexico: Merrill, 1541.
General: Miller, 1566.
Glasgow, Barren County, Kentucky: Merrill, 1532.
McCreary County, Kentucky: Miller, 1571.
McDowell County, North Carolina: Merrill, 1536.
Mesa Verde Park, Colorado: Merrill, 1531, 1533.
New Baltimore, Somerset County, Pennsylvania: Merrill, 1533, 1534.
Oklahoma: Shannon, 2023.
Pennsylvania: Stone, 2156.
Quartz in meteoric stones: Merrill, 1539.
Rose City, Michigan: Hovey, 991, 992.
Savannah, Tennessee: Merrill, 1531.
Sharps, Virginia: Watson, 2411.
Smithville, Oklahoma: Shead, 2039.
Temperature: Jones, 1114.
Mexico.
Northeastern Mexico: Staub, 2133.
Areas described.
Cerro de Mercado, Durango: Salazar Salinas, 1937.
Lower California: Gálvez, 724.
Economic geology.
Ahumada lead mine, Chihuahua: Rickard, 1875.
Cananea, supergene enrichment of copper: White, 2447.
Chiautla, Puebla: Wittich, 2525.
Coal and petroleum: Obregon, 1676.
Copper deposits, Zacatecas: Keyes, 1220.
Huautla, Morelos: Wittich, 2525.
Iron, Cerro de Mercado, Durango: Salazar Salinas, 1938.
Mineral resources: Wittich, 2523.
Oil fields: Sansom, 1950.
Petroleum, Chiapas and Tabasco: Vivar, 2348.
Isthmus of Tehuantepec: Huntley, 1034.
Tabasco: Jones, 1119.
Tabasco and Chiapas: Lajous, 1308.
Primary chalcocite, Cananea: Mitchell, 1601.
Sierra Mojada district, Coahuila: Shaw, 2038.
Sinaloa: Pagliuchi, 1696.
Mexico—Continued.
Historical geology.
Boring, Idolo Island, Vera Cruz: Dumble, 593.
Chiapas and Tabasco: Vivar, 2348.
Cretaceous: Hill, 937.
Zacatecas, Durango, and Guerrero: Böse, 167.
East coast: Wittich, 2524.
Geologic map: Mexico, Secr. Agr., 1552.
Isthmus of Tehuantepec: Huntley, 1034.
Lower California: Johnston, 1106.
Marine Wilcox: Dumble, 591.
Mesozoic formations: Goranson, 771.
Northeastern Mexico: Böse, 168.
Petroliferous area of eastern Mexico: Ver Wiebe, 2346.
Tabasco: Jones, 1119.
Velasco formation, Tampico Embayment region: Cushman, 486.
Mineralogy.
Catalogue of minerals: Mexico, Inst. Geol., 1550.
Clinozoisite, Lower California: Rogers, 1899.
Geographic distribution of minerals: Mexico, Inst. Geol., 1551.
Stephanite, Sultepec: Shannon, 2025.
Paleontology.
Cretaceous, Zacatecas, Durango, and Guerrero: Böse, 167.
Echinoids, San Rafael and Tuxpam beds, Tampico region: Israelsky, 1042.
Miocene plants, southern Mexico: Berry, 139.
Ochetoceras, phylogeny: O'Connell, 1677.
Quaternary Mollusca, Lower California: Jordan, 1127.
Vertebrate fossils, Mina Erupcion, Chihuahua: Eaton, 618.
Petrology.
Eruptive rocks, Minillas, Cerro Prieto, Pichagua, and Sierra de Ramírez: Bonillas, 171.
San Martin Tuxtla volcanic area: Friedlaender, 719.
Physical geology.
Earthquake, January 3, 1920: Salazar, 1936.
Northeastern Mexico, structure: Böse, 168.
San Martin Tuxtla volcanic area: Friedlaender, 719.
Veining, Sierra de las Cucaras, Baja California: Keyes, 1165.
Underground water.
Artesian basin of Zavala, San Luis Potosí: Paredos, 1708.
Mica.
General: Sterrett, 2145; Stoddard, 2152, 2153.
Kentucky, eastern: Jillson, 1078.
United States: Sterrett, 2145.
Michigan.
History of surveys: Allen, 26, 27.
Meteor, southwestern Michigan, November 26, 1919: Hobbs, 951.
Publications relating to Michigan geology: Michigan G. S., 1556.
Economic geology.
Gogebic iron range: Hotchkiss, 989.
Mineral resources: Smith, 2086, 2088.
Oil development: Smith, 2087.

Michigan—Continued.
Historical geology.
Cataract formation: Ehlers, 629.
Collingwood formation: Ruedemann, 1927.
Drill core section, Detroit: Vanderwilt, 2322.
Salina formation: Vanderwilt, 2322.
Surface formations, map: Leverett, 1367.
Mineralogy.
Float copper: Kraus, 1292.
Isotropic quartz, Iron River: Winchell, 2513.,
Meteorite, Rose City, Ogemaw County: Hovey, 991, 992.
Paleontology.
Devonian gastropod and cephalopod: Ehlers, 627.
Lipsanocystis traversensis, Devonian cystid: Ehlers, 628.
Silurian Cephalopoda, northern Michigan: Foerste, 698.
Physical geology.
Geotherms of Lake Superior copper country: Lane, 1320.
Marlite balls: Kindle, 1258.
Physiographic geology.
Surface formations, map: Leverett, 1367.
Microchemical reactions: Lindgren, 1385.
Micrometer, recording, for rock analysis: Wentworth, 2431.
Mineral analyses. *See list, p. 246.*
Mineral resources (general). *See also Economic geology under names of States.*
Alabama: Maynard, 1510; Smith, 2075.
Alaska: Brooks, 219.
Arkansas: Branner, 197; Ferguson, 681.
British Columbia: Nichols, 1666.
California: Bradley, 192; Hamilton, 838.
Canada: Graham, 792.
Cuba, Isla de Pinos: Roque Allende, 1906.
Pinar del Rio: Roque Allende, 1907.
Florida: Gunter, 827.
Georgia: McCallie, 1441; Maynard, 1510.
Greenland: Ball, 72.
Illinois, LaSalle region: Buzzard, 275.
Iowa: Lees, 1345, 1348.
Kentucky: Jillson, 1900.
Labrador: Coleman, 414.
Louisiana: Howe, 999.
Manitoba: Wallace, 2381.
Maryland: Mathews, 1493.
Mexico: Wittich, 2523.
Michigan: Smith, 2086, 2088.
Mississippi: Lowe, 1429.
Missouri: Buehler, 252, 253.
Nevada: Lincoln, 1378.
New Jersey: Twitchell, 2296.
North Carolina: Drane, 584.
Nova Scotia: Anon., 2572.
Oklahoma: Gould, 789.
Ontario: Corless, 453; Ontario Dept. Mines, 1683.
Ohio: Peattie, 1732.
Quebec: Dresser, 585.
mineral deposits: Alcock, 11.
South Carolina: Calhoun, 285.
South Dakota: Ward, 2391.
Tennessee: Nelson, 1662.
Texas: Sellards, 2018.
Mineral resources—Continued.
United States: Loughlin, 1417.
Vermont: Perkins, 1738, 1740.
Virginia: Watson, 2414.
Washington: Shedd, 2045.
West Virginia: White, 2455.
Mineral water: Collins, 422, 423, 424.
Mineralization along the dikes of southern Vermont: Bray, 202.
Mineralography of the feldspars: Alling, 28.
Mineralogy (general). *For areal see names of States. For particular minerals see list, p. 247. See also* Crystallography; Meteorites; Technique.
Acmite and aegirite: Washington, 2407.
Amphibole group: Winchell, 2509.
Anisotropism in metallic minerals: Sampson, 1944.
Atomic volume isomorphism: Wherry, 2445.
Babingtonite: Washington, 2405.
Biotite: Grout, 819.
Bornite as a furnace product: Guild, 823.
Calcites, behavior to radium radiations: Headden, 887.
luminescence: Headden, 888, 889.
"Ceruleofibrite" is connellite: Holden, 961.
Chalmersite, occurrence: Schwartz, 1996.
Color in rose quartz, cause: Holden, 962.
Copper deposits, Parry Sound, Ontario: Schwartz, 2002.
Crystal cleavage and crystal structure: Huggins, 1009.
Crystal structure, analysis by X rays: Bragg, 194.
Cubanite, identity with chalmersite: Merwin, 1545.
Determinative mineralogy: Lewis, 1369.
Development of methods: Walker, 2364.
Dolomite, crystal structure: Wyckoff, 2552.
Enstatite, hypersthene, and actinolite: Washington, 2398.
Enstatite and clino-enstatite: Wyckoff, 2551.
Feldspars, mineralography: Alling, 28.
Field book: Loomis, 1408.
Fossil bone: Rogers, 1896.
Germanite: Thomson, 2230.
Heat, effects on properties of minerals: Lonsdale, 1407.
Hydromagnesite, crystallography: Rogers, 1894.
Isomorphism of albite and anorthite: Zambonini, 2558.
Isotropic quartz, Iron River, Michigan: Winchell, 2513.
Manganese minerals: Thiel, 2203.
identification: Fairbanks, 667.
Melilite, composition: Winchell, 2512; genesis: Bowen, 175.
Method for checking index of a liquid: Rutherford, 1933.
Methods for heavy mineral investigations: Reed, 1819.
Mineralogical Society of America, third annual meeting, Ann Arbor: Van Horn, 2323.
fourth annual meeting, Washington, 1923: Van Horn, 2325.
Minerals, determination: Ellis, 633.

Mineralogy—Continued.
Mullite, silicate of alumina: Bowen, 176.
New crystal forms of minerals: Whitlock, 2457
Niobium, tantalum, and titanium, determination: Todd, 2255.
Oblique illumination in mineragraphy: Myers, 1647.
Optic angle of crystal, determination: Phemister, 1752.
Optic axial angle of minerals, new method for measuring: Johannsen, 1092.
Pearls: Wright, 2543.
Phosphorescence and luminescence in calcites: Headden, 886.
Pyrite, crystallography: Whitlock, 2458.
Pyroxene group: Winchell, 2508.
Pyroxenes, X-ray diffraction patterns: Wyckoff, 2551.
Quartz, color of three varieties: Holden, 960.
in meteoric stones: Merrill, 1539.
inversion in chalcedony: White, 2456.
spectrograph in mineral analysis: Todd, 2256.
Quartz-diamond intergrowth: Colony, 431.
Relation of hardness to sequence of ore minerals: Gilbert, 745.
Rotation apparatus: Kerr, 1156.
Scapolite, properties: Winchell, 2510.
Searlesite, crystallography: Rogers, 1897.
Shattering of minerals and rocks about inclusions: Walker, 2368.
Sillimanite: Bowen, 177.
Spectroscopy applied to mineral determination: Douglas, 575.
Stannite and associated minerals: Schwartz, 1999.
Surface of a crystal: Wherry, 2444.
Sussexite, optical data: Poitevin, 1762.
Tellurides: Thomson, 2231.
Thomsonite, composition: Gordon, 781; Wherry, 2441.
optical notes: Gordon, 779.
Trevorite: Walker, 2370.
Volume isomorphism in silicates: Wherry, 2440.
Wentworth recording micrometer, improved: Hunt, 1027.
X-ray determination of minerals: Mead, 1512.
Minerva oil field, Milam County, Texas: Hager, 829.
Minnesota.
Minnesota, geology of the name: Sardeson, 1953.
Economic geology.
Clay: Grout, 818.
Foundry sands: Knapp, 1275.
Iron, Mesabi Range: Gruner, 822.
Iron sulphides in magnetic belts near the Cuyuna Range: Thiel, 2206.
Magnetite pegmatites, northern Minnesota: Grout, 816.
Magnetite slates, Cuyuna Range: Thiel, 2208.
Manganese, Cuyuna Range: Thiel, 2205.
Manganiferous iron ores, Cuyuna district: Zapffe, 2559.
Mesabi iron ores: Parsons, 1720; Schwartz, 1998.
Minnesota—Continued.
Economic geology—Continued.
Native silver in an iron mine, Cuyuna range, Crosby: Lane, 1323.
Portland cement materials: Sardeson, 1952.
Potash in shales: Schmitt, 1980.
Historical geology.
Geologic history: Meinzer, 1520.
Geological section: Keyes, 1182.
Lake Superior geosyncline: Hotchkiss, 990.
Mesabi Range: Gruner, 822.
Type outcrops, Minnesota River valley: Sardeson, 1959.
Vermilion granite: Grout, 816.
Volcanic ash, Ordovician: Sardeson, 1960.
Mineralogy.
Mesabi Range: Gruner, 822.
Stilpnomelane: Grout, 820.
Xonotlite, Mineral Center, Cook County: Schwartz, 2000.
Paleontology.
Algae, Archean: Gruner, 821.
Bison: Hay, 876.
Elephant remains: Stauffer, 2134.
Ordovician clams, habit: Sardeson, 1962.
Petrology.
Ely greenstone, granite and gabbro intrusions: Schwartz, 2001.
Physical geology.
Ladder veins: Grout, 817.
Physiographic geology.
Buffalo Plains, origin: Sardeson, 1957.
Eskers: Sardeson, 1955.
Mille Lacs: Sardeson, 1956.
Minnesota and Mississippi rivers, drainage changes: Sardeson, 1953.
Miocene. *See* Tertiary.
Miscellaneous. *See also* Addresses.
Abstracting geologic literature: Keyes, 1206.
Appalachian field trip: Morse, 1640.
Continents and oceans, origin: Wegener, 2420.
Cooperation in geology: De Golyer, 548.
Decadence of geology (?): Bastin, 96; Keyes, 1251.
Economic geologist: De Golyer, 550.
Education of a geologist: Brock, 215; Lindgren, 1380.
Geodetic work, value to geology: Bowie, 179.
Geologic teaching in mining engineering: Dake, 493.
Geology, U. S. National Museum: Merrill, 1528.
Geology a growing science: Bastin, 96.
Geology as an aid to air navigation: Christie, 339.
Marking geological features: Troxell, 2282.
Miscroscope and the decadence of geology: Cady, 277; Eng. and Min. Jour.-Press, 654; Joralemon, 1121.
Microscope in geology: Waldschmidt, 2362.
Modern geology and its contribution to engineering: Leighton, 1357.
National Research Council, division of geology and geography, work of: Lawson, 1335.
Oil geology and science: Heald, 892.
Outlook for geology: DeWolf, 559.
Preparation in geological communication: Keyes, 1210.

Mississippi.
Report of director of geological survey: Lowe, 1426.
Economic geology.
Bauxite: Morse, 1637.
Mineral resources: Lowe, 1428, 1429.
Petroleum prospecting: Lowe, 1427; Morse, 1638.
Historical geology.
Borings: Lowe, 1427.
Stratigraphy: Lowe, 1427.
Mississippi River, temporary course in Iowa: Schoewe, 1983.
Mississippian. *See* Carboniferous.
Missouri.
State geologist, report 1921-22; Buehler, 252.
Economic geology.
Diaspore clay: Wysor, 2553.
High temperature vein, Madison County: Tarr, 2194.
Lead and zinc deposits: Keyes, 1178.
Mineral deposits: Buehler, 252.
Mineral resources: Buehler, 253.
Oil and gas: Wilson, 2497.
Historical geology.
Bailey limestone, Little Saline Creek area: Tansey, 2189.
Devonian formations along the Missouri River: Branson, 199.
Geological map: Buehler, 251.
Geology and stratigraphy: Wilson, 2497.
Little Saline limestone, Ste. Genevieve County: Stewart, 2147.
Mississippi Valley: Krey, 1293.
Ordovician nomenclature: Keyes, 1171.
Paleozoic formation margins: Branson, 200.
Section, Meramec Highlands, St. Louis County: Shipton, 2055.
Paleontology.
Bailey limestone fauna: Tansey, 2189.
Black River Brachiopoda: Fenton, 678.
Devonian: Branson, 199.
Little Saline limestone fauna, Ste. Genevieve County: Stewart, 2147.
Stropheodonta demissa, evolution in Snyder Creek shales: Branson, 198.
Physical geology.
Crystalline rocks of the plains: Gould, 786.
Mississippi Valley, structure: Krey, 1293.
Septaria, Pennsylvanian shale, St. Louis: Grawe, 794.
Physiographic geology.
General: Keyes, 1247.
Glacial deposits: Leverett, 1366.
Glaciation, southeastern Missouri: Leverett, 1368.
Nebraskan drift, northern Missouri: Shipton, 2056.
Relief map: Keyes, 1245.
Streams on northern slope of Ozark Plateau: Tarr, 2195.
Subterranean stream piracy in the Ozarks: Dake, 492.
Underground water.
Ebb and flow springs, Ozarks: Bridge, 212.
Molding sand.
Ohio: Bownocker, 187.
Mollusca. *See also* Cephalopoda; Gastropoda; Invertebrates (general); Pelecypoda.
Alaska, Peard Bay region, Pleistocene: Meek, 1513.
Arctic coast, Pleistocene: Dall, 498.
British Columbia, Vancouver Island, Sooke formation: Clark, 345.
California, San Lorenzo group: Wagner, 2352.
Sonoma County, Miocene lacustrine mollusks: Hanna, 842.
Canada, Brock River, Tertiary: Dall, 498.
Costa Rica, Miocene: Palmer, 1707.
Eocene, southwestern Texas: Gardner, 727.
Eocene and Oligocene: Cooke, 439.
Florida, Tertiary and Quaternary: Mansfield, 1482.
Haiti, Tertiary: Woodring, 2535.
Idaho formation, Snake River valley: Dall, 501.
Illinois, Joliet, Pleistocene: Baker, 64.
Jamaica, Cretaceous: Trechmann, 2269.
Richmond formation, Tertiary: Trechmann, 2268.
Yellow limestone: Trechmann, 2267.
Louisiana, Pliocene: Smith, 2073.
Mexico, Cretaceous: Böse, 167.
Lower California, Quaternary: Jordan, 1127.
Miocene and Pliocene, Coastal Plain: Gardner, 729.
Nomenclature: Dall, 500.
Orygoceras, Tertiary, Idaho: Dall, 499.
Pacific region, Cretaceous: Reagan, 1806.
Rectifications of nomenclature: Hanna, 847.
San Pedro fauna, Nob Hill cut, California: Oldroyd, 1681.
Washington, Eocene: Weaver, 2417.
West Indian, Central American, and European Miocene and Pliocene: Woodring, 2537.
Molluscoidea. *See* Brachiopoda; Bryozoa.
Molybdenum.
Canada: Eardley-Wilmot, 611, 613.
General: Hess, 916, 917, 919.
Idaho, Rocky Bar district: Schrader, 1992.
Quebec, Arnprior-Quyon area: Wilson, 2498.
Utah, Ouray: Hess, 915.
Montana.
Areas described.
Beartooth Mountains: Bevan, 155.
Butte district, Silver Bow County: Daly, 507.
Ekalaka lignite field: Bauer, 105.
Fergus County: DeKalb, 553.
Musselshell and Golden Valley counties: Ellis, 631.
Scobey lignite field, Valley, Daniels, and Sheridan counties: Collier, 415.
Economic geology.
Butte district, Silver Boy County: Daly, 507.
Central Montana, examination for oil: Reeves, 1832.
Cone domes of oil fields: Sardeson, 1951.
Gold, silver, copper, lead, and zinc: Gerry, 741.
Kevin-Sunburst oil field: Clark, 348.
Magmatic chalcopyrite, Park County: Lovering, 1425.
Oil and gas possibilities, faulted area south of Bearpaw Mountains: Reeves, 1836.
Petroleum, central Montana: 1831, 1833.

Montana—Continued.
Economic geology—Continued.
Secondary enrichment in genesis of Butte chalcocite: Locke, 1396.
Sunburst oil and gas field: Hager, 831; Sardeson, 1951.
Supergene processes at Neihart: Bastin, 92.
Tullock Creek coal field, Rosebud and Big Horn counties: Rogers, 1900.
Historical geology.
Area south of Bearpaw Mountains: Reeves, 1836.
Bearpaw Mountains: Reeves, 1835.
Belt series: Wilson, 2507.
Belt terrane, Big Snowy Mountains: Freeman, 717.
Belton district, northwestern Montana: Seashore, 2013.
Central Montana, Cat Creek anticline: Reeves, 1831.
Devils Basin anticline: Reeves, 1833.
examination for oil: Reeves, 1832.
Colorado group, southern Montana: Reeside, 1826.
Cretaceous-Eocene transition beds: Thom, 2212.
Fergus County: Reeves, 1834.
Kevin-Sunburst oil field: Clark, 348.
Lance-Fox Hills contact, eastern Montana: Dobbin, 566.
Rosebud County: Renick, 1852, 1854.
Stratigraphy, comparative: Bauer, 104.
Tullock Creek coal field, Rosebud and Big Horn counties: Rogers, 1900.
Upper Cretaceous paleogeography: Robinson, 1886.
Mineralogy.
Leuchtenbergite, Philipsburg: Shannon, 2026.
Leverrierite: Ross, 1909.
Witherite, Altyn limestone, Many Glacier: Fuller, 722.
Paleontology.
Colorado group, southern Montana: Reeside, 1826.
Cretaceous Mollusca: Reagan, 1806.
Eporeodons, White River beds: Thorpe, 2241.
Oreodonts, Oligocene, Three Forks: Loomis, 1410.
Primates, Sweetgrass County: Gidley, 743.
Tempskya knowltoni: Seward, 2022.
Physical geology.
Bearpaw Mountains, structure: Reeves, 1835.
Faulting south of Bearpaw Mountains: Reeves, 1836.
south of Billings: Moulton, 1643.
Rocky Mountains, structure: Mansfield, 1475.
Structural features, central Montana: Thom, 2210.
Underground water.
Base exchange by silicates in ground water: Renick, 1852.
Ground water and natural gas, relations: Renick, 1854.
Musselshell and Golden Valley counties: Ellis, 631.
Moon's craters, impact origin: Beard, 111.
Moon's surface: Barringer, 79.
Moose River basin, Ontario: Kindle, 1262.
Monroe gas field, Louisiana: Stroud, 2171.
Moraines.
Morris quadrangle, Illinois: Culver, 480.
New York, Rochester, Pinnacle Hills: Fairchild, 668.
St. Lawrence Valley: Taylor, 2197.
western: Chadwick, 313.
Mosses as rock builders: Emig, 649.
Mounds.
Cahokia mounds, Illinois, origin: Crook, 473.
Mountains. *See* Orogeny.
Mud crack: Kindle, 1256; Ward, 2389.
Natural bridges.
Missouri, Ozarks: Dake, 492.
Utah, Rainbow Bridge: Miser, 1593.
Natural gas.
Alberta: Elworthy, 646.
Wainwright area: Hume, 1018.
Wainwright-Irma area: Hume, 1021.
Arkansas, Smackover oil and gas field: Bell, 119.
Colorado, Fort Collins: Ball, 69, 70.
General: McBride, 1438; Richardson, 1867.
Illinois, eastern: Mylius, 1649.
Iowa: Howell, 1060.
Louisiana, Cotton Valley field, Webster County: Powers, 1769.
Monroe gas field: Stroud, 2171.
Spring Hill-Sarepta field: Ponton, 1764.
Migration of oil and gas: Mather, 1489.
Missouri: Wilson, 2497.
Montana, Sunburst field: Hager, 831.
New Mexico: Ellis, 632.
Ohio, Columbiana County: Stout, 2169.
Oklahoma, Pershing oil and gas field: Rubey, 1920.
Sayre field, Beckham County: Birk, 160.
Tonkawa field: Hosterman, 984.
Ontario: Harkness, 860.
Origin: Lewis, 1372.
Pennsylvania: Pennsylvania G. S., 1734.
Production, reserves, etc.: Arnold, 44.
Texas, Amarillo district: Harrison, 861.
Currie field, Navarro County: Lahee, 1300.
Jim Hogg County: Jones, 1118.
Panhandle: Pratt, 1774.
Potter County: Patton, 1728.
Utah, Farnham: Calvert, 288.
Wyoming: Estabrook, 660.
Laramie and Medicine Bow districts: Bartlett, 81.
Lost Soldier-Ferris district: Fath, 670.
Natural gas in oil migration: Mills, 1588.
Nebraska.
Historical geology.
Geological section: Keyes, 1182.
Granite ridge: Ruby, 1921.
Paleontology.
Agate fossil quarry, Sioux County: Matthew, 1505.
Agate Spring quarries, westerm Nebraska: Peterson, 1743.
Alligator, Snake Creek beds, Agate: Mook, 1611.
Avian fossils, Miocene and Pliocene: Wetmore, 2436.
Diplolophus, Oreodon beds: Troxell, 2278.
Eporeodons, White River beds: Thorpe, 2241.

Nebraska—Continued.
Paleontology—Continued.
Hesperopithecus: Gregory, 805.
Merycoidodon, hyoid apparatus: Thorpe, 2237.
Sioux County: Thorpe, 2238.
Radial exostosis in Daphoenus: Romer, 1905.
Stegomastodon: Osborn, 1692.
Stenomylus, hyoid arch, Sioux County: Peterson, 1744.
Physical geology.
Granite in wells: Gould, 786.
Nevada.
Areas described.
Charleston district: Schrader, 1990.
Jarbidge district: Schrader, 1990.
Manhattan district: Ferguson, 679.
Economic geology.
Borax: Foshag, 706.
Carnotite, southern Nevada: Hewett, 920.
Gold, silver, copper, lead, and zinc: Heikes, 895, 899.
Magnesia alum near Fallon: Hewett, 924.
Mineral resources: Lincoln, 1378.
Nickel ores, Key West mine: Lindgren, 1383.
Oil shale: Winchester, 2515.
Rochester district: Knopf, 1280.
Tonopah district: Budelman, 250.
Historical geology.
Davis Creek beds: Chaney, 335.
Formation names: Keyes, 1220.
General: Keyes, 1192.
Geological traverse, Mohave to San Juan River: Gregory, 802.
Rochester district: Knopf, 1280.
Spring Mountain Range, southern Nevada: Hewett, 921.
Type localities of formations: Keyes, 1194.
Mineralogy.
Barrandite, Manhattan: Shannon, 2028.
Benjaminite, Round Mountain, Nye County: Shannon, 2029.
Paleontology.
Davis Creek beds flora: Chaney, 335.
Sculpin, Lake Lahontan: Jordan, 1126.
Physical geology.
Basin range structure in the Great Basin: Louderback, 1413.
Dolomitization in southern Nevada: Hewett, 922.
near Goodsprings: Hewett, 923.
Faulting, southern Nevada, Keyes, 1214; Longwell, 1406.
Lake Lahontan sediments: Jones, 1115.
Pedestal rock, Pershing County: Reid, 1845.
Western ranges, structural features: Ferguson, 680.
Physiographic geology.
Scarp production in Great Basin: Louderback, 1415.
Underground water.
Thermal springs: Meinzer, 1519.
New Brunswick.
Economic geology.
Bathurst iron district: Parsons, 1725.
Minto coal basin: Dyer, 609.
Peat bogs: Anrep, 38.
Historical geology.
Carboniferous, subdivision: Bell, 131.
Minto coal basin: Dyer, 609.
New Brunswick—Continued.
Paleontology.
Flora, Carboniferous: Round, 1919.
New England, monadnock divide: Brown, 223.
Newfoundland.
Petrology.
Chert formations, Notre Dame Bay: Sampson, 1942.
Physical geology.
Wabana ore deposits, folding and faulting: Gilliatt, 746.
Physiographic geology.
Terraces, Lake Melville district, Labrador: Kindle, 1267.
New Hampshire.
Soils, Coos County: Crosby, 477.
Economic geology.
Ammonoosuc mining district: Ross, 1913.
Granite: Dale, 495.
Historical geology.
Ammonoosuc mining district: Ross, 1913.
Mineralogy.
Sarcopside, Deering: Holden, 963.
Physical geology.
Glacial varves, Connecticut Valley, summer deposition: Sayles, 1973.
Physiographic geology.
Pinkham Notch, physiographic history: Crosby, 475.
New Jersey.
State geologist's report, 1921–23: Kümmel, 1294.
Economic geology.
Mineral industries, 1921–22: Twitchell, 2296.
Zinc, Franklin Furnace district: Salton, 1939.
Historical geology.
Postglacial laminated clays, Litle Ferry: Reeds, 1824.
Mineralogy.
Chlorophoenicite, Franklin Furnace: Foshag, 707.
Franklin minerals: Gordon, 780.
Ganophyllite, Franklin Furnace: Larsen, 1330.
Glaucochroite, willemite, celestite, and calcite, Franklin: Gordon, 775.
Sussexite, Franklin Furnace: Poitevin, 1762.
Tephroite, Franklin: Gordon, 777.
Physical geology.
Postglacial laminated clays, Little Ferry: Reeds, 1824.
Physiographic geology.
Banded postglacial clay near New York City: Reeds, 1822.
Underground water.
General: Kümmel, 1294.
New Mexico.
Areas described.
Raton coal field, Colfax County: Lee, 1341.
Economic geology.
Brass ore in nature: Keyes, 1172.
Carbon ratios, Cretaceous coals: Storm, 2158.
Coal, Raton field, Colfax County: Lee, 1341.
Fierro ores: Schwartz, 1996.
Gold, silver, copper, lead, and zinc: Henderson, 904, 909.
Mogollon district: Kidder, 1252.
Oil and gas in 1923: Ellis, 632.
O'Mara coal field: Keyes, 1176.

New Mexico—Continued.
Economic geology—Continued.
Ore deposits: Keyes, 1226.
Santa Rita district: Rickard, 1873.
Historical geology.
Laramie hiatus, southern Rocky Mountains: Keyes, 1213.
San Juan Basin: Reeside, 1828.
Santa Rita district: Rickard, 1873.
Mineralogy.
Chalmersite, Fierro: Schwartz, 1996.
Meteorite, Four Corners, San Juan County: Merrill, 1541.
Uranium minerals: Keyes, 1172.
Paleontology.
Pentaceratops: Osborn, 1687.
Physical geology.
Carlsbad Cavern: Lee, 1343, 1344.
Colorado Plateau, structural features: Moore, 1621.
Granite in wells: Gould, 786.
Pedestal rocks: Bryan, 243.
Physiographic geology.
Caverns in Guadalupe Mountains: Baker, 63.
San Luis Valley, physiographic history: Atwood, 50.
Underground water.
Ground water, Sandoval County: Renick, 1855.
New York.
State Museum report: Clarke, 364, 368.
Areas described.
Luzerne quadrangle: Miller, 1583.
New York City: Reeds, 1821.
Economic geology.
Adirondack magnetites: Newland, 1664.
Lime belt, eastern New York: Dale, 496.
Magnetite iron deposits, southeastern New York: Colony, 429.
Ore injection at Edwards: Spurr, 2123.
Sedimentary phases of Adirondack magnetites: Nason, 1650.
Zinc, St. Lawrence County; Wade, 2351.
Historical geology.
Chemung stratigraphy, western New York: Chadwick, 311, 312.
Clinton formations: Ulrich, 2312.
Geological history: Miller, 1587.
Highlands, southeastern New York: Colony, 429.
Marine Pleistocene fossils, New York City: Palmer, 1706.
Pinnacle Hills, Rochester: Fairchild, 668.
Mineralogy.
Adirondacks, western: Agar, 7.
Scorodite, Putnam County: Martens, 1485.
Thomsonite, Peekskill: Phillips, 1754.
Paleontology.
Barnacles, Ordovician: Ruedemann, 1925.
Callixylon, Eighteenmile Creek: Hylander, 1036.
Cohoes mastodon: Clarke, 363.
Devonian crinoids: Goldring, 764.
Devonian seed fern forests: Goldring, 765.
Devonian seed ferns: Berry, 146.
Dictyosponge, Chautauqua County: Clarke, 363.
New York—Continued.
Paleontology—Continued.
Hemiaspidan crustacean, Bertie waterlime: Clarke, 365.
Marine Pleistocene fossils, New York City: Palmer, 1706.
Mastodon, Cohoes, restoration: Clarke, 371.
Mastodons, Hudson Highlands: Osborn, 1686.
Temple Hill mastodon: Clarke, 363.
Vernon shale fauna: Eaton, 619.
Petrology.
Adirondacks, western: Agar, 7.
Igneous rocks, Ithaca: Martens, 1484, 1486.
Origin of foliation and naming of syntectic rocks: Alling, 29.
Physical geology.
Adirondacks, western: Agar, 7.
Box vein, Lyonsdale, Lewis County: Dale, 494.
Highlands, southeastern New York: Colony, 429.
Physiographic geology.
Banded postglacial clay near New York City: Reeds, 1822.
Finger Lakes: Monnett, 1605.
General: Miller, 1587.
Genesee glacial lakes: Chadwick, 313.
Glacial ice sheet, eastern New York, disappearance: Cook, 437.
Glacial lakes: Chadwick, 310.
Moraines, St. Lawrence Valley: Taylor, 2197.
Skaneateles Lake: Monnett, 1605.
Nickel.
Alaska: Buddington, 249.
Chicagof Island: Kerr, 1155.
British Columbia, Yale mining division: Cairnes, 284.
General: Hess, 917, 919.
In igneous rocks: Vogt, 2349.
Nevada, Key West mine: Lindgren, 1383.
Ontario, Thunder Bay district, Shebandowan Lake: Tanton, 2190.
Oregon, Riddle quadrangle: Diller, 564.
Pennsylvania, Lancaster Gap mine: Phemister, 1753.
Nitrates: Mansfield, 1476.
Nomenclature.
Clastic sediments: MacKenzie, 1459.
Geologic column, terms, origin and significance: Lang, 1326.
Geologic periods: Keyes, 1197.
Geologic terminology: Blackwelder, 164.
Geological classification: Keyes, 1179.
Limestones: Kindle, 1259.
Madison limestone: Keyes, 1194.
Minnesota, Minnesota River valley formations: Sardeson, 1959.
Mississippian: Keyes, 1187.
Missouri, Ordovician: Keyes, 1171.
Mollusca: Dall, 500.
Pennsylvanian, taxonomic rank: Keyes, 1215.
Pennsylvanian in Iowa: Keyes, 1248.
Pre-Cambrian: Keyes, 1174.
Proposed stratigraphic section and code: Ashley, 49.
Rocks: Bowen, 175.
St. Louis limestone: Keyes, 1187.
Seismological terms: Davison, 534.

Nomenclature—Continued.
Shapes of valleys, representation: Lane, 1318.
Silurian: Keyes, 1228.
Syntectic rocks: Alling, 29.
Time subdivisions: Keyes, 1229.
North Atlantic Ocean, Tertiary history: Woodring, 2536.
North Carolina.
State geologist, report 1921–22: Pratt, 1771.
Economic geology.
Copper deposits: Watson, 2412.
Magnetic iron ores, western North Carolina: Bayley, 106.
Mineral resources: Drane, 584.
Rutile in titaniferous magnetites: Bayley, 108.
Historical geology.
Cretaceous: Stephenson, 2143.
Permian at base of Newark: Cobb, 374.
Mineralogy.
Meteorite, McDowell County: Merrill, 1536.
Paleontology.
Cretaceous: Stephenson, 2143.
Decapod Crustacea, Upper Cretaceous: Rathbun, 1797.
Horse remains: Cobb, 375.
Physical geology.
Ocean inlets, storm effect: Hite, 946.
Shore changes, Cape Hatteras: Rude, 1923.
Underground water.
Thermal springs: Watson, 2413.
North Dakota.
Economic geology.
Gravel: Leonard, 1364.
Lignite: Dove, 580.
Historical geology.
Cretaceous - Eocene transition beds: Thom, 2212.
Lance-Fox Hills contact: Dobbin, 566.
Paleontology.
Eporeodons, White River beds: Thorpe, 2241.
Fruits, Fort Union beds: Stainbrook, 2127.
Physiographic geology.
General: Willard, 2470.
Missouri River channel, age: Todd, 2259.
Underground water.
Artesian water conditions: Simpson, 2066.
Northern Great Plains, physiographic development: Alden, 16.
Notostraca.
Ozarkian: Walcott, 2356.
Nova Scotia.
Areas described.
Great Bras d'Or coal district, Victoria County, Cape Breton: Bell, 128.
Sydney coal field, southern part: Hayes, 883.
Economic geology.
Coal, Sydney field: Hayes, 883.
Gold deposits: Brunton, 235, 238.
Manganese: Jennison, 1062.
Lunenburg County: Fearing, 671; Reid, 1844.
Mineral resources: Anon. 2572.
Salt deposits, Malagash: Chambers, 331.
Historical geology.
Carboniferous, subdivision: Bell, 131.
Coal-bearing formations: Bell, 130.
General: Brunton, 234.
Minto, coal horizon, correlation: Bell, 129.
Silurian, Arisaig: McLearn, 1462.
Nova Scotia—Continued.
Mineralogy.
Magnesite crystals, Orangedale: Dobbel, 565.
Mordenite and louisite: Walker, 2365.
Pegmatite minerals, New Ross: Walker, 2377.
Salt deposit minerals, Malagash: Rickaby, 1871.
Paleontology.
Silurian, Arisaig: McLearn, 1462.
Petrology.
Amygdaloid, tubular, in traps: Walker, 2365.
General: Brunton, 234.
Physical geology.
Drainage change, Black and Gaspereau rivers, Kings County: Churchill, 341.
Elevation of sea coast near Wolfville: Churchill, 340.
Physiographic geology.
General: Goldthwait, 766.
Glaciation: Walker, 2365.
Oatman district, Arizona, geology: Ransome, 1793.
Ocean currents, climatic effects: Chamberlin, 321.
Oceanic islands, classification: Davis, 532.
Oceanographic research: White, 2454.
Oceanography: Vaughan, 2342.
Deep off coast of Mexico and Central America: Heck, 894.
Ocher.
Georgia, Cartersville: Weigel, 2424.
Ohio.
Geography: Peattie, 1732.
Areas described.
Columbiana County: Stout, 2169.
Summerfield and Woodsfield quadrangles: Condit, 432.
Economic geology.
Coal fields: Campbell, 292.
Coal formation clays: Stout, 2167.
Coals, analyses: Fieldner, 688.
Mineral resources: Peattie, 1732.
Molding sand: Bownocker, 187.
Summerfield and Woodsfield quadrangles: Condit, 432.
Historical geology.
Chagrin formation: Chadwick, 314.
Cincinnati anticline, dimensions: Hubbard 1005.
Silurian: Foerste, 696.
Paleontology.
Gastropod, Guelph formation: Foerste, 696.
Medinan fauna: Foerste, 696.
Silurian: Foerste, 696.
Type fossils in museum of Ohio State University: Morningstar, 1635.
Physical geology.
Isothrustic structure, Adams County: Jillson, 1072.
Physiographic geology.
Lake Abram, Berea: Speckman, 2108.
Oil. *See* Petroleum.
Oil shales.
Bibliography: Winchester, 2515.
California, Santa Barbara: Gore, 783, 784.
Canada: Ells, 635.
Distribution in United States: Winchester, 2514.
General: Fettke, 684; Reeves, 1837.
Green River formation, Colorado: Sears, 2012.

Oil shales—Continued.
Indiana: Reeves, 1837.
Manitoba, Cretaceous shale: Ells, 634.
Organic content: Goodwin, 767.
Origin: Jones, 1115.
Pennsylvania: Fettke, 685.
Rocky Mountain region: Winchester, 2515.
Saskatchewan, Cretaceous shale: Ells, 634.
Oklahoma.
Drillite: Shead, 2042.
Areas described.
Southern Ouachita Mountains: Honess, 975.
Stonewall quadrangle: Morgan, 1632.
Economic geology.
Building materials: Oakes, 1675.
Burbank field, Osage County: Sands, 1949.
Copper, Garfield County: Reiter, 1847.
Graham field, Carter County: Tomlinson, 2261.
Manganese, Custer County: Reiter, 1848.
Mineral resources: Gould, 789.
Oil sands, texture: Melcher, 1521.
Pershing oil and gas field, Osage County: Rubey, 1920.
Phosphate rock, Hastings: Shead, 2040.
Robberson oil and gas field, Garvin County: Denison, 558; English, 655; Oklahoma G. S. 1679.
Sayre oil and gas field, Beckham County: Birk, 160.
Siluro-Devonian oil horizon: Morgan, 1631.
Stroud oil field: McFarland, 1452; Powers, 1770,
Tonkawa oil and gas field: Clark, 349; Hosterman, 984.
Historical geology.
Arbuckle Mountains, geologic history: Weidman, 2422.
mapping: Decker, 547.
Black Mesa basalt, Cimarron County: Shead, 2043.
Boggy unconformity and overlap, southern Oklahoma: Morgan, 1633.
Buried mountain ranges: Gould, 787.
Comanchean, Love County: Bullard, 254.
Conglomerates near eastern limits of red beds: Evans, 664.
Eastern Oklahoma, underground stratigraphy: Trager, 2264.
Foraker limestone, Lincoln County: Lillibridge, 1377.
Franks and Seminole formations, stratigraphic position: Morgan, 1634.
Geologic map in preparation: Miser, 1596; Powers, 1768.
Glaciation, Pennsylvanian-Permian, Arbuckle region: Weidman, 2421.
Glenn formation: Girty, 757.
Leflore and McCurtain counties: Honess, 976.
Pennsylvanian paleogeography, Henryetta district: Reed, 1817.
Pennsylvanian-Permian glaciation, Arbuckle and Witchita mountains: Dunbar, 599; Weidman, 2423.
Permian red beds, southwestern Oklahoma: Gould, 788.
Pontotoc series, Arbuckle area: Morgan, 1630.
Simpson formation: Edson, 624.
Southwestern Oklahoma: Sawyer, 1970.
Oklahoma—Continued.
Historical geology—Continued.
Stanley-Jackfork series: Honess, 976.
Verdent sandstone: Reed, 1818.
Volcanic ash, North Canadian Valley: Gardner, 725.
Wildhorse area: Brockway, 218.
Mineralogy.
Barite: Shead, 2041.
Meteorites: Shannon, 2023.
Smithville: Shead, 2039.
Paleontology.
Comanchean, Love County: Bullard, 254.
Glenn formation: Girty, 757.
Physical geology.
Anticlinal folds, Custer County: Reiter, 1849.
Crystalline rocks of the plains: Gould, 786.
Pershing oil and gas field, Osage County: Rubey, 1920.
Slumping previous to consolidation in Pennsylvanian: Ross, 1912.
South Canadian River near Norman: Evans, 665.
Temperature deepest well: Miser, 1595.
Wichita Mountain area, erosion and transportation: Evans, 663.
Physiographic geology.
Arbuckle Mountains, physiographic history: Weidman, 2422.
North and South Canadian River basins: Bollinger, 170.
Red River: Tex., Atty. Gen., 2202.
Underground water.
Enid area: Renick, 1853.
Ontario.
English River valley: Bruce, 227.
Kenogamissi Lake area: Todd, 2257.
Museum of Mineralogy, Ontario: Parsons, 1724.
Preglacial oxidation in northern Ontario: Tyrrell, 2298.
Red Lake basin, District of Patricia: Bruce, 228.
Thunder Bay district, base and meridian lines: Swanson, 2174.
base line: Green, 797.
Watabeag area, Wright, 2541.
Areas described.
Arnprior-Quyon area: Wilson, 2498.
Brockville-Mallorytown area: Wright, 2545.
Lake St. Joseph, area south of west end: Bruce, 226.
eastern part: Bruce, 225.
Lake St. Joseph area: Bruce, 224.
Leeds County: Baker, 65.
Moose River basin, northern part: Kindle, 1262.
Ontario-Manitoba boundary, Bloodvein River to Twelfth base line: Rickaby, 1870.
Ontario-Manitoba boundary, Winnipeg River to Bloodvein River: Burwash, 266.
Pearl Lake area, Porcupine district: Robinson, 1888.
Watabeag area, Timiskaming and Cochrane districts: Wright, 2541.
Economic geology.
Argonaut gold mine, Gauthier township, Timiskaming district, Cooke, 443.
Carbonaceous matter at Porcupine: Bell, 126.

Ontario—Continued.
Economic geology—Continued.
Clay and shale deposits: Keele, 1137.
Clays, Missinabi River: Keele, 1136.
Cobalt and South Lorrain silver areas: Knight, 1277.
Cobalt silver district: Bateman, 102; Cole, 398; Miller, 1579.
Cobalt ore horizons: Shaw, 2037.
Copper deposits, Perry Sound: Schwartz, 2002.
Deep-seated oxidation and secondary enrichment at Keeley silver mine near Cobalt: Bell, 122.
Feldspar, Lanark County: Campbell, 289.
Gold: Hopkins, 978.
Larder Lake, Timiskaming district: Cooke, 444.
Makwa, Sudbury district: Tanton, 2191.
Porcupine district: Spurr, 2118.
Gold and silver: McGill, 1455.
Goudreau gold area, Algoma: MacLeod, 1465.
Gowganda silver district: Brunton, 233.
Gravel deposits, St. Clair River: Bartlett, 83.
Iron: Ontario Iron Ore Committee, 1684.
Iron formation at Gravel Lake, Thunder Bay district: Tanton, 2193.
Lake St. Joseph: Bruce, 224.
Iron oxide pigments: Fréchette, 715.
Kirkland Lake gold area: Hopkins, 979.
Kirkland Lake district: Spurr, 2119.
Kirkland Lake ore bodies: Spearman, 2106.
Lead, Galetta: Wilson, 2500.
Leeds County: Baker, 65.
Mineral resources: Corless, 433; Ontario Dept. Mines, 1683.
Mineralization, South Lorrain, Cobalt district: Bell, 123.
Mining areas, geographical relations: Miller, 1577.
Natural gas in 1922: Harkness, 859.
Norite micropegmatite, composition, Sudbury: Knight, 1276.
Oil and gas: Harkness, 860.
Onaman gold area: Girvin, 758.
Ontario, Lake St. Joseph: Bruce, 224.
Ore deposition at the Creighton mine, Sudbury: Spurr, 2124.
Palladium-bearing nickel deposit, Shebandowan Lake, Thunder Bay district: Tanton, 2190.
Pearl Lake area, Porcupine district: Robinson, 1888.
Petroleum in 1922: Harkness, 859.
Placers in Cobalt conglomerate: Johnston, 1110.
Porcupine gold area: Burrows, 264, 265; Fielding, 672; Hore, 980; Huntoon, 1035.
extension: Goodwin, 770.
Romney oil well: Davis, 516.
Silver, South Lorrain: Bastin, 95; Bell, 121.
Silver Islet ores: Thompson, 2229.
paragenesis: Chadbourn, 309.
South Lorrain silver district: Bell, 124.
Sudbury nickel deposits: Coleman, 413.
Sudbury ore deposits: Wandke, 2386; Young, 2556.
Wabigoon and Trap Lake soapstone deposits: Wright, 2548.
West Shining Tree gold prospects: Weed, 2419.

Ontario—Continued.
Historical geology.
Alluvial fan deposits in Upper Huronian: Bain, 61.
Cobalt and South Lorrain silver areas: Knight, 1277.
Geologic map showing mineral resources: Canada, Dept. Mines, 297.
Huronian and Grenville rocks, correlation: Quirke, 1788, 1789.
Huronian complex near Killarney: Quirke, 1787.
Matachewan series, northeastern Ontario: Miller, 1576.
Middle Eozoic sediments: Spearman, 2105.
Northeastern Ontario: Miller, 1578.
Ordovician, Toronto: Parks, 1717.
Pleistocene, Toronto region: Coleman, 410.
Porcupine area: Bell, 126.
Pre-Cambrian: Miller, 1580.
northern Ontario: Cooke, 446.
Romney, boring: Davis, 516.
Toronto, upper Ordovician: Parks, 1716.
Upper Ordovician: Foerste, 697.
Mineralogy.
Allanite, Sequin Falls: Walker, 2369.
Arsenates of cobalt, nickel, and iron, Cobalt: Walker, 2374.
Axinite, Hastings County: Walker, 2369.
Chalmersite, Parry Sound: Schwartz, 1996.
Chapmanite, South Lorrain, Cobalt district: Walker, 2372.
Chert, Keeley mine, Cobalt: Walker, 2375.
Columbite: Walker, 2369.
Corundum, blue, Bancroft area: Ellsworth, 642
Ellsworthite and associated minerals, Hybla: Walker, 2366.
Epidote, Porcupine: Bruce, 230.
Ferric and ferrous vein materials, Keeley mine, Cobalt: Walker, 2375.
Hastingsite, Dungannon township, Hastings County: Walker, 2379.
Hatchettolite and associated minerals, Hybla: Walker, 2367.
Hisingerite, Parry Sound: Schwartz, 2003.
Huronite, Gowganda: Walker, 2371.
Mineralization, South Lorrain, Cobalt district: Bell, 123.
Museum of Mineralogy: Parsons, 1724.
Radioactive minerals: Ellsworth, 641.
Skutterudite and loellingite, Cobalt: Walker, 2373.
Uraninite, Cardiff township: Walker, 2376.
Uranium minerals, Haliburton: Miller, 1581.
Xanthoconite, Cobalt: Parsons, 1722.
Paleontology.
Mastodon, recent extinction: Russell, 1929.
Molluscoidea, Toronto area: Parks, 1710.
Muskox skull, Iroquois Beach, Toronto: Bensley, 132.
Toronto area, Gastropoda, Cephalopoda, and Vermes: Parks, 1711.
Upper Ordovician faunas: Foerste, 697.
Whirlpool sandstone: Foerste, 696.
Petrology.
Norite micropegmatite, composition, Sudbury: Knight, 1276.
Red Lake basin, District of Patricia: Bruce, 228.

Ontario—Continued.
Physical geology.
Lake Huron winter beach forms: Littlefield, 1390.
Physiographic geology.
Pleistocene, Toronto region: Coleman, 410.
Pre-Cobalt glaciation: Coleman, 409.
Opasatika area, Timiskaming County, Quebec: Cooke, 440.
Orbitoides, evolution in America: Douvillé, 579.
Ordovician. *See also* Paleontology, Ordovician.
Arkansas: Miser, 1591.
Hot Springs district: Purdue, 1784.
British Columbia, Beaverfoot-Brisco-Stanford Range: Walcott, 2357.
Mount Robson region, Cambro-Ordovician section: Burling, 260.
Collingwood formation: Ruedemann, 1927.
Colorado: Keyes, 1227.
Cordilleran formations, nomenclature: Walcott, 2355
Greenland, northwestern: Hovey, 994.
Peary Land: Koch, 1289.
Illinois: Thwaites, 2245.
Kings quadrangle: Bretz, 205.
Mississippi Valley: Krey, 1293.
Morris quadrangle: Culver, 486.
northern: Thurston, 2244.
Indiana: Logan, 1401.
Iowa: Howell, 1000.
Maquoketa shales: Ladd, 1295.
Manitoba, Flinflon area: Alcock, 9.
Michigan, Cataract formation: Ehlers, 629.
Minnesota: Sardeson, 1960.
Minnesota River valley: Sardeson, 1959.
Missouri: Branson, 200; Keyes, 1171; Wilson, 2497.
Mississippi Valley: Krey, 1293.
Montana, Beartooth Mountains, Bevan, 155.
Nevada: Keyes, 1192.
Manhattan district: Ferguson, 679.
Newfoundland, Notre Dame Bay: Sampson, 1942.
New Hampshire, Ammonoosuc district: Ross, 1913.
Oklahoma, eastern: Trager, 2264.
Simpson formation: Edson, 624.
southern Ouachita Mountains: Honess, 975.
Stonewall quadrangle: Morgan, 1632.
Ontario: Foerste, 697.
Arnprior-Quyon area: Wilson, 2498.
Brocktown-Mallorytown area: Wright, 2545.
Leeds County: Baker, 65.
Toronto: Parks, 1716, 1717.
Ordovician-Silurian boundary: Jones, 1116.
Pennsylvania, southeastern: Stose, 2163.
Pennsylvania and Maryland, Piedmont province: Stose, 2160.
Quebec: Foerste, 697.
Arnprior-Quyon area: Wilson, 2498.
Levis: Clark, 354.
Philipsburg region: Bradley, 188.
Richmond, basal, of Cincinnati province: Shideler, 2053.
Richmond beds: Savage, 1969.
Richmond "Maquoketa" formations: Shideler, 2052.
Ordovician—Continued.
Tennessee: Nelson, 1659.
central: Bassler, 87.
east: Gordon, 772; Secrist, 2014.
Utah: Keyes, 1219.
Vermont: Foyles, 713.
Bethel Township: Richardson, 1864.
Fort Cassin: Foyles, 714.
Grand Isle County: Perkins, 1739.
northwestern: Keith, 1139; Raymond, 1804.
Orange County, Randolph Township: Richardson, 1863.
Shoreham and Bridport: Foyles, 714.
western: Gordon, 773, 774.
Virginia, Wise and northern Scott counties: Eby, 621.
West Virginia and Grant counties: Reger, 1839.
Wisconsin: Thwaites, 2245; Ulrich, 2315.
Wyoming, Wind River Mountains: Condit, 433.
Ore deposits, origin. *For ore deposits in general see* Economic geology (general).
Alaska, Chicagof Island, magmatic sulphide ore: Kerr, 1155.
Angular inclusions and replacement deposits: Bateman, 101.
Asbestos, Sierra Ancha, Arizona: Bateman, 98.
Association of ores and dikes: Crocker, 472.
Bauxite: Burchard, 257.
British Columbia, Kitsault River district: Hanson, 854.
Salmon River district: Schofield, 1988.
Canada, metallogenesis and pre-Cambrian: Baker, 66.
Chalcocite, primary, origin: Bateman, 97.
Colorado, Bonanza, Eagle mine, secondary enrichment: Wuensch, 2549.
central: Crawford, 469.
Creede district: Emmons, 650.
Connecticut, Bristol copper ores: Bateman, 97.
Contact effects of gabbro and granite on ore deposition: Schwartz, 2004.
Copper: Calkins, 286.
Alaska, Beatson mine: Bateman, 100.
Arctic Canada, central: O'Neill, 1682.
Arizona, Ray district: Ransome, 1792.
Lake Superior region: Lane, 1317; Wells, 2428.
Mexico, Cananea: Mitchell, 1601.
Montana, Park County: Lovering, 1425.
native: Butler, 268.
oxidation and enrichment at Ducktown: Gilbert, 744.
secondary enrichment in genesis of Butte chalcocite: Locke, 1396.
South Atlantic States: Watson, 2412.
supergene enrichment, Cananea, Mexico: White, 2447.
Utah, Bingham district: Hunt, 1025.
Cosmical derivation of metals: Keyes, 1176.
Deep-seated ore chemistry: Hixon, 948.
Deep-seated oxidation and secondary enrichment at Kelley silver mine near Cobalt: Bell, 122.
Deposition of copper carbonate from mine water: Wilson, 2503.
Depths of metallic contact mineralization: Keyes, 1184.
Dialytic rôle of selvages: Keyes, 1172.

Ore deposits, origin—Continued.
Emery, Virginia: Watson, 2410.
Enrichment. Cobalt district, Ontario: Bell, 123.
Exploration for ore deposits: Locke, 1395.
Fibrous minerals, veins of: Taber, 2185.
Filling of veins: Perkins, 1741.
Filling of fissure veins: Spurr, 2117; Young, 2555.
Fluorspar, western Kentucky: Currier, 485.
General: Keyes, 1220.
Gold, British Columbia, Barkerville area: Uglow, 2306.
California, Grass Valley: Howe, 995.
Idaho, north central: Thomson, 2232.
Manitoba, Elbow Lake area: Armstrong, 42.
Ontario, Porcupine area: Fielding, 672; Huntoon, 1035; Spurr, 2118.
Pearl Lake area: Robinson, 1888.
Timiskaming district: Cooke, 443.
South Dakota, Homestake mine: Paige, 1697.
Lead: Paige, 1698.
Wilshire district, California: Turner, 2290.
Idaho, Shoshone County: Umpleby, 2316.
Iron: Campbell, 290.
Clinton hematite ores: Stose, 2166.
Georgia: Haseltine, 866.
magnetites, eastern Porto Rico: Fettke, 687.
southeastern New York: Colony, 429.
Mesabi Range, Minnesota: Gruner, 822; Schwartz, 1998.
Mexico, Cerro de Mercado: Salazar Salinas, 1937, 1938.
Minnesota magnetites: Grout, 816.
Ontario, Lake St. Joseph: Bruce, 224.
titaniferous magnetites, North Carolina and Tennessee: Bayley, 108.
Iron ore: Leith, 1362.
Iron protores, leaching of: Lovering, 1424.
Leached ore capping: Morse, 1636.
Lead, Ontario: Wilson, 2498.
Lead and zinc ores, upper Mississippi Valley: Spurr, 2122.
Limestone contact zones, ferric oxide content: Butler, 269.
Localization of ore values in gouge materials: Keyes, 1176.
Manganese, Minnesota, Cuyuna: Thiel, 2205.
Nova Scotia: Fearing, 671.
Manitoba, Flinflon area: Alcock, 9.
Metal content, lode filling, and country rock, relations: Weston-Dunn, 2434.
Metallic concentrations by magmation, origin: Spurr, 2120.
Metallic content of ores, primary origin: Keyes, 1198.
of rocks: Keyes, 1178.
Metallogenetic provinces: Emmons, 652.
Metallogenetic zones: Petrascheck, 1750; Rastall, 1796.
Meteoritic metals, incorporation in terrestrial ores: Keyes, 1184.
Mexico, Sierra Mojada district, Coahuila: Shaw, 2038.
Minor crustal movements and ore deposits: Porter, 1765.
Ore deposits, origin—Continued.
Molybdenite, Quebec: Wilson, 2498.
Montana, Neihart, supergene processes: Bastin, 92.
Nevada, Rochester district: Knopf, 1280.
New Mexico, Santa Rita district: Rickard, 1873.
New York, Adirondack magnetites: Newland, 1664.
Nickel, Lancaster Gap mine, Pennsylvania: Phemister, 1753.
Ontario, Shebandowan Lake: Tanton, 2190.
Sudbury: Coleman, 413.
Ontario, Sudbury ore deposits: Young, 2556.
Ore deposition at the Creighton mine, Sudbury, Ontario: Spurr, 2124.
Ore magmas: Spurr, 2116.
Origin of metallic concentrations by magmation: Dunn, 607.
ore deposits: Hazlitt, 885.
Phosphate, Tennessee: Smith, 2090.
Polished surfaces of ores: Thiel, 2207.
Pre-Cambrian veins, Kirkland Lake district, Ontario: Spurr, 2119.
Precipitation of manganese from meteoric solutions: Thiel, 2204.
Primary downward changes in ore deposits: Emmons, 652.
Replacement and folding: Geijer, 733.
Sedimentary phases of Adirondack magnetites: Nason, 1650.
Silver, Chloride and Kingman, Arizona: Bastin, 93.
Cobalt, Ontario: Knight, 1277.
Colorado, Aspen: Bastin, 94.
South Lorrain, Ontario: Bell, 121.
Silver Islet ores, paragenesis: Chadbourn, 309.
Silver-lead, Mayo district, Yukon: Cockfield, 394.
Sudbury ore deposits, Ontario: Wandke, 2386.
Utah, Bingham district: Peterson, 1748.
Tintic district: Crane, 467.
Veins from intrusive magmas with contrasted contents: Kemp, 1149.
Veins of fibrous minerals: Taber, 2185.
Zinc, east Tennessee: Secrist, 2014.
Edwards, New York: Spurr, 2123.
Zonal deposition of ores: Emmons, 652; application of theory: Anderson, 35.
Zonal precipitation of ores: Watanabé, 2409.
Zonal theory, applications: Engineering and Mining Journal-Press, 653.
Ore magmas: Spurr, 2116.
Ore shoots. *See* Economic geology (general); Ore deposits, origin.
Oregon.
John Day region, bibliography: Jillson, 1063.
Areas described.
Riddle quadrangle: Diller, 564.
Economic geology.
Gold, silver, copper, and lead: Hill, 932.
Petroleum possibilities: Smith, 2093.
Historical geology.
Central Oregon: Chaney, 333.
Mesozoic formations: Goranson, 771.

Oregon—Continued.
Paleontology.
Bridge Creek flora, quantitative study: Chaney, 336.
Central Oregon: Chaney, 333.
Cretaceous Mollusca: Reagan, 1806.
Oreodontoides oregonensis, John Day formation: Thorpe, 2242.
Oyster, aberrant, Eocene: Packard, 1695.
Perchoerus skulls, John Day formation: Pearson, 1731.
Promerycochoerus: Thorpe, 2240.
Prosthennops (peccary): Thorpe, 2243.
Physical geology.
Lava river tunnel: Williams, 2472.
Physiographic geology.
Crater Lake, origin: Diller, 563.
General: Smith, 2094.
Underground water.
Port Rock valley and Christmas Lake valley: Williams, 2471.
Orogeny.
Appalachians, cross-section in southern New England: Woodworth, 2539.
structure: Keith, 1140.
Basin range structure in the Great Basin Louderback, 1413.
Crustal shortening of Colorado Rockies: Chamberlin, 316.
Franklin Mountains, Mackenzie: Williams, 2475.
General: Andrews, 36; Chamberlin, 327; Hobbs, 954; Stille, 2148.
Horizontal compression in Colorado Rockies: Shepard, 2047.
Kober's theory of orogeny: Longwell, 1405.
Montana, central: Thom, 2210.
Mountain building without loss of isostatic equilibrium: Shepard, 2050.
Nevada, western: Ferguson, 680.
Rocky Mountains, southern: Lee, 1340.
structure: Mansfield, 1475.
Ostracoda.
Paleozoic: Ulrich, 2312.
Overthrusts, Rocky Mountains: Mansfield, 1475.
Ozarkian system: Walcott, 2355.
Pahsimeroi Valley, Idaho, ground water: Meinzer, 1517.
Paleobotany.
Age and area: Berry, 151.
Angiosperm, Paleozoic, in coal: Hoskins, 982.
Animas formation, Colorado: Knowlton, 1287.
Annularia with Paleostachya fruit, Rhode Island: Round, 1918.
Bridge Creek flora, Oregon: Chaney, 336.
Callixylon, New York: Hylander, 1036.
Calycophysoides, cucurbitaceous fruit, Tertiary, Texas: Berry, 144.
Coal balls: Clark, 347.
Colorado, Tertiary lake beds flora: Knowlton, 1286.
Coniferales, anatomy and physiology: Torrey, 2263.
Cretaceous, eastern Alabama: Berry, 141.
Cycads: Dahlgren, 490; Hollick, 967; Wieland, 2468.
Paleobotany—Continued.
Cycadeoids: Wieland, 2466.
monocarpy: Wieland, 2464.
Devonian seed ferns, New York: Berry, 146.
District of Columbia, buried forest: Cuno, 483.
Eocene floras of southeastern North America: Berry, 142.
Fossil plants as evidence for resistance to environment: Wieland, 2465.
General: Wieland, 2467.
Green River flora: Knowlton, 1285.
Illinois, Braidwood flora: Noé, 1670.
Chester formation, stigmarian root: Foerste, 696.
John Day Basin: Chaney, 334.
Kentucky, western, coal field flora: Noé, 1671
Laramie flora: Cockerell, 385.
Lecythidoanthus, fossil flower, Trinidad: Berry, 145.
Marpolia, Cambrian Alga, British Columbia: Walton, 2385.
Mexico, southern, Miocene: Berry, 139.
Mississippi Gulf, Eocene: Berry, 149.
Modern plant fossil: Round, 1917.
Mother plants of petroleum in Devonian black shale: White, 2448.
Myeloxylon, coal measures, Illinois: Seward, 2021.
Nevada, Davis Creek beds: Chaney, 335.
New Brunswick, Carboniferous flora: Round, 1919.
New York, Devonian seed fern forests: Goldring, 765.
North Dakota, Fort Union beds, apparent fruits: Stainbrook, 2127.
Nova Scotia, Minto coal horizon: Bell, 129.
Oaks, geologic history: Trelease, 2270.
Ophioglossum, Tertiary, Wyoming: Cockerell, 390.
Ophioglossum alleni, status: Hollick, 966.
Ophioglossum hastatiforme=Danaea coloradensis: Berry, 148.
Pacific region: Chaney, 337.
Paleozoic angiosperm: Noé, 1673.
Paraphyllanthoxylon arizonense, Cretaceous, Arizona: Bailey, 56.
Pathological conditions: Berry, 138.
Pine cone, Oakland, California: Metcalf, 1548.
from drift: Thomas, 2226.
Platanus (sycamore), geologic history: Gould, 785.
Pleistocene flora, District of Columbia: Berry, 143.
Psilophyton, cuticular structure: Edwards, 626.
Recent work: Fenneman, 674.
Rhode Island, Carboniferous flora: Round, 1919.
Sparganium, Eocene, Wyoming: Berry, 152.
Tempskya knowltoni, Montana; Seward, 2022.
Tertiary of the West: Chaney, 332.
Tertiary terrestrial plants: Berry, 153.
Texas, central, Eocene florule: Berry, 147.
Tree, Red Deer Valley, Alberta: Kindle, 1253.
Tree ancestors: Berry, 137.
West Indies: Hollick, 968.
Wyoming, Triassic: Berry, 150.

Paleoclimatology.
Algae as limestone makers and climatic indicators: Glock, 760.
Ameliorations of present Arctic climates: Chamberlin, 321.
California, Coalinga Tertiary formations: Reed, 1820.
Climatic changes: Antevs, 39.
Colorado, Carboniferous: Tieje, 2247.
General: Allison, 32; Chamberlin, 326; Huntington, 1028.
Kansas, Permian: Dunbar, 596.
Mild geological climates: Huntington, 1030.
Ocean, effect on climate: Chamberlin, 320.
Polar temperatures and coal measures: Stefansson, 2141.
Pre-Cambrian climate: Coleman, 412.
Seasonal records of geologic time: Reeds, 1823.
White River beds, South Dakota: Wanless, 2387.
Paleo-ecology, methods and principles: Clements, 373.
Paleogeographic maps.
Devonian: Clark, 352.
North America: Schuchert, 1993.
Silurian: Ulrich, 2311.
Paleogeography. *See also* Geologic history; Paleoclimatogy; Paleogeographic maps.
Colorado, Carboniferous: Tieje, 2247.
Devonian: Clark, 352.
General: Schuchert, 1993.
Missouri, Paleozoic: Branson, 200.
Montana, Upper Cretaceous: Robinson, 1886.
Oklahoma, Henryetta district, Pennsylvanian: Reed, 1817.
Permian, Great Plains: Dunbar, 596.
Pre-Cambrian: Miller, 1585.
Quantitative criteria: Moore, 1620.
Silurian: Ulrich, 2311.
Paleontology. *For areal see names of States. See also the classes of animals and* Invertebrates (general); Evolution; Paleobotany; Problematic organisms; Restorations.
Bone, fossil, mineralogy and petrography: Rogers, 1896.
Cephalopod adaptation: Dunbar, 597.
Comparison of most ancient and recent marine faunas: Clark, 344.
Dinosaurian climatic response: Lull, 1433.
Evolutional paleontology in relation to the lower Paleozoic rocks: Elles, 630.
Fossil plants as evidence for resistance to environment: Wieland, 2465.
Great Basin and Pacific regions: Merriam, 1522.
John Day region: Merriam, 1524.
Micro-fossils in correlation: Schuchert, 1995.
Ozarkian system: Walcott, 2355.
Pacific region: Merriam, 1526.
Paleontological researches in Pacific region: Merriam, 1526.
Rectifications of nomenclature of Mollusca: Hanna, 847.
St. John collection: Merrill, 1535.
Type fossils in museum of Ohio State University: Morningstar, 1635.
Cambrian.
Brachiopoda: Walcott, 2356.
British Columbia, Marpolia: Walton, 2385.
Paleontology—Continued.
Cambrian—Continued.
Massachusetts, Boston area: Clark, 353.
Quebec, Levis: Clark, 351.
Vermont, northwestern, trilobites: Raymond, 1804.
Carboniferous.
Annularia with Paleostachya fruit, Rhode Island: Round, 1918.
Colorado, Pennsylvanian sandstones, footprints: Henderson, 913.
Illinois, Galesburg: Jelliff, 1053.
Pennsylvanian marine faunas: Savage, 1968.
Indiana, Porter County, scorpion: Moore, 1618.
Iowa, Des Moines: Thomas, 2223.
Kentucky, Pottsville faunas: Jillson, 1077.
western, coal field flora: Noé, 1671.
Mackenzie, Kinderhook: Hume, 1014.
Oklahoma, Glenn formation: Girty, 757.
Stonewall quadrangle: Morgan, 1632.
Paleozoic angiosperm, Illinois: Noé, 1763.
West Virgina, Mineral and Grant counties: Reger, 1839.
Mississippian: Girty, 756.
Cretaceous.
Alberta, Laosaurus: Gilmore, 752.
Colorado group, Montana: Reeside, 1826.
Dakota, so-called, Colorado and Wyoming: Reeside, 1825.
Haiti: Woodring, 2533.
Jamaica: Trechmann, 2269.
crab: Withers, 2519.
decapod crustaceans: Withers, 2520.
Echinoidea: Hawkins, 870, 871.
Kansas: Twenhofel, 2295.
Mexico, Zacatecas, Durango, and Guerrero: Böse, 167.
North Carolina: Stephenson, 2143.
decapod crustaceans: Rathbun, 1797.
Oklahoma, Love County, Comanchean: Bullard, 254.
Pacific region, Mollusca: Reagan, 1806.
Porto Rico, Ponce district: Mitchell, 1598.
South Dakota, ganoid fish: Gregory, 809.
Texas, Duck Creek formation, ammonites: Scott, 2006.
Devonian.
Alberta, Brachiopoda: Kindle, 1268.
Bothriolepis, Scaumenac Bay, Quebec: Bryant, 244.
Iowa, annelid jaws: Searight, 2009.
Brachiopoda: Thomas, 2219.
echinoderms: Thomas, 2217.
Devonian echinoderms, geographic distribution: Thomas, 2221.
Hackberry stage: Fenton, 677.
State beds: Stainbrook, 2128.
Illinois, western: Savage, 1964.
Maine, Chapman sandstone: Raymond, 1802.
Michigan, cystid, Lipsanocystis: Ehlers, 628.
gastropod and cephalopod: Ehlers, 627.
Missouri: Branson, 199.
Bailey limestone fauna: Tansey, 2189.
Ste. Genevieve County, Little Saline limestone: Stewart, 2147.
New York, Devonian crinoids: Goldring, 764.
Eighteenmile Creek, Callixylon: Hylander, 1036.
seed fern forests: Goldring, 765.

Paleontology—Continued.
Devonian—Continued.
Quebec, St. George: Clark, 352.
West Virginia, Mineral and Grant counties: Reger, 1839.
Jurassic.
Alberta, Fernie formation, Pelecypoda: McLearn, 1463.
Cuba, western, fish fauna: Gregory, 806.
Ordovician.
Black River Brachiopods, Mississippi Valley: Fenton, 678.
British Columbia, upper Ordovician, Palliseria: Wilson, 2490.
Cephalopoda: Foerste, 699.
Iowa, Maquoketa beds, echinoderms: Slocom, 2070.
Ontario: Foerste, 697.
Toronto area: Parks, 1710, 1711.
Quebec: Foerste, 697.
Levis, Beekmantown series: Clark, 351.
Vermont, Chazyan coral reef: Raymond, 1805.
Fort Cassin: Foyles, 714.
Grand Isle County: Perkins, 1739.
northwestern, trilobites: Raymond, 1804.
Shoreham and Bridport: Foyles, 714.
Vertebrata: Tieje, 2248.
West Virginia, Mineral and Grant counties: Reger, 1839.
Ozarkian.
Brachiopoda, Cephalopoda, Notostraca: Walcott, 2356.
Pre-Cambrian.
Algae, Archean: Gruner, 821.
Quaternary.
Alaska, Peard Bay region: Meek, 1513.
Arctic coast, Pleistocene: Dall, 498.
Bryozoa: Canu, 299.
California, Los Angeles County, Pleistocene clam: Oldroyd, 1680.
Echinoidea, west coast: Israelsky, 1041.
Florida, Mollusca: Mansfield, 1482.
Haiti, Balanus: Pilsbry, 1757.
Illinois, Joliet, Pleistocene Mollusca: Baker, 64.
Indiana, Porter County, Pleistocene Mollusca: Lyon, 1437.
Mammalian faunas, shifting: Adams, 2.
Mexico, Lower California, Mollusca: Jordan, 1127.
Minnesota, Bison: Hay, 876.
New York, New York City, Pleistocene: Palmer, 1706.
Ontario, Toronto, muskox skull: Bensley, 132.
Pleistocene: Hay, 874.
middle region of North America: Hay, 882.
Vertebrata: Hay, 875.
San Pedro fauna, Nob Hill cut, California: Oldroyd, 1681.
Texas, Pleistocene freshwater Mollusca: Hanna, 844.
Silurian.
Arkansas, Trilobita, St. Clair limestone: Foerste, 696.
Cephalopoda, northern Michigan: Foerste, 698, 699.
Maryland: Swartz, 2181.
New York, Vernon shale fauna: Eaton, 619.
Nova Scotia, Arisaig area: McLearn, 1462.
Paleontology—Continued.
Silurian—Continued.
Ohio, Medinan fauna: Foerste, 696.
Ontario, Whirlpool sandstone: Foerste, 696.
West Virginia, Mineral and Grant counties: Reger, 1839.
Tertiary.
Anguilla, Oligocene, decapod crustaceans: Withers, 2522.
Arctic regions, Brock River: Dall, 498.
Arizona, Benson, bird remains: Wetmore, 2437.
Balanocrinus, West Indies: Springer, 2114.
British Columbia, Vancouver Island, Sooke formation: Clark, 345.
Bryozoa: Canu, 300.
later Tertiary: Canu, 299.
California, Los Angeles, Miocene algae: Gardner, 730.
Mohave Desert, Alticamelus: Davidson, 514.
Monterey group, whale: Hanna, 849.
San Lorenzo group: Wagner, 2352.
Santa Barbara County, Miocene fishes: Jordan, 1125.
Sonoma County, Miocene lacustrine mollusks: Hanna, 842.
Vacaville, Eocene: Palmer, 1703.
Caribbean region, Foraminifera: Vaughan, 2338.
Costa Rica, Miocene Foraminifera and Mollusca: Palmer, 1707.
Echinoidea: Stefanini, 2140.
west coast: Israelsky, 1041.
Eocene, Foraminifera, California: Hanna, 845.
Eocene and Oligocene Mollusca: Cooke, 439.
Eutrephoceras, Eocene, South Carolina: Reeside, 1829.
Fishes, Miocene, California: Jordan, 1122.
Florida, Mollusca: Mansfield, 1482.
Foraminifera: Vaughan, 2344.
Green River flora: Knowlton, 1285.
Green River formation, origin: Henderson, 914.
Haiti: Woodring, 2533.
Balanus: Pilsbry, 1757.
cichlid fish, Miocene: Cockerell, 381.
Eocene Foraminifera: Woodring, 2534.
Mollusca: Woodring, 2535.
Idaho formation, Snake River valley: Dall, 501.
Insecta, Eocene, Texas: Cockerell, 384.
Jamaica, decapod crustaceans: Withers, 2520.
Echinoidea: Hawkins, 871.
Richmond formation: Trechmann, 2268.
Yellow limestone: Trechmann, 2267.
Louisiana, Pliocene Mollusca: Smith, 2073.
Maryland, Calvert Cliffs, Miocene whale: Kellogg, 1144.
Zarhachis, Calvert formation: Kellogg, 1143.
Miocene plants, southern Mexico: Berry, 139.
Mollusca, Eocene and Oligocene: Cooke, 439.
Miocene and Pliocene: Woodring, 2537; Coastal Plain: Gardner, 729.
Montana, Paleocene primates: Gidley, 743.
Nebraska, avian Miocene and Pliocene fossils: Wetmore, 2436.
Pacific slope, sharks and rays: Jordan, 1124.
Pelagic mammals: Kellogg, 1145.
Porto Rico, Lares district: Hubbard, 1002.
Ponce district: Mitchell, 1598.
South Carolina, Oligocene sea turtles: Hay, 878.

Paleontology—Continued.
Tertiary—Continued.
Terrestrial plants: Berry, 153.
Texas, central, Eocene florule: Berry, 147.
Miocene vertebrates: Hay, 879.
southwestern, Eocene Mollusca: Gardner, 727.
Wilcox group: Gardner, 728.
Washington, Eocene: Weaver, 2417.
Lewis County, Eocene Foraminifera: Hanna, 851.
Oligocene, Crustacea: Withers, 2521.
Triassic.
Wyoming, plants: Berry, 150.
Paleopathology.
Antiquity of disease: Moodie, 1606.
Invertebrata: Moodie, 1608.
Pachyostosis: Moodie, 1610.
Paleopathology: Moodie, 1607.
Pliocene pathology: Moodie, 1609.
Radial exostosis in Daphoenus: Romer, 1905.
Paleozoic (undifferentiated).
Alaska, Alaska Railroad region: Capps, 301.
Arctic coast: O'Neill, 1682.
Idaho, Cassia County, Goose Creek basin: Piper, 1758.
Nevada, Jarbidge district: Schrader, 1990.
Palladium.
Ontario, Thunder Bay district, Shebandowan Lake: Tanton, 2190.
Panama (including Canal Zone).
Historical geology.
Geology with special reference to the slides: MacDonald, 1445.
Physical geology.
Panama Canal slides: Nat. Acad. Sci., 1651.
Paragenesis of minerals.
Colorado, Creede district: Emmons, 650.
Columbia River basalt: Shannon, 2024.
Copper deposits, Parry Sound, Ontario: Schwartz, 2002.
Sudbury ore deposits, Ontario: Wandke, 2386.
Zinc ores: Secrist, 2014.
Peard Bay region, Arctic Alaska: Meek, 1513.
Pearl Lake area, Porcupine district, Ontario: Robinson, 1888.
Peat.
Formation: White, 2451.
General: Cottrell, 457, 462; Haanel, 828.
Indiana: Logan, 1400.
New Brunswick: Anrep, 38.
Quebec: Anrep, 37.
Pedestal rocks.
Nevada, Pershing County: Reid, 1845.
Southwest: Bryan, 243.
Pegmatites: Kemp, 1153; origin: Merritt, 1542.
Pelecypoda. *See also* Mollusca.
Alberta, Fernie formation: McLearn, 1463.
Crassatellites, Pleistocene, California: Oldroyd, 1680.
Modiodesma: Ulrich, 2314.
Ordovician clams, habit: Sardeson, 1962.
Ostrea oregonensis, Eocene, Oregon: Packard, 1695.
Peneplains.
British Columbia, southern: Uglow, 2307.
Erosion surfaces, eastern Appalachian highlands: Knopf, 1284.
Peneplains—Continued.
Idaho: Mansfield, 1479.
Northern Great Plains: Alden, 16.
Ohio, southeastern: Stout, 2169.
Utah: Keyes, 1164.
West Virginia, Mineral and Grant counties: Reger, 1839.
Pennsylvania.
Geological Survey, work, 1919–22: Ashley, 46.
Areas described.
McCalls Ferry quadrangle: Jonas, 1112.
Economic geology.
Cannel coal and carbonaceous shale deposits: Fettke, 685.
Carbonaceous shale: Fettke, 684.
Coal: Sisler, 2069.
Allegheny Valley: Rayburn, 1799.
Copper deposits: Watson, 2412.
Lancaster Gap mine: Phemister, 1753.
Lead and zinc ores: Miller, 1573.
Mineral resources: Pennsylvania G. S., 1734.
Oil resources in coal and carbonaceous shales: Fettke, 684.
Petroleum: Majorelle, 1467.
Silica refractories: Moore, 1615.
Historical geology.
Bryn Mawr gravel: Bascom, 85.
Clinton formations: Ulrich, 2312.
Crystalline schists, southeastern Pennsylvania: Hawkins, 869; Knopf, 1282.
Honeybrook quadrangle: Smith, 2079.
Lower Allegheny-Pottsville section in western Pennsylvania, correlation: Renick, 1851.
Loyalhanna limestone, southwestern Pennsylvania: Butts, 270.
Martinsburg shale: Behre, 116.
Ordovician overlap, Piedmont province: Stose, 2160.
Pottsville and lower Allegheny formations, western Pennsylvania, correlation: Renick, 1850.
Silurian: Swartz, 2182.
Southeastern Pennsylvania: Stose, 2163.
Mineralogy.
Meteorites: Stone, 2156.
New Baltimore, Somerset County: Merrill, 1533, 1534.
Wavellite: Gordon, 776.
Petrology.
Anorthosite, Piedmont province: Smith, 2079.
Igneous dike, southwestern Pennsylvania: Honess, 974.
Physical geology.
Igneous dike, southwestern Pennsylvania: Honess, 974.
Martinsburg shale, structural features: Behre, 116.
Structural features, southeastern Pennsylvania: Stose, 2163.
Physiographic geology.
Erosion surfaces, eastern Appalachian highlands: Knopf, 1284.
Pennsylvanian, taxonomic range: Keyes, 1215.
Pennsylvanian. *See* Carboniferous.
Pentremites. *See* Blastoidea.
Peridotite.
Arkansas, Pike County: Miser, 1592.
Periodic diastrophism: Shepard, 2048.

Permian. *See* Carboniferous.
Pershing oil and gas field, Osage County, Oklahoma: Rubey, 1920.
Petroleum. *See also* Oil shales.
Accumulation in Rocky Mountain region: Harrison, 862.
Alaska, Cold Bay-Chignik district: Smith, 2091.
Alberta, southern: Williams, 2474.
Wainwright area: Hume, 1018.
Wainwright-Irma area: Hume, 1021.
Arkansas, El Dorado field: Ley, 1373.
Smackover oil and gas field: Bell, 119, 120; Schneider, 1981.
southern, oil fields, structural features: Crider, 470.
Bibliography: Burroughs, 261, 262.
California: Collom, 428; Landero, 1315; Legraye, 1350.
chemical characteristics: Prutzman, 1783.
development of oil fields: Moran, 1628.
early oil development: Orcutt, 1685.
Huntington Beach field: Case, 308; Gester, 742.
Kern County, Belridge and North Belridge fields: Boezinger, 169.
Devils Den field: Huguenin, 1010.
Hovey Hills field: Saunders, 1963.
Lost Hills field: McCabe, 1440.
Poso Creek field: Kaiser, 1129.
Sunset field: Copp, 449.
Sunset Extension field: Rogers, 1901.
Wheeler Ridge field: Kaiser, 1128.
Long Beach field: Case, 307; Schwennesen, 2005.
Los Angeles and Ventura counties: Kew, 1159.
Los Angeles Basin: Eaton, 620.
structural features: Ferguson, 682.
Los Angeles fields: Milner, 1590.
San Joaquin Valley: Stevens, 2146.
Santa Fe Springs field: Case, 306; Templeton, 2200.
South Mountain field, Ventura County: Hudson, 1007.
Ventura County: Godde, 762; Taliaferro, 2187.
Ventura field, Ventura County: Craddock, 466.
Canada: Hume, 1019; Rigaud, 1877.
oil reserves: Arnold, 43.
Capillarity and oil migration: Russell, 1931.
Capillary relationships of oil and water: Cook, 434, 435; Washburne, 2397.
Carbon ratio: Storm, 2157.
Central America, oil reserves: Redfield, 1811.
Coal as an aid in oil exploration: Lilley, 1376.
Cone domes of oil fields: Sardeson, 1951.
Correlative value of heavy minerals: Tickell, 2246.
Costa Rica: Redfield, 1814.
Diatomiferous horizons and petroleum deposits: De Landero, 554.
Differential compacting the cause of certain Claiborne dips: Teas, 2198.
Direct synthesis of higher from lower hydrocarbons: Thom, 2213.
Eastern United States: Majorelle, 1467.
Finding of oil: De Golyer, 552.
Fishes the source of petroleum: Macfarlane, 1454.
Petroleum—Continued.
General: Arnold, 45; Garfias, 731; Haney, 841; Hummel, 1022; Krey, 1293; Phelps, 1751; Prettyman, 1776; Reinholt, 1846; Richardson, 1866, 1868; Van Tuyl, 2333.
Geological organization of an oil company: Gaylord, 732.
Geologist and petroleum industry: De Golyer, 552.
Geology in finding and recovery of oil: White, 2453.
Honduras: Redfield, 1815.
Hydraulic theory of oil migration and accumulation: Rich, 1860.
Illinois: Collingwood, 417, 418.
Allendale oil field extension: Collingwood, 420.
Carlyle-Centralia district: Shaw, 2035.
Decatur area: Collingwood, 419.
eastern: Mylius, 1649.
Jacksonville area: Collingwood, 416.
Waterloo anticline: Lamar, 1310.
Indiana, southwestern: Logan, 1402.
Isocarb ratio, southwestern Virginia: Eby, 622.
Kansas, Burket-Seeley oil pool: Loomis, 1412.
eastern, shoestring sands: Rich, 1859.
Kentucky: Gardner, 726; Jillson, 1081; Nelson, 1659.
central southern: Nelson, 1658.
Kerogen and origin of oil: Trager, 2265.
Light oils in the Rocky Mountain region, origin: Geis, 734.
Louisiana, Bellevue oil field: Holman, 969.
Cotton Valley field, Webster County: Powers, 1769.
Haynesville field: Albertson, 8.
northern, oil fields, structural features: Crider, 470.
Spring Hill-Sarepta field: Ponton, 1764.
Mackenzie, Mackenzie River between Norman and Beaver River: Hume, 1013.
Mexico: Obregon, 1676; Sansom, 1950.
Chiapas and Tabasco: Vivar, 2348.
Isthmus of Tehuantepec: Huntley, 1034.
Tabasco: Jones, 1119.
Tabasco and Chiapas: Lajous, 1308.
Michigan: Smith, 2087.
Mid-Continent field, origin of oil: Greene, 798.
Migration and accumulation: Rich, 1861.
Migration of oil and gas: Mather, 1489.
Migration of oil and water: Parks, 1709.
Mississippi petroleum prospecting: Morse, 1638.
Missouri: Wilson, 2497.
Montana, central: Reeves, 1831, 1833.
Kevin-Sunburst oil field: Clark, 348.
Sunburst field: Hager, 831.
Mother plants of petroleum in Devonian black shale: White, 2448.
National Research Council and oil geology: Heald, 890.
Natural gas in oil migration: Mills, 1588.
New Mexico: Ellis, 632.
Ohio, Columbiana County: Stout, 2169.
Oil accumulation and periods of folding: Hintze, 944.
Oil-field waters: Palmer, 1702.
Oil geology and science: Heald, 892.

Petroleum—Continued.
Oil in vesicular cavities of igneous intrusions: Osborne, 1693.
Oil reserves of the United States: White, 2450.
Oil saturation in certain sandstones: Ruby, 1922.
Oklahoma, Burbank field, Osage County: Sands, 1949.
Graham field, Carter County: Tomlinson 2261.
Pershing oil and gas field: Rubey, 1920.
Robberson field, Galvin County: Denison 558; English, 655; Oklahoma G. S., 1679.
Sayre field, Beckham County: Birk, 160.
Stroud field: McFarland, 1452; Powers, 1770.
Tonkawa field: Clark, 349; Hosterman, 984.
Ontario: Harkness, 860.
Romney: Davis, 516.
Oregon, possibilities: Smith, 2093.
Organic material of carbonaceous shales: Washburne, 2396.
Origin: Hixon, 947; Jones, 1115; Lahee, 1303; Lajous, 1309; Landero, 1315; Lewis, 1372; Sardeson, 1954; Singewald, 2068; Van Tuyl, 2334.
humus-acid theory: Rae, 1790.
migration, and accumulation: Somers, 2099.
Pennsylvania: Pennsylvania G. S., 1734.
Petroleum geology: Lahee, 1305.
Petroleum provinces: Lilley, 1375.
Petroleum-bearing concretions: Binney, 156.
Pressure, effect on migration of oil: Thomas, 2227.
Production, reserves, etc.: Arnold, 44.
Quality of oil, relation to structure: Ley, 1373.
Radioactivity and oil field location: White, 2449.
Rocky Mountain fields, deeper drilling: Lupton, 1436.
Rocky Mountain region, microscopic subsurface work: Wilson, 2496.
Sericitization and dolomitization as indices in oil-bearing formations: Lahee, 1301.
South Dakota, geologic features and oil possibilities: Wilson, 2596.
Surface indications in Louisiana: Steinmayer, 2142.
Tennessee: Nelson, 1659.
central northern: Nelson, 1658.
Willow oil field: Jillson, 1071.
Texas, Amarillo district: Harrison, 861.
Caldwell County, Luling: Pratt, 1772.
Currie field, Navarro County: Lahee, 1300.
Luling oil field, Caldwell County: Sellards, 2017.
McLennan County, Adkins, 6.
Mexia: Pratt, 1773.
faulting and petroleum accumulation: Pratt, 1775.
Minerva field, Milam County: Hager, 829.
New Richland field: Lahee, 1302.
Panhandle: Pratt, 1774.
Reynosa Escarpment: Jones, 1117.
Texture of oil sands and production of oils: Melcher, 1521.
Theories: Ely, 648.
Thermal currents in oil accumulation: Pepperberg, 1735.
Petroleum—Continued.
United States: Rigaud, 1877.
Utah, San Juan field: Miser, 1597.
Vanadium and nickel in petroleum: De Golyer, 551.
West Indies: Redfield, 1812.
Wyoming: Bartlett, 82; Estabrook, 660.
Elk Basin oil field, faulting: Estabrook, 659.
Hanna Basin and Red Desert: Krampert, 1291.
Laramie and Medicine Bow districts: Bartlett, 81.
Lost Soldier-Ferris district: Fath, 670.
possibilities near Osage field: Anon., 2568.
Rawlins-Lost Soldier district: Krampert, 1290.
Salt Creek oil field, water conditions in First Wall Creek sand: Nowels, 1674.
southern: Bartram, 84.
Teapot Dome: Wheeler, 2439.
Petrology (general). *For areal see names of States. For rocks described see list, p. 248. See also* Igneous and volcanic rocks; Sedimentary rocks; Technique.
Abstracts and reviews: Johannsen, 1091.
Anorthosite, origin: Smith, 2079.
Anorthosites, formation: Loewinson-Lessing, 1397.
Comagmatic regions and the Wegener hypothesis: Washington, 2403.
Density of rocks from Mauna Kea and Haleakala: Washington, 2404.
Dolomites, chemical study: Knight, 1278.
Field book: Loomis, 1408.
Final consolidation phenomena in the crystallization of igneous rock: Colony, 430.
Fossil bone: Rogers, 1896.
Gels, function in the formation of quartz and carbonate veins: Merritt, 1543.
Genetic classification of rocks: Sen, 2019.
Igneous rocks, classification: Hodge, 957.
Inclusions in basalt: Richarz, 1869.
Lamprophyres: Stansfield, 2132.
Limestones, nomenclature: Kindle, 1259.
Natural glasses, relation of physical properties and chemical composition: George, 736.
New petrology: Berkey, 135.
Origin of foliation and naming of syntectic rocks: Alling, 29.
Pegmatites: Kemp, 1153.
Pegmatitic growths, function of colloids in: Merritt, 1542.
Pillow structure in basalts: Foye, 710, 711.
Pyroxene group: Winchell, 2508.
Recording micrometer for rock analysis: Wentworth, 2431.
Residue for silica in rock analysis: Aurousseau, 51.
Rocks, determination: Ellis, 633.
Triassic sandstones, petrographic analysis: Roberts, 1882.
Verden sandstone: Reed, 1818.
Volatile components of rocks: Day, 545.
Philipsburg region, Quebec: Bradley, 188.
Phosphate.
General: Mansfield, 1478, 1481.
Tennessee: Smith, 2089, 2090.
Wyoming, Wind River Mountains: Condit, 433.

Physical geology (general). *For areal see names of States.*
Alberta, structural features produced by Pleistocene glaciation: Hopkins, 977.
Algae as limestone makers and climatic indicators: Glock, 760.
Angular inclusions and replacement deposits: Bateman, 101.
Appalachians, cross-section in southern New England: Woodworth, 2539.
new structural type in: Stose, 2163.
structure: Keith, 1140.
Bacterial deposition: Breger, 204.
Basin range structure in the Great Basin: Louderback, 1413.
Beach cobbles: Clarke, 362.
Black shale formation: Goldman, 763.
Breaking waves in shallow water: MacClintock, 1443.
Capillary relationships of oil and water: Washburne, 2397.
Carbonization of Colorado coals by igneous intrusion: Eby, 623.
Cobble of peculiar shape: Wentworth, 2433.
Colloidal products of rock weathering, distribution: Wallace, 2380.
Columnar holes in wandering dunes, origin: Harshberger, 863.
Continents and oceans, origin: Wegener, 2420.
Differential compacting the cause of certain Claiborne dips: Teas, 2198.
Dolomitization near Goodsprings, Nevada: Hewett, 923.
Dynamics of faulting and folding: Willis, 2482.
Earth's mobile belts, pattern: Bucher, 247.
Faults, active, criteria for recognizing: Taber, 2184.
Fissility of shale, origin: Lewis, 1371.
Folding, types of: Ickes, 1037.
Folds from vertically acting forces: Robinson, 1889.
Framework of the continents, significance: Chamberlin, 318.
Fundamental lines of North American geologic structure: Ruedemann, 1924.
Fundamental problems of geology: Chamberlin, 319.
Fused sedimentary rocks in drill cores: Bowen, 174.
Gels, function in formation of quartz and carbonate veins: Merritt, 1543.
General: Bretz, 209; Grabau, 790; Meinzer, 1520.
Geodetic work, value to geology: Bowie, 179.
Geologic structures: Willis, 2480.
Glacially transported mine: Walker, 2363.
Gypsum deposits, origin: Keyes, 1205.
Horizontal compression in Colorado Rockies: Shepard, 2047.
Ice ages and the drift of continents: Coleman, 408.
Isostasy, bearing on geological problems: Bowie, 184.
Isothrustic structure: Jillson, 1072.
Laccoliths: Davis, 530.
formation: Keyes, 1162.
Limestone alterations at Bingham, Utah: Winchell, 2511.
Physical geology (general)—Continued.
Limestone conglomerates, origin: Fillman, 690.
Minerals deposited by bacteria in mine waters: Parry, 1719.
Mosses as rock builders: Emig, 649.
Movements in the earth's crust: Lambert, 1314.
Mud crack and associated joint structure: Kindle, 1257.
Mud crack and ripple mark in recent calcareous sediments: Kindle, 1256.
Mud cracks: Ward, 2389.
North American geosyncline: Schuchert, 1993.
Ocean inlets, storm effects: Hite, 946.
Origin of foliation and naming of syntectic rocks: Alling, 29.
Parallel folding and boudinage: Quirke, 1785.
Permeability of rocks: Dahlblom, 489.
Pitch of rock folds: Fermor, 683.
Pressure, effect on migration of oil: Thomas, 2227.
Rectilinear shore lines, New England-Acadian region, origin: Johnson, 1096.
Rivers, action: Hill, 939.
Rocks, thermal conductivity and compressibility under pressure: Bridgman, 213.
Rocky Mountain structure: Flint, 695.
Rotational velocity of earth and its geological effects: Daly, 503.
Sand bar, unusual type: Kindle, 1255.
Sandstone inclusion in salt in mine on Avery's Island: Heald, 893.
Shale, fissility, and its relations to petroleum: Lewis, 1372.
Shattering of minerals and rocks about inclusions: Walker, 2368.
Shrinkage cracks, origin: Twenhofel, 2292.
Shrinkage of the earth: Stille, 2148.
Slumping previous to consolidation in Pennsylvanian of Oklahoma: Ross, 1912.
Stalagmites and stalactites, growth: Allison, 31.
Structural geology: Leith, 1358.
Stylolitic structures, origin: Stockdale, 2151.
Subsidence: Rice, 1858.
Textbook: Miller, 1586.
Thermal conductivity and compressibility of rocks under pressure: Bridgman, 213.
Veins of fibrous minerals, origin: Taber, 2185.
Vertical earth adjustments, rate of movement: Hobbs, 952.
Physiographic geology (general). *For areal see names of States. See also* Drainage changes.
Appalachian Valley: Brigham, 214.
Atlantic and Pacific coastal regions, contrast: Hobbs, 950.
Basin range structure in the Great Basin: Louderback, 1413.
"Blue Ridge" New England: Brown, 223.
Dalles type of river channel: Bretz, 208.
Desert range, genetic significance: Keyes, 1222.
Erosion cycle: Davis, 521.
Erosion surfaces, eastern Appalachian highlands: Knopf, 1284.
Even-crested ridges: Buwalda, 273.
General: Davis, 533.
Great Basin lakes, origin: Keyes, 1180.
Lateral migration of land masses: Daly, 505; Lambert, 1313; Taylor, 2196.

Physiographic geology (general)—Continued.
Northern Great Plains, physiographic development: Alden, 16.
Ocean inlets, storm effects: Hite, 946.
Plateau region changes: Reagan, 1808.
Recessional streams of arid regions: Keyes, 1233.
Rivers in arid regions: Keyes, 1186.
Shaded topographic maps: Davis, 531.
Shapes of valleys, representation: Lane, 1318.
Stream and ocean terraces in relation to recent earth movements: Holway, 972.
Submerged coastal plain and oldland of New England: Johnson, 1098.
Pigments.
Canada: Fréchette, 716.
Pinkham Notch, physiographic history: Crosby, 475.
Pisces.
Bothriolepis, Scaumenac Bay, Quebec: Bryant, 244.
California: Hubbs, 1006.
Miocene: Jordan, 1122.
Santa Barbara County: Jordan, 1125.
Chichlasoma, Haiti: Cockerell, 381.
Classification: Jordan, 1123.
Cuba, western, Jurassic: Gregory, 806.
Eobrycon, scales: Cockerell, 383.
Evolution and distribution: Macfarlane, 1453.
Ganoid fish, Lower Cretaceous, South Dakota: Gregory, 809.
Ganoid fishes: Gregory, 806.
General: Macfarlane, 1454.
Historic fish remains: Miller, 1568.
Pacific slope, sharks and rays: Jordan, 1124.
Saint John collection: Keyes, 1240.
Sculpin, Nevada: Jordan, 1126.
Sources of petroleum: Macfarlane, 1454.
Planetable methods: English, 656.
Planetesimal hypothesis: Chamberlin, 328, 329, 330; Reid, 1842.
Plants, fossil. *See* Paleobotany.
Platinum: Hill, 930, 935.
British Columbia, Yale district, Tulameen area: Poitevin, 1761.
Pleistocene. *See* Glacial geology; Quaternary.
Polyzoa. *See* Bryozoa.
Portland cement. *See* Cement materials.
Porto Rico.
Areas described.
Humacao district: Fettke, 686.
Lares district: Hubbard, 1002.
Ponce district: Mitchell, 1598.
Economic geology.
Magnetite deposits, eastern Porto Rico: Fettke, 687.
Historical geology.
Eastern Porto Rico: Vaughan, 2339.
Paleontology.
Bird remains from caves: Wetmore, 2435.
Orthaulax, Tertiary: Woodring, 2531.
Physiographic geology.
General: Lobeck, 1393.
Potash. *See also* Alunite.
General: Mansfield, 1477, 1480; U. S. Senate, 2319.
Potash—Continued.
Minnesota, content in shales: Schmitt, 1980.
Texas, Potter County: Patton, 1728.
western: Mansfield, 1474; Meigs, 1514.
Potholes.
Ancient high-level potholes near the Colorado River: Ransome, 1794.
Prairies in Illinois, origin: Woodard, 2529.
Pre-Cambrian. *See also* Paleontology, Pre-Cambrian.
Arctic coast: O'Neill, 1682.
Arizona, Ray quadrangle: Ransome, 1792.
Canada: Baker, 66; Collins, 427; Miller, 1582.
Huronian and Grenville rocks, correlation: Quirke, 1788.
Colorado: Keyes, 1227.
Big Thompson River valley: Fuller, 721.
Folding: Miller, 1585.
General: Keyes, 1181; Miller, 1585.
Greenland, northwestern: Hovey, 994.
Grenville subprovince: Wilson, 2501.
Huronian and Grenville rocks, correlation: Quirke, 1788.
Iowa, Ida County: Lees, 1347.
Idaho, Shoshone County: Umpleby, 2316.
Labrador, Lake Melville district: Kindle, 1261.
Manitoba, Beresford Lake area: Wright, 2547.
Elbow Lake area: Armstrong, 42.
Flinflon area: Alcock, 9.
Rice Lake district: Wright, 2546.
Maryland, Piedmont Plateau: Knopf, 1282.
western Piedmont: Jonas, 1113.
Matachewan series, northeastern Ontario: Miller, 1576.
Minnesota, Lake Superior geosyncline: Hotchkiss, 990.
Mesabi Range: Gruner, 822.
Missouri: Wilson, 2497.
Montana, Beartooth Mountains: Bevan, 155.
Belt series: Wilson, 2507.
Big Snowy Mountains, Belt terrane: Freeman, 717.
Nevada: Keyes, 1192.
New York, Adirondacks, western: Agar, 7.
Luzerne quadrangle: Miller, 1583.
southeastern: Colony, 429.
Ontario: Miller, 1580.
Arnprior-Quyon area: Wilson, 2498.
Brocktown-Mallorytown area: Wright, 2545.
Cobalt area: Knight, 1277.
English River valley: Bruce, 227.
Huronian and Grenville rocks: Quirke, 1789.
Huronian complex near Killarney: Quirke, 1787.
Kenogamissi Lake area: Todd, 2257.
Lake St. Joseph, eastern part: Bruce, 225.
Lake St. Joseph area: Bruce, 224.
Leeds County: Baker, 65.
middle Eozoic sediments: Spearman, 2105.
northeastern: Miller, 1578.
northern: Cooke, 446.
Ontario-Manitoba boundary: Burwash, 266; Rickaby, 1870.
Porcupine district: Robinson, 1888.
Red Lake basin, District of Patricia: Bruce, 228.

Pre-Cambrian—Continued.
Ontario—Continued.
Thunder Bay district: Swanson, 2174; Tanton, 2193.
Shebandowan Lake: Tanton, 2190.
Watabeag area: Wright, 2541.
western: Bain, 61.
Pennsylvania, McCalls Ferry quadrangle: Jonas, 1112.
Piedmont Plateau: Knopf, 1282.
southeastern: Hawkins, 869.
Quebec, Arnprior-Quyon area: Wilson, 2498.
Dufresnoy area, Abitibi district: Harvie, 864.
Duparquet area: James, 1047.
middle Eozoic sediments: Spearman, 2105.
northern: Cooke, 442.
Timiskaming County, Opasatika area: Cooke, 440, 441.
Rouyn area: James, 1048.
Saskatchewan, Lake Athabaska: Allan, 22.
South Dakota, Black Hills: Paige, 1698.
Lead area: Hosted, 983.
Taconic question: Keyes, 1193.
Taxonomic differentiation: Keyes, 1174.
Time scale: Young, 2554.
Utah: Keyes, 1219.
Wisconsin, Lake Superior geosyncline: Hotchkiss, 990.
Primates. *See* Mammalia.
Proboscidea. *See* Mammalia.
Pseudomorphs.
Chalcedony pseudomorphs, Big Badlands, South Dakota: Honess, 973.
Psilophyton, cuticular structure: Edwards, 626.
Pyrite, crystallography: Whitlock, 2458.
Pyrite in coal: Lindly, 1386.
Pyrites: Jenison, 1054; Meyer, 1553.
Quaternary. *See also* Glacial geology; Paleontology; Quaternary.
Alaska, Peard Bay region: Meek, 1513.
British Columbia, Fraser River Delta: Johnston, 1107.
Coastal Plain terraces, origin and age: Hay, 881.
Costa Rica: Redfield, 1814.
District of Columbia, excavation on Connecticut Avenue: Wentworth, 2432.
Haiti: Woodring, 2533.
Idaho, Bingham, Bonneville, and Caribou counties: Kirkham, 1273.
Illinois, Carlyle-Centralia district: Shaw, 2035.
Lawrence County, Pleistocene: Cox, 465.
Nevada: Keyes, 1192.
New York, New York City, Pleistocene: Palmer, 1706.
Pleistocene: Hay, 874.
eastern North America: Hay, 875.
middle region of North America: Hay, 882.
Quaternic and Tertic chronology: Allison, 32.
Texas, Colorado County: Bailey, 57.
Gulf Coastal Plain near Rio Grande: Trowbridge, 2272.
McLennan County: Adkins, 6.
Potter County: Patton, 1728.
Quebec.
Areas described.
Arnprior-Quyon area: Wilson, 2498.
Dufresnoy area, Abitibi district: Harvie, 864.
Quebec—Continued.
Areas described—Continued.
Duparquet area: James, 1047.
Lake Melville district, Labrador: Kindle, 1261.
Maniwaki area: Wilson, 2498.
Opasatika area, Timiskaming County: Cooke, 440.
Rouyn area, Timiskaming County: James, 1048.
Economic geology.
Asbestos: Fisher, 694.
Copper prospects, Gaspe Peninsula: Alcock, 10.
Copper-bearing minerals, Papineau County: Wilson, 2499.
Dufresnoy Lake area: Harvie, 865.
Gaspe, mineral deposits: Alcock, 11.
Gold, Dubuisson Township: Spearman, 2104.
Lake Fortune area: Goodwin, 768.
northwestern Quebec: Dufresne, 588.
western Quebec: Cooke, 445.
Gold belt: Goodwin, 769.
northern Quebec: Wright, 2542.
Gold fields, northwestern Quebec: Brunton, 236.
Gold prospects, northwestern Quebec: Denis, 556.
Labrador, mineral resources: Coleman, 414.
Magnesite, Grenville: Bain, 59.
Mineral resources: Dresser, 585.
Mining operations, 1922, 1923: Denis, 555, 557.
Northern Quebec: Cooke, 442.
Opasatica area, northern Quebec: Cooke, 441.
Peat bogs: Anrep, 37.
Rouyn area: James, 1049.
Rouyn-Boischatel area, Temiskaming County: Hore, 981.
Zinc and lead deposits, Gaspe Peninsula: Beidelman, 117.
Historical geology.
Bonaventure formation, age: Clarke, 366.
Devonian, St. George: Clark, 352.
Geologic map showing mineral resources; Canada, Dept. Mines, 297.
Levis: Clark, 354.
Middle Eozoic sediments: Spearman, 2105.
Northern Quebec: Cooke, 442.
Opasatica area, northern Quebec: Cooke, 441.
Percé: Clarke, 361.
Philipsburg region: Bradley, 188.
Upper Ordovician: Foerste, 697.
Mineralogy.
Allanite, Labelle County: Walker, 2369.
Native gold in calcite, Dorchester County: Dufresne, 587.
Pectolite and apophyllite, Thetford mines: Parsons, 1723.
Sillimanite, Romaine: Walker, 2369.
Paleontology.
Beekmantown series at Levis: Clark, 351.
Bothriolepis, Scaumenac Bay: Bryant, 244.
Psilophyton, Gaspe: Edwards, 626.
Rosetted trails of worms: Clarke, 367.
Upper Ordovician faunas: Foerste, 697.
Petrology.
Almandite, Grenville limestone, Chatham Township: Bain, 60.
Essexites of Mount Royal: Bancroft, 74.

Quebec—Continued.
Petrology—Continued.
Monteregian province extensions: Stansfield, 2121.
Mount Royal contact-metamorphic zone: Dolan, 567.
Physiographic geology.
Gaspe Peninsula: Alcock, 12.
Ice conditions, northeastern Labrador: Coleman, 406.
Quicksilver.
Bibliography: Evans, 662.
General: Ransome, 1795; Ross, 1915.
Radium.
Carnotite ores, Colorado and Utah: Hillebrand, 942.
Colorado, Central City district, pitchblende: Hirschi, 945.
General: Hess, 917, 919.
Rangeley conglomerate, Maine: Smith, 2672.
Rare metals: Hess, 919.
Rawlins-Lost Soldier district, Wyoming: Krampert, 1290.
Ray quadrangle, Arizona: Ransome, 1792.
Recessional streams of arid regions: Keyes, 1233.
Red Lake basin, District of Patricia, Ontario: Bruce, 228.
Relief maps.
Idaho, southeastern: Kirkham, 1273.
Missouri: Keyes, 1245.
Tennessee, eastern: Stose, 2159.
United States: Meinzer, 1515.
Reptilia.
Alberta, Cretaceous Dinosauria: Gilmore, 753; Parks, 1718.
Alligator, Snake Creek beds, Nebraska: Mook, 1611.
Aspideretes, Belly River Cretaceous, Alberta: Gilmore, 751.
Corythosaurus, Red Deer River, Alberta: Gilmore, 750; Parks, 1712.
Crocodilian, Wasatch beds, Wyoming: Mook, 1612.
Deinodontidae, Cretaceous, Alberta: Matthew, 1503, 1507.
Dimetrodon, skull features: Case, 305.
Dinosaur National Monument: Gilmore, 755.
Dinosaur tracks, Cretaceous, Utah and Colorado: Peterson, 1749.
Dinosauria, Belly River formation, Alberta: Gilmore, 750; Parks, 1715.
Red Deer region: Tyrrell, 2299.
Dinosaurian climatic response: Lull, 1433.
Dromaeosaurus, Alberta: Matthew, 1503.
Dyoplosaurus acutosquameus, Alberta: Parks, 1714.
Gavialosuchus americana: Mook, 1613.
Ilium in dinosaurs and birds: Romer, 1903.
Laosaurus, Cretaceous, Alberta: Gilmore, 752.
Pareiazauroides, West Virginia: Lull, 1434.
Pentaceratops, New Mexico: Osborn, 1687.
Primitive reptilian skull: Case, 305.
Prosaurolophus maximus, Alberta: Parks, 1714.
Saurischian dinosaurs, pelvic musculature: Romer, 1904.
South Carolina, Oligocene sea turtles: Hay, 878.
Reptilia—Continued.
Stephanosaurus, crested dinosaur: Parks, 1713.
Styracosaurus, Alberta: Gilmore, 748.
Texas, tortoises: Hay, 877.
Troodon validus, Belly River formation, Alberta: Gilmore, 754.
Tylosaurus, western Kansas: Gilmore, 749.
Uintasaurus, Utah: Holland, 964.
Resin, fossil: Steele, 2139.
Restorations.
Daphoenus, Sioux County, Nebraska: Thorpe, 2238.
Dolichorhinus: Peterson, 1747.
Eospermatopteris: Goldring, 765.
Fishes, Miocene, California: Jordan, 1122.
Mastodon: Clarke, 364; Osborn, 1686.
Cohoes, New York: Clarke, 371.
Merychyus, Peterson, 1745.
Merycoidodon, Sioux County, Nebraska: Thorpe, 2238.
Prosaurolophus maximus, Alberta: Parks, 1714.
Sparganium antiquum: Berry, 152.
Styracosaurus, Alberta: Gilmore, 748.
Troodon validus: Gilmore, 754.
Tylosaurus, western Kansas: Gilmore, 749.
Tyrannosaurus, pelvic musculature: Romer, 1904.
Rhode Island.
Economic geology.
Granite: Dale, 495.
Paleontology.
Annularia with Paleostachya fruit: Round, 1918.
Flora, Carboniferous: Round, 1919.
Rice Lake area, southeastern Manitoba: Wright, 2546.
Riddle quadrangle, Oregon: Diller, 564.
Ripple mark: Kindle, 1256.
Literature: Kindle, 1264.
River capture. *See* Stream capture.
Rivers.
Arid regions: Keyes, 1186.
Dalles type of river channel: Bretz, 208.
Glacial diversion of the Missouri River: Todd, 2258.
Intercision, Pike River, Wisconsin: Ball, 68.
Missouri River channel, age: Todd, 2259.
Physiographic features: Hill, 939.
Recessional streams of arid regions: Keyes 1233.
Red River, Oklahoma-Texas: Hill, 939; Sellards, 2015, 2016; Tex., Atty. Gen., 2202.
Sand Rivers: Hill, 938.
South Canadian River near Norman, Oklahoma: Evans, 665.
Road materials.
Kentucky: Richardson, 1865.
Robberson field, Garvin County, Oklahoma: Denison, 558.
Rochester district, Nevada, geology and ore deposits: Knopf, 1280.
Rock oil, origin: Singewald, 2068.
Rocky Bar district, Idaho: Schrader, 1992.
Rocky Mountain structure: Flint, 695.
Rotational velocity of earth and its geological effects: Daly, 503.
Rouyn area, Timiskaming County, Quebec: James, 1048.

Sacramento Valley, California: Bryan, 239.
Saline domes. *See* Salt domes.
Saline lakes. *See* Soda lakes.
Salt.
General: Cottrell, 459.
Nova Scotia, Malagash: Chambers, 331.
Salt domes.
General: De Golyer, 549.
Origin: Wolf, 2526.
Texas, Hockley dome, Harris County: Chapman, 338.
Salton Sea region, California: Brown, 221.
Sand. *See also* Glass sand; Silica.
General: Beach, 109; Coons, 447.
Minnesota: Knapp, 1275.
South Dakota, eastern: Rothrock, 1916.
San Juan Canyon, southeastern Utah: Miser, 1594, 1597.
San Lorenzo group, San Emigdio region, California: Wagner, 2352.
Sandstone dikes, South Dakota: Lawler, 1332.
Saskatchewan.
Areas described.
Flinflon area: Alcock, 9.
Economic geology.
Cretaceous shale: Ells, 634.
Iron, Lake Athabaska: Allan, 22.
Lignites: Lee, 1338.
Northern Saskatchewan: Bruce, 229.
Sodium and magnesium salts: Cole, 405.
The Pas mineral belt: Alcock, 13.
Volcanic ash near Waldeck: Cole, 403.
Historical geology.
Lance formation, southern Saskatchewan: Sternberg, 2144.
Physical geology.
Banded precipitates of vivianite in fireclay, Claybank: Stansfield, 2130.
Corrosion by saline waters, Senlac Lake: Rutherford, 1932.
Saunders Creek and Nordegg coal basins, Alberta: Allan, 21.
Sayre oil and gas field, Beckham County, Oklahoma: Birk, 160.
Scablands of Columbia Plateau, Washington: Bretz, 207.
Scobey lignite field, Valley, Daniels, and Sheridan counties, Montana: Collier, 415.
Seasonal records of geologic time: Reeds, 1823.
Secondary enrichment. *See* Ore deposits, origin.
Sedimentary rocks. *See* Petrology.
Sedimentation. *See also* Conglomerate; Erosion.
Algae as limestone makers and climatic indicators: Glock, 760.
Arctic ice, distribution of sediments by: Kindle, 1263.
Atlantic coast sediments: Kindle, 1270.
Bacterial deposition: Breger, 204; Parry, 1719.
Bahamas, bottom samples: Vaughan, 2336.
Barrell's work on sedimentation: Vaughan, 2337.
Black shale formation: Goldman, 763.
Caliche, formation: Udden, 2300.
Clastic sediments, nomenclature: MacKenzie, 1459.
Colloidal products of rock weathering, distribution: Wallace, 2380.
Continental: Keyes, 1238.
Sedimentation—Continued.
Correlative value of heavy minerals: Tickell, 2246.
General: Clements, 372; Twenhofel, 2294; Vaughan, 2342.
Investigation of marine sediments: Vaughan, 2341.
Iowa, status of sedimentation studies: Trowbridge, 2275.
Lake Huron winter beach forms: Littlefield, 1390.
Laminated anhydrite, Texas: Udden, 2302.
Limestones, nomenclature: Kindle, 1259.
Marlite balls: Kindle, 1258.
Microscopic structure of rocks: Lamar, 1311.
Minerals deposited by bacteria in mine waters: Parry, 1719.
Oklahoma, Red River: Evans, 663.
Organic material of carbonaceous shales: Washburne, 2396.
Red beds of Front Range of Colorado: Tieje, 2247.
Shale, fissility, and its relations to petroleum: Lewis, 1372.
Shoestring sands, origin: Rich, 1859.
Stream aggradation through irrigation: Reagan, 1809.
Study and correlation by petrographic methods Milner, 1589.
Terrestrial: Keyes, 1238.
Utah, débris of desert torrents: Pack, 1694.
Verden sandstone, Oklahoma: Reed, 1818.
Seismology. *See also* Earthquakes.
California, seismological investigation: Day, 539.
Committee on seismology, report: Day, 537.
Cooperation in seismology: Day, 543.
Dispersion of energy without dispersion of frequencies in transverse elastic waves in the earth: Byerly, 376.
General: Day, 546.
Prediction of earthquakes: Keyes, 1207.
Record of surface waves: Reid, 1840.
Recording seismologic data at Ottawa: Hodgson, 959.
Report of advisory committee on seismology: Day, 536, 544.
Reports of earthquakes: Wood, 2527.
Seismic instruments and seismic service: Mohorovicic, 1604.
Seismograph and friction: Reid, 1843.
Seismological terms: Davison, 534.
Status and needs: Humphreys, 1023.
Torsion seismometer: Anderson, 34.
Selenium: Cahen, 278; Heikes, 896, 902.
Occurrence: Lenher, 1363.
Septaria, Pennsylvanian shale, Missouri: Grawe, 794.
Shaded topographic maps: Davis, 531.
Shale.
Fissility, and its relations to petroleum: Lewis, 1372.
origin: Lewis, 1371.
Indiana: Logan, 1403.
Ontario: Keele, 1137.
Washington: Wilson, 2494.
Shore lines. *See also* Beaches; Terraces.
North Carolina, Cape Hatteras: Rude, 1923.

Shore lines (abandoned). *See* Glacial lakes; Terraces.
Shrinkage of the earth: Stille, 2148.
Silica.
Canada, eastern: Cole, 400.
General: Katz, 1131.
Pennsylvania: Moore, 1615.
Solution and precipitation in cold water: Lovering, 1424.
Silurian. *See also* Paleontology, Silurian. *For Lower Silurian see* Ordovician.
Alabama, Clinton formation: Aldrich, 18.
Arkansas: Miser, 1591.
Hot Springs district: Purdue, 1784.
British Columbia, Beaverfoot-Brisco-Stanford Range: Walcott, 2357.
General: Ulrich, 2311.
Greenland, Peary Land: Koch, 1289.
Illinois, Mississippi Valley: Krey, 1293.
Indiana: Logan, 1401.
Iowa, Lake Calvin region: Schoewe, 1985.
Kentucky, east central: Foerste, 696.
Mackenzie, Franklin Mountains: Williams 2473.
Mackenzie River between Norman and Beaver River: Hume, 1013.
Maine: Perkins, 1736.
Maryland: Prouty, 1781; Swartz, 2178, 2179.
Michigan, Salina formation: Vanderwilt, 2322,
Missouri: Wilson, 2497.
Mississippi Valley: Krey, 1293.
Nevada: Keyes, 1192.
Newfoundland, Notre Dame Bay: Sampson. 1942.
New Hampshire, Ammonoosuc district: Ross, 1913.
New York, Clinton formations: Ulrich, 2312.
Nova Scotia, Arisaig area: McLearn, 1462.
Oklahoma, southern Ouachita Mountains: Honess, 975.
Stonewall quadrangle: Morgan, 1632.
Ordovician-Silurian boundary: Jones, 1116.
Pennsylvania: Swartz, 2182.
Tennessee: Nelson, 1659.
Virginia, Wise and northern Scott counties: Eby, 621.
West Virginia, Mineral and Grant counties: Reger, 1839.
Wisconsin: Ulrich, 2315; Thwaites, 2245.
Silver.
Alaska, Chitina Valley: Moffit, 1603.
Kotsina-Kuskulana district: Moffit, 1602.
Arizona: Heikes, 901.
Chloride and Kingman, origin of ores: Bastin, 93.
Ray quadrangle: Ransome, 1792.
British Columbia, Coquihalla area: Cairnes, 281.
Salmon River district: Banks, 76; Schofield, 1988.
Stewart district: Dolmage, 573.
California: Hill, 931.
Shasta County, South Fork district: Tucker, 2287.
Canada: Wilson, 2489.
Central States: Dunlop, 602, 606.
Silver—Continued.
Colorado: Henderson, 906, 911.
Aspen: Bastin, 94.
Bonanza, Eagle mine, secondary enrichment: Wuensch, 2549.
Creede district: Emmons, 650; Hills, 943; Ring, 1878.
Eastern States: Dunlop, 601, 605.
General: Dunlop, 600, 604.
Idaho: Gerry, 737, 739.
Shoshone County: Umpleby, 2316.
Massachusetts, Newburyport: Green, 796.
Montana: Gerry, 741.
Nevada: Heikes, 895, 899.
Jarbidge district: Schrader, 1990.
Rochester district: Knopf, 1280.
Tonopah: Budelman, 250.
New Mexico: Henderson, 904, 909.
Ontario: McGill, 1455.
Cobalt district: Bateman, 102; Bell, 122, 123; Cole, 398.
Cobalt and South Lorraine areas: Knight, 1277.
South Lorrain: Bell, 121, 124.
Oregon: Hill, 932.
South Dakota: Henderson, 907.
Texas: Henderson, 905, 910.
Utah: Heikes, 900.
Park City district: McKay, 1456.
Tintic: Havenor, 867.
Washington: Gerry, 738, 740.
Wyoming: Henderson, 908.
Yukon, Beaver River area: Cockfield, 395.
Mayo district: Cockfield, 394, 396.
Sink holes.
Kentucky: Jillson, 1088.
western: Jillson, 1069.
Tennessee, central: Bassler, 91.
Sketching case, use in geologic work: Waring, 2393.
Slate: Loughlin, 1418, 1421.
Slides. *See also* Landslides.
Kentucky, Letcher County: Jillson, 1070.
Smackover oil field, Arkansas: Bell, 120; Schneider, 1981.
Soapstone: Ladoo, 1296; Sampson, 1943; Stoddard, 2154.
Societies. *See* Associations.
Sodium salts.
Saskatchewan: Cole, 405.
Western Canada: Cole, 404.
Sodium sulphate: Wells, 2427.
Soil transport through the air: Keyes, 1235.
Soils.
New Hampshire, Coos County: Crosby, 477.
Soil surveys, development: Bushnell, 267.
Wisconsin, Jackson County: Whitson, 2461.
Outagamie County: Whitson, 2459.
Rock County: Whitson, 2460.
Solar cyclonic explanation of glaciation: Huntington, 1029.
Sooke formation, Vancouver Island, fauna: Clark, 345.
"Soot" in coal: Scheffel, 1978.
South Carolina.
Economic geology.
Mineral resources: Calhoun, 285.

South Carolina—Continued.
Paleontology.
Capybara: Hay, 877.
Cetacean, Xenoruphus, Berkeley County: Kellogg, 1142.
Eutrephoceras, Eocene: Reeside, 1829.
Oligocene sea turtles: Hay, 878.
Turtle, Eocene marl: Hay, 877.
South Dakota.
Areas described.
Lead region: Paige, 1698.
Economic geology.
Geologic features and oil possibilities: Wilson, 2506.
Gold, silver, and lead: Henderson, 907.
Homestake ore bodies: Hosted, 983.
Homestake ores, Lead: Paige, 1697, 1698.
Mineral resources: Ward, 2391.
Oil and gas prospects, southern Perkins County: Moulton, 1642.
Oil possibilities, eastern Harding County: Toepelman, 2260.
northern Dewey County: Wilson, 2504.
Ziebach County: Wilson, 2505.
Portland cement materials: O'Harra, 1678.
Sand and gravel deposits, eastern South Dakota: Rothrock, 1916.
Historical geology.
Cretaceous-Eocene transition beds: Thom, 2212.
Dewey County: Wilson, 2504.
Geological section: Keyes, 1182.
Haakon County, southern, field conditions: Ward, 2392.
Harding County: Toepelman, 2260.
Lance formation: Ward, 2390.
Lance-Fox Hills contact: Dobbin, 566.
Lead area: Hosted, 983; Paige, 1697.
Minnekahta limestone: O'Harra, 1678.
Oreodon beds: Sinclair, 2067.
Perkins County, southern part: Moulton, 1642.
White River beds, stratigraphy: Wanless, 2387.
Ziebach County: Wilson, 2505.
Paleontology.
Eporeodons, White River beds: Thorpe, 2241.
Ganoid fish, Lower Cretaceous: Gregory, 809.
Oreodon beds faunas: Sinclair, 2067.
Perchoerus skulls, White River formation: Pearson, 1731.
Physical geology.
Chalcedony pseudomorphs, Big Badlands: Honess, 973.
Dome structures: Ward, 2388.
Mud cracks, Missouri River flood plain: Ward, 2389.
Sandstone dikes and chalcedony veins in White River Oligocene: Lawler, 1332.
Physiographic geology.
Missouri River channel, age: Todd, 2259.
Physiographic features: Visher, 2347.
Southwestern South Dakota: King, 1271.
South Lorrain silver district, Ontario: Bell, 124.
South Mountain oil field, Ventura County, California: Hudson, 1007.
Spokane glaciation, Washington, age: Bretz, 210.
Spongiae.
Dictyosponge, Chautauqua County, New York: Clarke, 363.
Iowa, glass sponges: Thomas, 2218.
Spring Hill-Sarepta gas field, Webster and Bossier parishes, Louisiana: Ponton, 1764.
Springs.
Missouri, Ozarks, periodic springs: Bridge, 212.
Stalagmites and stalactites, growth: Allison, 31.
Stone: Loughlin, 1416, 1420, 1422. *See also* Building stone.
Stratigraphic geology. *See* Historical geology.
Stream capture.
Indiana, Greencastle area: Smith, 2074.
Missouri, Ozarks, subterranean: Dake, 492.
South Dakota: Visher, 2347.
Strike, determination: Higgins, 925.
Stromatoporoidea.
Iowa, Iowa City: Thomas, 2222.
Strontium: Stose, 2161, 2165.
Structural geology. *See* Physical geology.
Structural materials. *See* Building stone; Clay; etc.
Study and teaching. *See also* Educational.
Education of a geologist: Brock, 215.
Education of the geologist: Lindgren, 1380.
Stylolites: Dale, 497.
Origin: Stockdale, 2151.
Subsidence: Rice, 1858. *See also* Changes of level.
Subterranean water. *See* Underground water.
Sulphur: Jenison, 1054; Meyer, 1553.
Sunburst oil and gas field, Montana: Hager, 831.
Surveys.
Canada, Geological Survey, report: Collins, 425.
Florida, State geologist's report, 1922–1923: Gunter, 825.
Jamaica, Government geologist's report: Matley, 1494.
Kentucky, Geological Survey, Rept., 1922–23: Jillson, 1064.
Michigan, history of surveys: Allen, 26, 27.
Mississippi, report of director: Lowe, 1426.
Missouri, report State geologist 1921–22: Buehler, 252.
New Jersey, State geologist's report, 1921–23: Kümmel, 1294.
North Carolina, State geologist, biennial report 1921–22: Pratt, 1771.
Pennsylvania, work in 1919–22: Ashley, 46.
Tennessee, report of State geologist, 1921–2: Nelson, 1654.
United States Geological Survey, annual report, 1922–23, 1923–24: Smith, 2077, 2078.
Vermont, geological work, 1810–1923: Perkins, 1737.
Wisconsin, Geological and Natural History Survey, report 1920–22: Hotchkiss, 985.
Wyoming, State geologist's report, 1922–24: Bartlett, 82.
Sweetland black shales, stratigraphic position: Keyes, 1189.
Tables of formations. *See* Geologic formations, tables.
Taconic question: Keyes, 1191, 1193.

Talc.
Canada: Eardley-Wilmot, 611.
General: Ladoo, 1296; Sampson, 1943; Stoddard, 2154.
Tantalum: Hess, 917, 919.
Taylor-Wegener hypothesis: Daly, 505; Lambert, 1313; Taylor, 2196.
Teaching. *See* Educational.
Technique.
Airplane photographs, use in field work: Campbell, 294.
Apparatus for measurement of temperatures in deep wells: Van Orstrand, 2330.
Block diagrams: Lobeck, 1394.
Dip and strike, determination: Higgins, 925.
Eötvös balance for prospecting: Wagner, 2353.
Examination of well borings: Hanna, 850.
Geological features illustrated by models: Huntley, 1033.
Manganese minerals, identification:Fairbanks, 667.
Method for checking index of a liquid: Rutherford, 1933.
Methods for heavy mineral investigations Reed, 1819.
Microchemical reactions: Lindgren, 1385.
Microscopy of anthracite: Turner, 2291.
Mineragraphic technique: Fairbanks, 666.
Oblique illumination in mineragraphy: Myers, 1647.
Opaque ore minerals, determination by X-ray diffraction patterns: Kerr, 1154.
Optic axial angle of minerals, new method for measuring: Johannsen, 1092.
Planetable methods: English, 656.
Polished surfaces of ores: Thiel, 2207.
Protractor for plotting dips: McKinstry, 1460.
Quartz spectograph in mineral analysis: Todd, 2256.
Recording micrometer for rock analysis: Wentworth, 2431.
Rotation apparatus: Kerr, 1156.
Sections of friable rock: Ross, 1911.
Sketching case, use in geologic work: Waring, 2393.
Spectroscopy applied to mineral determination: Douglas, 575.
Stereoscopic photography in geologic fieldwork: Wright, 2544.
Torsion seismometer: Anderson, 34.
Torsional balance: Gradenwitz, 791.
Well samples, care of: Robinson, 1890.
Wentworth recording micrometer, improved: Hunt, 1027.
Tellurium.
General: Heikes, 896, 902.
Occurrence: Lenher, 1363.
Tennessee.
State geologist, report, 1921–1922: Nelson, 1654.
Economic geology.
Appalachian bauxite deposits: Nelson, 1656.
Copper, Ducktown, oxidation and enrichment: Gilbert, 744.
Ducktown copper district: Nelson, 1661.
Holston marble: Dale, 497.
Manganese, eastern Tennessee: Stose, 2159.
Tennessee—Continued.
Magnetic iron ores, eastern Tennessee: Bayley, 106.
Marbles, east Tennessee: Gordon, 1772.
Mascot zinc area: Nelson, 1660.
Mineral resources: Nelson, 1662.
Oil developments, northern Tennessee: Nelson, 1658.
Oil horizons: Nelson, 1659.
Oxidation and enrichment at Ducktown: Gilbert, 744.
Phosphate: Smith, 2089, 2090.
Rutile in titaniferous magnetites: Bayley, 108.
Willow Grove oil field: Jillson, 1071.
Zinc, east Tennessee: Secrist, 2014.
Historical geology.
Central Tennessee: Bassler, 87.
Chattanooga shale, age: Swartz, 2183.
Cheatham County: Jillson, 1073.
Cincinnati anticline, dimensions: Hubbard, 1005.
Eastern highland rim: Bassler, 90.
Eastern Tennessee: Secrist, 2014.
Geologic map: Nelson, 1655.
Mineralogy.
Meteorite, Savannah, Hardin County: Merrill, 1531.
Physical geology.
Emory River overthrust, eastern Tennessee: Jillson, 1067.
Isothrustic structure, Wells Creek Basin: Jillson, 1072.
Sink holes, central Tennessee: Bassler, 91.
Physiographic geology.
Reelfoot Lake: Nelson, 1657.
Terrace plains, middle Atlantic Coastal Plain: Wentworth, 2430.
Terraces. *See also* Beaches; Shore lines.
Coastal Plain terraces, origin and age: Hay, 881.
Labrador, Lake Melville district: Kindle, 1261, 1267.
Northern Great Plains: Alden, 16.
Stream and ocean terraces in relation to recent earth movements: Holway, 972.
West Virginia, Mineral and Grant counties: Reger, 1839.
Tertiary. *See also* Paleontology, Tertiary.
Alaska, Alaska Railroad region: Capps, 301.
Cold Bay-Chignik district: Smith, 2091.
Ruby-Kuskokwim region: Mertie, 1544.
Antigua: Earle, 615.
Arizona, Oatman district: Ransome, 1793.
Verde formation: Jenkins, 1057.
Arkansas: Miser, 1591.
El Dorado oil field: Gilluly, 747.
southern: Schneider, 1981.
British Columbia, Coquihalla area: Cairnes, 281.
Fraser River Delta: Johnston, 1107.
North Thompson Valley: Uglow, 2307.
Skeena River to Stewart: Hanson, 856.
southwestern: Cairnes, 279.
Vancouver Island, Sooke formation: Clark, 345.
Yale district: Cairnes, 282.
Browns Park formation and Bishop conglomerate: Sears, 2011.
Bryn Mawr gravel, Pennsylvania: Bascom, 85.

Tertiary—Continued.
California, Coalinga district: Reed, 1820.
Los Angeles and Ventura counties: Kew, 1159.
Monterey County, Pine Canyon: Stalder, 2129.
Sacramento Valley: Bryan, 239.
Salton Sea region: Brown, 221.
San Lorenzo group: Wagner, 2352.
Santa Ynez River basin: Nelson, 1653.
southern: Kew, 1157.
Ventura County: Taliaferro, 2187.
Caribbean region: Vaughan, 2338.
Colorado: Keyes, 1227.
Creede district: Emmons, 650.
Moffat County: Sears, 2010.
San Juan Basin: Reeside, 1828.
south central: Knowlton, 1286.
Costa Rica: Redfield, 1814.
Cretaceous-Eocene transition beds: Thom, 2212.
General: Vaughan, 2343.
Georgia, Coastal Plain: Prettyman, 1776.
Green River formation, origin: Henderson, 914.
Gulf Coastal Plain: Brantly, 201.
Hayti: Woodring, 2532, 2533.
Honduras: Redfield, 1815.
Idaho, Bingham, Bonneville, and Caribou counties: Kirkham, 1273.
Cassia County, Goose Creek basin: Piper, 1758.
Owyhee County, Bruneau River basin: Piper, 1759.
Payette formation: Buwalda, 274.
Jamaica, Richmond formation: Trechmann, 2268.
Yellow limestone: Trechmann, 2267.
Mackenzie, Franklin Mountains: Williams, 2475.
Mexico, eastern: VerWiebe, 2346.
Tabasco: Jones, 1119.
Vera Cruz, Idolo Island: Dumble, 593.
Mississippi: Morse, 1637.
Montana, Beartooth Mountains: Bevan, 155.
Ekalaka field: Bauer, 105.
Faulted area south of Bearpaw Mountains: Reeves, 1836.
Musselshell and Golden Valley counties: Ellis, 631.
Rosebud County: Renick, 1852, 1854.
Scobey lignite field: Collier, 415.
Tullock Creek coal field: Rogers, 1900.
Nevada: Keyes, 1192.
Jarbidge district: Schrader, 1990.
New Mexico, Raton coal field: Lee, 1311.
San Juan Basin: Reeside, 1828.
North Atlantic Ocean, Tertiary history: Woodring, 2536.
Oregon, Riddle quadrangle: Diller, 564.
Panama Canal Zone: MacDonald, 1445.
Porto Rico, Lares district: Hubbard, 1002.
Ponce district: Mitchell, 1598.
Snake Creek fossil quarries: Matthew, 1504.
Texas, coast deposits: Dumble, 589.
Colorado County: Bailey, 57.
Gulf Coastal Plain: Dumble, 590.
near Rio Grande: Trowbridge, 2272.
McMullen County, Gueydan tuff: Bailey, 58.
Reynosa Escarpment: Jones, 1117.
Tertiary—Continued.
Texas—Continued.
Potter County: Patton, 1728.
Wilcox group: Gardner, 728.
Texas section: Dumble, 594.
Utah: Keyes, 1219.
Green River valley: Reeside, 1827.
southeastern: Longwell, 1404.
Washington, Skagit County: Jenkins, 1059.
Whatcom County: Jenkins, 1058.
West Indies: Vaughan, 2339.
Wyoming, Green River valley: Reeside, 1327.
Sweetwater County: Sears, 2010.
Wind River Mountains: Condit, 433.
Texas.
Geology of dam sites in western Texas: Patton, 1729.
Areas described.
Colorado County: Bailey, 57.
Gulf Coastal Plain near Rio Grande: Trowbridge, 2272.
McLennan County: Adkins, 6.
Potter County: Patton, 1728.
Economic geology.
Alkali lakes, western Texas: Meigs, 1514.
Amarillo district, oil and gas: Harrison, 861.
Currie oil and gas field, Navarro County: Lahee, 1300.
Faulting and petroleum accumulation at Mexia: Pratt, 1775.
Gas well, Jim Hogg County: Jones, 1118.
Hockley salt dome, Harris County: Chapman, 338.
Luling oil field, Caldwell County: Sellards, 2017.
Mexia, faulting and petroleum accumulation: Pratt, 1773.
Mineral resources: Sellards, 2018.
Minerva oil field, Milan County: Hager, 829.
New Richland oil field, Navarro County, Lahee, 1302.
Northeast Texas petroleum area: Fohs, 701.
Oil and gas in Panhandle: Pratt, 1774.
Petroleum, Luling, Caldwell County: Pratt, 1772.
Potash, western Texas: Mansfield, 1474.
Reynosa Escarpment, oil and gas fields: Jones 1117.
Silver and copper: Henderson, 905.
Silver, copper, and lead: Henderson, 910.
Historical geology.
Big Bend area: Tex., Atty. Gen., 2202.
Borings, Colorado County: Bailey, 57.
Potter County: Patton, 1728.
Culberson County: Udden, 2302.
University Block: Beede, 115.
Cretaceous: Hill, 937.
Gueydan tuff, McMullen County: Bailey, 58.
Gulf Coastal Plain: Dumble, 590.
Igneous rock in wells in Panhandle: Donoghue: 574.
Marine Wilcox: Dumble, 591.
Nacatoch formation: Howe, 998.
Northeast Texas, petroleum area: Fohs, 701.
stratigraphy and structure: Fohs, 700.
Pennsylvanian, north central Texas: Berry, 140.
Red River valley: Sellards, 2016.

Texas—Continued.
Historical geology—Continued.
Tertiary, lower Rio Grande region: Trowbridge, 2273.
Tertiary deposits, foraminiferal guides: Dumble, 589.
Tertiary section: Dumble, 594.
Paleontology.
Anancus, Brazos River: Hay, 877.
Calycophysoides, cucurbitaceous fruit, Tertiary, Foard County: Berry, 144.
Eocene florule, central Texas: Berry, 147.
Ft. Worth area: Winton, 2517.
Gerontic ammonites, Duck Creek formation: Scott, 2006.
Human remains with Pleistocene fossils, Dallas: Shuler, 2057.
Insecta, Eocene: Cockerell, 384.
Miocene vertebrates: Hay, 879.
Mollusca, Eocene, southwestern Texas: Gardner, 727.
Pleistocene fresh-water Mollusca, north central Texas: Hanna, 844.
Plesippus, Blanco formation: Matthew, 1509.
Tortoises, Brazos River: Hay, 877.
Wilcox, marine: Gardner, 728.
Physical geology.
Crystalline rocks of the plains: Gould, 786.
Laminated structure of anhydrite beds: Udden, 2301, 2302.
Northeastern Texas fault zones: Lahee, 1304.
tectonic features: Fohs, 701; Robinson, 1887.
Red River Valley: Sellards, 2016.
Rim rock of High Plains: Udden, 2300.
Physiographic geology.
Classification and nomenclature of physiographic features: Hill, 936.
Red River valley: Hill, 939; Tex., Atty. Gen., 2202.
Sand rivers: Hill, 938.
Textbooks.
Determinative mineralogy: Lewis, 1369.
Field geology: Lahee, 1299.
Geology: Price, 1777; Schuchert, 1994.
Physical geology: Miller, 1586.
Principles of stratigraphy: Grabau, 790.
Structural geology: Leith, 1358.
Thermal currents in oil accumulation: Pepperberg, 1735.
Thermal waters.
Alaska, Valley of Ten Thousand Smokes: Zies, 2562.
Arkansas, Hot Springs district: Bryan, 242; Purdue, 1784.
California, Sonoma County: Day, 542.
General: Sosman, 2103.
Great Basin region: Meinzer, 1519.
Haiti: Brown, 222.
Heat in springs, a physical source of: Adams, 3.
Hot Springs: Sosman, 2102.
Relation of crystallization to water content and vapor pressure of water in a cooling magma: Morey, 1629.
Southeastern Atlantic States: Watson, 2413.
Tin.
British Honduras: Jones, 1120.
General: Johnson, 1094, 1095.
Titanium: Hess, 917, 919.
Tonkawa oil field, Oklahoma: Clark, 349; Hosterman, 984.
Topographic and geologic mapping in Illinois, relation to engineering: DeWolf, 560.
Trails.
Rosetted trails of worms: Clarke, 367.
Travertine: Emig, 649.
Virginia, Augusta County: Collins, 421.
Tree ancestors: Berry, 137.
Triassic. *See also* Paleontology, Triassic.
Alaska, Chitina Valley: Moffit, 1603.
Cold Bay-Chignik district: Smith, 2091.
Kotsina-Kuskulana district: Moffit, 1602.
Arizona, Hopi Buttes volcanic field: Reagan, 1807.
northeastern: Hager, 832.
British Columbia, Bow River section, Banff: Kindle, 1266.
Coquihalla area: Cairnes, 281.
southwestern: Cairnes, 279.
Yale district: Cairnes, 282.
Colorado: Keyes, 1227.
Moffat County: Sears, 2010.
Idaho, Bingham, Bonneville, and Caribou counties: Kirkham, 1273.
Montana: Bauer, 104.
Beartooth Mountains, Bevan, 155.
Nevada: Keyes, 1192.
Rochester district: Knopf, 1280.
Newark system: Hobbs, 953.
Pacific coast: Goranson, 771.
Pennsylvania, southeastern: Stose, 2163.
Texas, Potter County: Patton, 1728.
Utah: Keyes, 1219.
Grand and San Juan counties: Prommel, 1780.
San Juan Canyon: Miser, 1594, 1597.
southeastern: Longwell, 1404.
Virginia, northern basins: Roberts, 1880.
Wyoming, Wind River Mountains: Condit, 433.
Triassic sandstones, petrographic analysis: Roberts, 1882.
Trilobita.
Arkansas, St. Clair limestone: Foerste, 696.
Cambrian and lower Ozarkian: Walcott, 2358.
Dipharus, Boston area, Massachusetts: Clark, 353.
Vermont, northwestern: Raymond, 1804.
Trinidad.
Paleontology.
Lecythidoanthus, fossil flower: Berry, 145.
Tullock Creek coal field, Montana: Rogers, 1900.
Tungsten: Hess, 917, 919.
Turtles. *See* Reptilia.
Twentymile Park district of Yampa coal field, Routt County, Colorado: Campbell, 291.
Unconformities.
Cretaceous-Eocene transition beds: Thom, 2212.
Devonian, Arizona: Keyes, 1171.
Paleozoic systems in Wisconsin: Ulrich, 2315.
Tennessee, Cheatham County: Jillson, 1073.
Washington, Ringold-Ellensburg formations: Jenkins, 1061.

Underground water (general). *For areal see names of States. See also* Geysers; Mineral water; Springs; Thermal water.
Artesian basins of United States: Imbeaux, 1038.
Composition of ocean water: Lane, 1321.
Ground water, relation to ore deposits: Loughlin, 1419.
Ground-water hydrology, with definitions: Meinzer, 1516.
Hot springs: Sosman, 2103.
Hydrated sulphates of magnesia in hot springs: Merwin, 1547.
Hydrologic laboratory: Meinzer, 1518.
Occurrence of ground water: Meinzer, 1515.
Permeability of rocks: Dahlblom, 489; Lahee, 1306.
Water analyses, importance: Lane, 1321.
Ungulata. *See* Mammalia.
United States Geologic Survey, annual report, 1922–23: Smith, 2077; 1923–24: Smith, 2078.
Upper Silurian. *See* Silurian.
Uranium: Hess, 917, 919. *See also* Carnotite.
New Mexico: Keyes, 1172.
Utah.
Coal resin, Hiawatha: Steele, 2139.
San Juan Canyon, southeastern Utah: Miser, 1594, 1597.
Economic geology.
Alunite, Marysvale: Tingley, 2254.
Bingham district: Peterson, 1748.
ores in limestones: Hunt, 1025.
Gold, silver, copper, lead, and zinc: Heikes, 900.
Iron, southern Utah: Rohlfing, 1902.
Natural gas, Farnham: Calvert, 288.
Oil possibilities, Grand and San Juan counties: Prommel, 1780.
Oil shale: Winchester, 2515.
Park City district: McKay, 1456.
Petroleum indications, Uinta Basin: Douglass, 577.
San Juan oil field: Miser, 1597.
Tintic district: Crane, 467; Havenor, 867.
Historical geology.
Bingham district: Peterson, 1748.
Browns Park formation and Bishop conglomerate: Sears, 2011.
Colorado Plateau, southeastern Utah: Longwell, 1404.
General: Keyes, 1219.
Geological traverse, Mohave to San Juan River: Gregory, 802.
Grand and San Jaun counties: Prommel, 1780.
Great Salt Lake basin: Lee, 1342.
Green River valley: Reeside, 1827.
Southeastern Utah: Hager, 832.
Uinta Basin: Douglass, 577.
Mineralogy.
Argentojarosite, Dividend: Schaller, 1977; Schempp, 1979.
Carnotite and tyuyamunite: Hillebrand, 942.
Carnotite region minerals: Hess, 918.
Ilsemannite at Ouray: Hess, 915.
Paleontology.
Diplodocus, skull: Holland, 965.
Dolichorhinus: Peterson, 1747.
Utah—Continued.
Paleontology—Continued.
Dinosaur tracks, Cretaceous: Peterson, 1749.
Uinta Carnivora, White River: Thorpe, 2236.
Uintasaurus, Uinta County: Holland, 964.
Petrology.
Limestone alterations at Bingham: Winchell, 2511.
Physical geology.
Colorado Plateau, structural features: Moore, 1621.
Contact metamorphism at Bingham: Lindgren, 1384.
Débris of desert torrents: Pack, 1694.
Grand and San Juan counties: Prommel, 1780.
Physiographic geology.
Great Salt Lake basin: Lee, 1342.
Green and Yampa rivers, origin: Sears, 2011.
Lake Bonneville, origin: Keyes, 1180.
Paria River valley, southern Utah: Moore, 1622.
Rainbow natural bridge: Miser, 1593.
Terrepleins of plateaus, geological age: Keyes, 1164.
Zion Canyon National Park: Miller, 1584.
Underground water.
Thermal springs: Meinzer, 1519.
Valleys.
Shapes of valleys, representation: Lane, 1318.
Vanadium: Hess, 917, 919.
Veins.
Box vein, Lyonsdale, Lewis County; Dale, 494.
Ladder veins, Minnesota: Grout, 817.
South Dakota, chalcedony veins: Lawler, 1332.
Ventura oil field, Ventura County, California: Craddock, 466.
Verden sandstone, Oklahoma: Reed, 1818.
Vermes. *See also* Invertebrates (general).
Ontario, Toronto area: Parks, 1711.
Rosetted trails of worms: Clarke, 367.
Vermont.
Geological work in Vermont, 1810–1923: Perkins, 1737.
Areas described.
Orange County, Randolph Township: Richardson, 1863.
Orleans County, Westmore, Brownington, and Charleston townships: Jacobs, 1043.
Economic geology.
Granite: Dale, 495.
Mineral resources: Perkins, 1738, 1740.
Historical geology.
Bethel Township: Richardson, 1864.
Cambrian, northwestern Vermont: Keith, 1139.
Chazyan coral reef: Raymond, 1805.
Fort Cassin: Foyles, 714.
Grand Isle County: Perkins, 1739.
Northwestern Vermont: Raymond, 1804.
Ordovician formations: Foyles, 713.
Shoreham and Bridport: Foyles, 714.
Western Vermont: Gordon, 773, 774.
Whitingham area: Hubbard, 1004.
Paleontology.
Fort Cassin: Foyles, 714.
Trilobites, Cambrian and Ordovician: Raymond, 1804.

Vermont—Continued.
Petrology.
Orange County, Randolph Township: Richardson, 1863.
Orleans phyllite: Jacobs, 1043.
Whitingham area: Hubbard, 1004.
Physical geology.
Fault systems, northern Champlain Valley: Hudson, 1008.
Faulting, western Vermont: Gordon, 773.
Glacial varves, Connecticut Valley, summer deposition: Sayles, 1973.
Mineralization along the dikes of southern Vermont: Bray, 202.
Vertebrata (general). *See also* Amphibia; Aves; etc.
Chiropterygium, primitive: Gregory, 807.
Exploration for vertebrates: Grinnell, 814.
Nebraska, western, Agate Spring quarries: Peterson, 1743.
Ordovician: Tieje, 2248.
Oreodon beds faunas, South Dakota: Sinclair, 2067.
Progress and trends in vertebrate paleontology: Matthew, 1506.
Vieques Island: Vaughan, 2339.
Virgin Islands: Vaughan, 2339.
Virginia.
Areas described.
Wise and northern Scott counties: Eby, 021.
Economic geology.
Clinton hematite ores, origin: Stose, 2166.
Coal, southwestern Virginia: Davenport, 513.
Copper deposits: Watson, 2412.
Emery deposits: Watson, 2410.
Mineral resources: Watson, 2414.
Oil and gas possibilities, southwestern Virginia: Eby, 622.
Historical geology.
Black shale, southwestern Virginia: Stose, 2164.
Jurassic ? intrusives: Roberts, 1881.
Triassic basins of northern Virginia: Roberts, 1880.
Mineralogy.
Intrusive Triassic diabase, Goose Creek, Loudoun County: Shannon, 2030.
Meteorite, Dungannon, Scott County: Merrill, 1530.
Sharps, Richmond County: Watson, 2411.
Petrology.
Intrusive Triassic diabase, Goose Creek, Loudoun County: Shannon, 2030.
Jurassic ? intrusives: Roberts, 1881.
Triassic sandstones: Roberts, 1882.
Physical geology.
Thrust fault in Appalachians: Campbell, 293.
Travertine deposits, Augusta County: Collins, 421.
Underground water.
Thermal springs: Watson, 2413.
Volcanic ash.
Cordilleran region: Wanless, 2387.
Iowa, Des Moines: Keyes, 1163.
Louisiana, northern: Crider, 471.
Minnesota, Ordovician: Sardeson, 1960.
Oklahoma, North Canadian Valley: Gardner, 725.
Saskatchewan, Waldeck: Cole, 403.
Volcanism. *See also* Volcanoes
General: Day, 535; Soley, 2098.
Progress: Day, 538.
Volcanoes. *See also* Volcanism.
Alaska, Katmai region, fumaroles: Allen, 25.
California, Mt. Lassen: Colburn, 397.
Guatemala: Van de Putte, 2320.
St. Maria Volcano: Waitz, 2354.
Hawaiian: Jaggar, 1044.
Irazu, Costa Rica: Tristán, 2271.
Katmai, Alaska, eruption, 1912: Tams, 2188.
Valley of Ten Thousand Smokes, floor: Cole, 399.
fumarolic incrustations: Zies, 2560.
moving pictures: Fenner, 676.
tuff deposits: Escher, 658; Fenner, 675; Griggs, 812.
Kilauea, Hawaiian Islands, :Day, 540.
activity: Jaggar, 1045.
eruptions, May, 1924, and seismic sequences: Finch, 691.
explosive eruptions: Sherzer, 2051.
explosive eruption, 1924: Jaggar, 1046
Mexico, San Martin Tuxtla area: Friedlaender, 719.
Washington.
Areas described.
Whatcom County, western: Jenkins, 1058.
Economic geology.
Arsenic, Seattle district: Stoess, 2155.
Clays, geology: Glover, 761.
Clays and shales: Wi son, 2494.
Coal: Evans, 661.
Skagit County: Jenkins, 1059.
Coal fields, western Whatcom County: Jenkins, 1058.
Gold, silver, copper, lead ,and zinc: Gerry, 738, 740.
Kaolin and feldspar: Wilson, 2493.
Lead deposits, Pend Oreille and Stevens counties: Jenkins, 1060.
Mineral resources: Shedd, 2045.
Historical geology.
Columbia River basalt: Shannon, 2024.
Mesozoic formations: Goranson, 771.
Orcas group, Devonian: McLellan, 1464.
Skagit County: Jenkins, 1059.
Spokane: Shannon, 2024.
Unconformity between Ringold and Ellensburg formations: Jenkins, 1061.
Mineralogy.
Columbia River basalt: Shannon, 2024.
Paleontology.
Beetle near Spokane: Cockerell, 389.
Callianassa and Ranina, Oligocene: Withers, 2521.
Cretaceous Mollusca: Reagan, 1806.
Eocene fauna: Weaver, 2417.
Foraminifera, Eocene, Lewis County: Hanna, 851.
Rimella-like gastropods: Clark, 346.
Physical geology.
Glacier National Park, movement of glaciers: Alden, 14.
Physiographic geology.
Dalles type of river channel: Bretz, 208.
Drainage changes: Large, 1328.
Eastern Washington: Shedd, 2044.

Washington—Continued.
Physiographic geology—Continued.
Glacial drainage on Columbia Plateau: Bretz, 206.
Okanogan trench and its delta terraces: Keyes, 1180.
Scablands of Columbia Plateau: Bretz, 207.
Spokane glaciation, age: Bretz, 210.
Watabeag area, Ontario: Wright, 2541.
Water, underground. *See* Underground water.
Waves, breaking in shallow water: MacClintock, 1443.
Weathering.
Agricultural aspects of rock weathering: Hunt, 1024.
Colloidal products of rock weathering, distribution: Wallace, 2380.
Wegener hypothesis: Washington, 2403.
Well records. *See* Borings.
Well samples, care of: Robinson, 1890.
West Indies (general). *See also names of islands.*
Barbados: Wilmore, 2487.
Economic geology.
Petroleum reserves: Redfield, 1812.
Historical geology.
British Virgin Islands: Earle, 617.
Cayman Islands, geological survey: Matley, 1500.
Windward and Leeward islands: Earle, 616.
Paleontology.
Balanocrinus, Tertiary: Springer, 2114.
Flora: Hollick, 968.
Physical geology.
Formation of the Lesser Antilles: Davis, 527.
West Virginia.
Areas described.
Mineral and Grant counties: Reger, 1839.
Tucker County: Reger, 1838.
Economic geology.
Mineral resources: White, 2455.
Historical geology.
Devonian: Price, 1779.
Permian coal swamps: Tilton, 2252.
Paleontology.
Footprints, amphibian: Lull, 1434.
Mississippian faunas: Girty, 756.
Physical geology.
Arches Fork anticline, Roane and Calhoun counties, subsurface structural features: Cottingham, 455.
White River beds, South Dakota, stratigraphy: Wanless, 2387.
Wind work.
Denudation of the desert: Keyes, 1224.
Eolian abrasion of quartz grains: Knight, 1279.
General: Bryan, 241; Keyes, 1161, 1230, 1235, 1238.
Locus of wind deposition: Keyes, 1170.
Wisconsin.
Geological and Natural History Survey, report 1920–22: Hotchkiss, 985.
Geological Survey, biennial report: Wis. Geol. Survey, 2518.
Soils, Jackson County: Whitson, 2461.
Outagamie County: Whitson, 2459.
Rock County: Whitson, 2460.
Wisconsin—Continued.
Economic geology.
Baraboo ganister deposits: Hotchkiss, 988.
Gogebic Range: Hotchkiss, 986, 989.
Lead and zinc ores: Spurr, 2122.
Magnetic surveying on copper-bearing rocks: Aldrich, 17.
Historical geology.
Borings: Thwaites, 2245.
General: Twenhofel, 2293.
Geological section: Keyes, 1182.
Gogebic Range: Hotchkiss, 986.
Lake Superior geosyncline: Hotchkiss, 990
Paleozoic rocks in deep wells: Thwaites, 2245.
Paleozoic systems and breaks between them: Ulrich, 2315.
Southern Wisconsin: Thurston, 2244.
Mineralogy.
Marcasite, Racine dolomite: Cook, 436.
Paleontology.
Black River Brachiopoda: Fenton, 678.
Physiographic geology.
Driftless Area: Martin, 1487.
Intercision, Pike River, Kenosha: Ball, 68.
Wolframite. *See* Tungsten.
Wyoming.
Report of State geologist, 1922–24: Bartlett, 82.
Areas described.
Sweetwater County: Sears, 2010.
Economic geology.
Elk Basin oil field, faulting: Estabrook, 659.
Gold, silver, and copper: Henderson, 908.
Green River coal deposits: Van Lennep, 2326.
Light oils in the Rocky Mountain region, origin: Geis, 734.
Oil and gas developments, Laramie and Medicine Bow districts: Bartlett, 81.
Oil and gas occurrences: Estabrook, 660.
Oil and gas prospects, Sweetwater County: Sears, 2010.
Oil and gas sands, texture: Melcher, 1521.
Oil fields, Rawlins-Lost Soldier district: Krampert, 1290.
Oil shale: Winchester, 2515.
Oil saturation in certain sandstones: Ruby, 1922.
Petroleum: Lupton, 1436.
Hanna Basin and Red Desert: Krampert, 1291.
possibilities near Osage field: Anon., 2568.
southern Wyoming: Bartram, 84.
Phosphate near Lander: Condit, 433.
Salt Creek oil field, water conditions in First Wall Creek sand: Nowels, 1674.
Teapot Dome: Wheeler, 2439.
Historical geology.
Browns Park formation and Bishop conglomerate: Sears, 2011.
Dakota group: Lee, 1339.
Green River valley: Reeside, 1827; Van Lennep, 2326.
Lost Soldier-Ferris district: Fath, 670.
Pre-Cambrian glaciation: Blackwelder, 163.
Rawlins-Lost Soldier district: Krampert, 1290.
Wasatch and Green River formations, relations: Sears, 2012.
Wind River Mountains: Condit, 433.

Wyoming—Continued.
Paleontology.
Alga, Fuson oil shale: Bradley, 191.
Apatemys, Bridger Basin: Troxell, 2280.
Bridger Carnivora: Thorpe, 2235.
Caddice fly cases, Green River formation: Bradley, 190.
Cretaceous Mollusca: Reagan, 1806.
southeastern Wyoming: Reeside, 1825.
Crocodilian, Wasatch beds: Mook, 1612.
Green River flora: Knowlton, 1285.
Herpetotherium marsupium, Bridger Basin: Troxell, 2281.
Merycochoerus: Thorpe, 2240.
Ophioglossum, Tertiary, Tipperary: Cockerell, 390.
Ophioglossum hastatiforme=Danaea coloradensis: Berry, 148.
Oreodons of Lower Harrison beds: Loomis, 1409.
Pauromys, Bridger formation: Troxell, 2277.
Plants, Triassic: Berry, 150.
Rodentia, Eocene: Troxell, 2279.
Sparganium, Eocene: Berry, 152.
Physical geology.
Elk Basin oil field, faulting: Estabrook, 659.
Fuson oil shale: Bradley, 191.
Physiographic geology.
Green and Yampa rivers, origin: Sears, 2011.
Yellowstone National Park.
Geysers: Darton, 510.
Temperatures in springs and geysers: Van Orstrand, 2331.
Yukon.
Areas described.
Keno Hill, Mayo district: Cockfield, 394.
Economic geology.
Mayo district: Cockfield, 393, 396.
Silver-lead deposits, Beaver River area: Cockfield, 395.
Southern Yukon: Cockfield, 392.
Yukon—Continued.
Historical geology.
Southern Yukon: Cockfield, 392.
Paleontology.
Equus lambei: Hay, 877.
Zinc.
Arizona: Heikes, 901.
British Columbia: Robinson, 1885.
East Kootenay district: Whittemore, 2463.
California: Hill, 931.
Central States: Dunlop, 602, 606.
Colorado: Henderson, 911.
Eastern States: Dunlop, 601, 605.
General: Siebenthal, 2060, 2062.
Idaho: Gerry, 737, 739.
Shoshone County: Umpleby, 2316.
Missouri: Keyes, 1178.
Montana: Gerry, 741.
Nevada: Heikes, 895, 899.
New Jersey, Franklin Furnace district: Salton, 1939.
New Mexico: Henderson, 904, 909.
New York, Edwards: Spurr, 2123.
St. Lawrence County: Wade, 2351.
Pennsylvania: Miller, 1573; Pennsylvania G. S., 1734.
Quebec, Gaspe Peninsula: Beidelman, 117.
Tennessee, east: Secrist, 2014.
Mascot area: Nelson, 1660.
Upper Mississippi Valley: Spurr, 2122.
Utah: Heikes, 900.
Washington: Gerry, 738, 740.
Zirconium: Ries, 1876.

LISTS.

(The numbers refer to entries in bibliography).

CHEMICAL ANALYSES.

Actinolite, 2398.
Akerite, 2395.
Alaskite, 679.
Analcite, 1910.
Albite, 28, 2377.
Alkali, 401.
Allanite, 2369.
Alnoite, 1486, 2131.
Amblygonite, 2377.
Amphibole, 7, 2033.
Andalusite, 1733.
Andesite, 1793, 2399.
Anhydrite, 1871.
Anorthosite, 2079.
Aplite, 1280.
Apophyllite, 1723, 2030.
Aragonite, 1573.
Argento-jarosite, 1979.
Asbestos, 98, 1698.
Augite, 74.
Axinite, 2369.
Babingtonite, 2405.
Barbierite, 28.
Barrandite, 2028.
Basalt, 856, 970, 2399, 2400, 2401, 2402, 2412.
Bauxite, 257, 1637, 1656.
Benjaminite, 2029.
Bentonite, 257, 1656.
Biotite, 60, 819.
Biotite gneiss, 60.
Biotite granite, 816.
Bravoite, 249.
Braunite, 2203.
Brine, 2169.
Buchite, 174.
Calcite, 1910, 2366.
Canbyite, 868.
Carnotite, 918, 942.
Cassinite, 28.
Centrallasite, 705.
Cerusite, 2360.
Chapmanite, 2372.
Chert, 1839, 1942, 2204.
Chlorate, 1698.
Chlorite, 1910.
Chlorophoenicite, 707.
Clay, 15, 127, 257, 818, 1137, 1839, 2167, 2169, 2204, 2365, 2382, 2387.
Clinozoisite, 1899.
Coal, 291, 432, 582, 609, 621, 688, 759, 872, 883, 1058, 1076, 1341, 1458, 1461, 1466, 1838, 1839, 2035, 2091, 2169.
Coal resin, 2139.
Collophane, 1896.
Columbite, 641, 2369.
Concretions, 673.
Copiapite, 1976.
Core from boring, 174.
Cummingite, 1698.
Cyrtolite, 641, 2367.
Dawsonite, 567.
Diabase, 1881, 2030.
Diabase (altered), 1277.
Diabase aplite, 2030.
Diopside, 7.
Diorite, 564, 975, 1792.
Dolomite, 496, 1728.
Drillite, 2042.
Dunite, 1761.
Ellsworthite, 641, 2366.
Emery, 2410.
Enstatite, 2398.
Epidote, 230.
Fire clay, 1839.
Fossil bone, 1896, 2016.
Gabbro, 106, 1277, 1761, 2001, 2400.
Gahnite, 2027.
Ganophyllite, 1330.
Garnet, 60, 280, 567.
Garnet rock, 60.
Gersdorffite, 2031.
Gneiss, 65, 2383.
Granite, 281, 495, 945, 1047, 1280, 1792, 1863, 2001, 2395, 2410.
Granite gneiss, 60.
Granoblast, 2001.
Granodiorite, 1792, 2412.
Greenstone, 281, 564, 2001.
Greenstone schist, 2412.
Gypsum, 2469.
Halite, 1871.
Hastingsite, 2033, 2379.
Hatchettolite, 641, 2367.
Hausmannite, 2203.
Heulandite, 1910.
Hisingerite, 868, 2003.
Hornblende, 74, 1698.
Hornblendite, 724.
Hudsonite, 2033.
Huronite, 2371.
Hydromagnesite, 1894.
Hypersthene, 2398.
Hypoperthite, 28.
Iron ore, 106, 866, 1839, 2178, 2559.
Iron ore, titaniferous, 108.
Iron sandstone, 2178.
Jefferisite, 2361.
Kaolin, 1137, 1656.

Kempite, 1898.
Kimberlite, 1486.
Koswite, 1761.
Landsfordite, 1763.
Lanthanite, 1573.
Latite, 1793.
Laumontite, 2030.
Lepidolite, 2377.
Leuchtenbergite, 2026.
Lignite, 105, 1656.
Limburgite, 1486.
Limestone, 59, 432, 496, 567, 1384, 1792, 1838, 1839, 2169.
Limonite, 1598.
Loellingite, 2373.
Loess, 1275.
Magnesite, 62, 565, 1895.
Magnetite pegmatite, 816.
Malchite, 174.
Manganapatite, 2377.
Manganite, 2203.
Marble, 497.
Margarite, 2032.
Meta-torbernite, 918.
Meteorites, 1530, 1534, 2411.
Mine waters, 915, 1719.
Molybdenite ore, 2498.
Mordenite, 1910, 2365.
Mud, 2342.
Mullite, 176.
Muscovadite, 2001.
Natural gas, 288, 1854.
Niter, 2136.
Nordmarkite, 2395.
Norite, 2349.
Norite micropegmatite, 1276.
Novaculite, 1784.
Oil shale, 634, 784, 2515.
Okaite, 2131.
Oligoclasite, 2399.
Olivine, 74, 1486.
Olivine diabase, 2043.
Olivine gabbro, 2001.
Orthoclase, 28.
Pargasite, 1863.
Peat, 37, 38.
Pectolite, 1723.
Pegmatite, 1581.
Pentlandite, 249.
Peridotite, 564, 1486.
Petroleum, 670, 1679.
Phosphate rock, 2040.
Phyllite, 1043.
Plagioclase, 74.
Platinum ore, 1761.
Porphyry, 1792, 1793.
Priceite, 704.
Psilomelane, 2203.
Pyrolusite, 2203.
Pyroxene, 7, 2030.
Quartz diorite, 174.
Quartz monzonite, 469, 2079.
Quartz syenite, 2498.
Quartzite, 65, 988, 1615.
Rauvite, 918.
Rhyolite, 650, 1990.
Sand, 65, 1275.
Sand barite rosettes, 2041.
Sandstone, 57, 400, 2545.
Sandstone, molybdiferous, 915.
Sandstone, vanadiferous, 918.
Schist, 1792, 2410.
Scorodite, 1485.
Serpentine, 281, 1598.
Shale, 673, 794, 1000, 1137, 1275, 1678, 1728, 1838, 1839, 1980, 2204, 2387.
Siderite, 2024.
Silica sand, 400.
Sillimanite, 2369.
Skutterudite, 2373.
Slate, 988, 1698, 2204.
Stilpnomelane, 820.
Sussexite, 1762.
Syenite, 2541.
Talc, 1296.
Thomsonite, 781, 1754.
Thuringite, 650.
Trachyte, 1280, 1793, 2400.
Trevorite, 2370.
Tridymite latite, 650.
Tuff, 975.
Tyuyamunite, 918, 942.
Uraninite, 641, 2376.
Uraninites, 643.
Vesuvianite, 567.
Volcanic glass, 569.
Water, 94, 161, 359, 650, 686, 815, 1517, 1698, 1784, 1854, 2427.
Water, thermal, 2413.
Xanthoconite, 1722.
Xonotlite, 1329, 2000.
Zinc ore, 1573, 2014.
Zinnwaldite, 2377.
Zippeite, 918.

MINERAL ANALYSES

Actinolite, 2509.
Amphibolite, 2509.
Andesite, 2399.
Anorthosite, 2079.
Anthophyllite, 2509.
Barkevikite, 2509.
Basalt, 970, 2399, 2400, 2401.
Biotite gneiss, 60.
Collophane, 1896.
Cossyrite, 2509.
Diabase, 2030, 2545.
Diabase aplite, 2030.
Diorite, 1583, 2545.
Essexite, 74.
Feldspar, 28.
Gabbro, 2400.
Glaucophane, 2509.
Gneiss, 2545.
Granite, 1583, 2395, 2545.
Granodiorite, 2545.
Greenstone, 2001.
Gruenerite, 2509.
Hornblende, 2509.
Limestone, 60, 1384.
Monzonite, 1583.
Okaite, 2131.
Oligoclasite, 2399.
Pargasite, 2509.

Pyroxenite, 2545.
Quartz monzonite, 2079.
Quartzite, 2545.
Rhyolite, 650.
Syenite, 1583, 2541, 2545.
Trachyte, 2400.
Tremolite, 2509.
Tridymite latite, 650.

MINERALS DESCRIBED [1]

Actinolite, 2398, 2530.
Aegirite, 782.
Akermanite, 2512.
Alabandite, 2203.
Albite, 782, 2377, 2530.
Allanite, 2369.
Altaite, 2231.
Amblygonite, 2377.
Amphibole, 2033.
Analcite, 1910.
Ancylite, 782.
Andalusite, 1733.
Anhydrite, 1871.
Antimony, 1009.
Apatite, 782.
Aphthitalite, 2427.
Apophyllite, 1723.
Aragonite, 1009, 2024.
Argentojarosite, 1977, 1979.
Axinite, 2369.
Babingtonite, 2405.
Baddeleyite, 1876.
Barite, 485, 2024.
Barrandite, 2028.
Benjaminite, 2029.
Biotite, 819.
Bisbeeite, 778.
Bismuth, 1009.
Bixbyite, 2203.
Bloedite, 2427.
Bornite, 823.
Braunite, 2203.
Bravoite, 249.
Calaverite, 2231.
Calciothomsonite, 780.
Calcite, 485, 567, 775, 1009, 1910, 2024, 2366.
Canbyite, 868.
Carnotite, 942.
Catapleiite, 702, 782.
Celsitite, 775.
Centrallasite, 705.
Ceruleofibrite, 961.
Chalcophanite, 2203.
Chalmersite, 1545, 1996.
Chapmanite, 2372.
Chlorite, 1910, 2530.
Chlorophoenicite, 707.
Chrsyoberyl, 1701.
Clinozoisite, 1899.
Coloradite, 2231.
Columbite, 2367, 2369.
Connellite, 961.
Copiapite, 1976.
Cordylite, 782.
Corundum, 642.
Cristobalite, 2024.
Crossite, 2530.
Cubanite, 1545.
Cyanite, 2383.
Cyanotrichite, 778.
Cyrtolite, 2367.
Datolite, 780.
Dawsonite, 567.
Diamond, 1009.
Diopside, 567.
Eakleite, 1329.
Ellsworthite, 641, 2366.
Enstatite, 2398.
Epididymite, 782.
Epidote, 230, 567, 2530.
Eudialyte, 782.
Feldspar, 1701.
Ferricalcite, 2024.
Fluorite, 782.
Fluorspar, 485.
Franklinite, 2203.
Gahnite, 2027.
Galena, 485.
Ganophyllite, 1330.
Garnet, 567, 2367.
Gehlenite, 2512.
Germanite, 2230, 2256.
Gersdorffite, 2031.
Glauberite, 2427.
Glaucochroite, 775, 777.
Glaucophane, 2530.
Graphite, 1009.
Halite, 1871.
Hanksite, 2427.
Hastingsite, 2033, 2079.
Hatchettolite, 2367.
Hausmannite, 2203.
Hematite, 2203.
Hessite, 2231.
Heulandite, 1910.
Hisingerite, 868, 2003.
Hodgkinsonite, 780.
Hudsonite, 2033.
Huronite, 2371.
Hydromagnesite, 1894.
Hypersthene, 2398.
Jacobsite, 2203.
Jefferisite, 2361.
Kalithomsonite, 782.
Kempite, 1898.
Krennerite, 2231.
Lansfordite, 1763.
Lawsonite, 2530.
Lepidolite, 2377.
Leuchtenbergite, 2026.
Leverrierite, 195, 1909.
Limonite, 2203.
Loellingite, 2373.
Louisite, 2365.
Magnesite, 565, 1871, 1895.
Magnetite, 2024, 2203.
Manganapatite, 2377.
Manganite, 2203.
Manganosite, 2203.
Marcasite, 436.

[1] The minerals in Eakle, No. 610, are not included in this list.

Margarite, 2032.
Melilite, 2512.
Melonite, 2231.
Meta-torbernite, 918.
Microcline, 2366.
Mirabilite, 2427.
Molybdenum, 915.
Mordenite, 1910, 2365.
Mullite, 176.
Muscovite, 567, 1701, 2530.
Nagyagite, 2231.
Natrolite, 782.
Neptunite, 782.
Niter, 2136.
Oligoclase, 2366.
Opal, 2024.
Parisite, 782.
Pectolite, 1723.
Pennine, 2530.
Pentlandite, 249.
Perofskite, 567.
Petzite, 2231.
Phlogopite, 567.
Phosgenite, 2360.
Plagioclase, 2024.
Polydymite, 249, 1383.
Priceite, 704.
Psilomelane, 2203.
Pyrite, 52, 485, 1009, 2024, 2458.
Pyrolusite, 2203.
Pyrrhotite, 2366.
Quartz, 485, 960, 962, 2366, 2513.
Rauvite, 918.
Remingtonite, 2034.
Rickardite, 2231.
Rinkite, 782.
Rose quartz, 962.
Sarcolite, 2512.
Sarcopside, 963.
Scapolite, 567, 1700, 2510.
Scorodite, 1485.
Searlesite, 1897.
Siderite, 2024.
Sillimanite, 177, 2369.
Smithsonite, 485.
Sodium chloride, 1009.
Sphalerite, 485, 1009.
Stannite, 1999.
Stephanite, 2025.
Stilpnomelane, 820.
Struvite, 1699.
Stützite, 2231.
Sussexite, 1762.
Sylvanite, 2231.
Sylvite, 1871.
Tephroite, 777.
Tetradymite, 2231.
Thenardite, 2427.
Thomsonite, 779, 781, 1754, 2441.
Titanite, 2366, 2530.
Trevorite, 2370,
Tyuyamunite, 918, 942.
Uraninite, 1581, 2376.
Vanadinite, 2135.
Vanoxite, 918.
Vesuvianite, 567.
Wavellite, 776.
Willemite, 775.
Witherite, 722,
Wolframite, 2203.
Wollastonite, 567.
Wurtzite, 1009.
Xanthoconite, 1722.
Xonotlite, 1329, 2000.
Zinnwaldite, 2377.
Zippeite, 918.
Zircon, 782, 1701, 1876, 2366.

ROCKS DESCRIBED

Alnoite, 1486, 2131, 2132.
Amphibolite, 1048, 1698, 1913.
Andesine-gabbro, 74.
Andesite, 650, 686, 1002, 1598, 1792, 2399.
Anorthosite, 2079.
Aplite, 1280, 2232.
Augite porphyrite, 1598.
Augitite, 2232.
Basalt, 564, 650, 970, 1280, 1792, 2399, 2400, 2401, 2402.
Breccia, 2530.
Camptonite, 1930.
Dacite, 686, 1792, 2232.
Diabase, 1598, 1881, 2232, 2545.
Diabase-gabbro, 74.
Diorite, 74, 686, 1598, 1792, 1863, 2545.
Dunite, 1761.
Felsite, 686.
Gabbro, 686, 1048, 1761, 2400.
Gabbro-diorite, 74.
Gneiss, 1913, 2545.
Granite, 686, 1048, 1280, 1698, 1792, 1863, 2232, 2395, 2545.
Granodiorite, 2232, 2545.
Greenstone, 564.
Keratophyre, 1280.
Kimberlite, 1486.
Koswite, 1761.
Lamprophyre, 1930.
Latite, 650.
Metadiorite, 1280.
Okaite, 2131.
Oligoclasite, 2399.
Pegmatite, 1698, 2272.
Peridotite, 564, 1863.
Phyllite, 1043, 1863.
Polzenite, 175.
Porphyry, 564, 650, 1002, 1792, 1930, 2232.
Prasinites, 2530.
Pyroxenite, 1761, 1863, 2545.
Quartz-albite schist, 2530.
Quartz diorite, 1598.
Quartz monzonite, 469.
Quartz schist, 2530.
Quartzite, 2232, 2530, 2545.
Rhyolite, 564, 650, 686, 1280, 2232.
Saxonite, 564.
Schist, 1792, 2232.
Serpentine, 564, 1002.
Syenite, 1048, 1863, 2545.
Trachy-andesite, 1598.
Trachyte, 1280, 2400.
Tuff, 686, 1280, 1598.
Wehrlite, 74.

GEOLOGIC FORMATIONS DESCRIBED

Abitibi River limestone, Devonian, Ontario: Kindle, 1262.
Ackerman clay, Eocene, Mississippi: Morse, 1637.
Ackerman division, Eocene, Mississippi: Lowe, 1427.
Ackerman formation, Eocene, Mississippi: Burchard, 257; Vaughn, 2343.
Ada formation, Pennsylvanian, Oklahoma: Morgan, 1632, 1633, 1634.
Adamsian, pre-Cambrian: Keyes, 1174.
Adolphus limestone, Cambrian, British Columbia: Burling, 260.
Aftonian deposits, Pleistocene, Iowa: Schoewe, 1985.
Agathla sandstone, Triassic, Arizona: Hager, 832.
Agathla shale, Triassic, Arizona: Hager, 832.
Alamosa terrane, Tertiary, Colorado: Keyes, 1227.
Alazan clay, Oligocene, Mexico: Vaughan, 2343.
Alazan formation, Eocene, Mexico: VerWiebe, 2346.
Alazan shales, Eocene, Mexico: Dumble and Applin, 593.
Alboroto group, Miocene, Colorado: Emmons and Larsen, 650.
Alboroto formation, Tertiary, Colorado: Knowlton, 1286.
Albright limestone, Pennsylvanian, Maryland: Swartz, 2177.
Albright limestone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Alcyone trachyte, Tertiary, Arizona: Ransome, 1793.
Alexandrian group, Silurian: Ulrich and Bassler, 2311.
Alexandrian series, Silurian, Missouri and Illinois: Krey, 1293.
Alger clay, Silurian, Kentucky: Foerste, 696.
Algomic, pre-Cambrian: Keyes, 1174.
Alibates dolomite, Permian, Texas: Patton, 1728.
Allegheny formation, Pennsylvanian, Maryland: Swartz, 2177.
Allegheny formation, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Allegheny group, Pennsylvanian, Pennsylvania: Renick, 1851.
Allegheny series, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Allison formation, Cretaceous, Alberta: Keyes, 1242; Rose, 1908.
Almy formation, Tertiary, Colorado: Keyes, 1227.
Alum Bluff formation, Miocene, Georgia: Prettyman and Cave, 1776.
Alum Bluff group, Miocene, Florida: Vaughan, 2343.
Amargosan series, Tertiary, Nevada: Keyes, 1192.
Amazonia limestone bed, Pennsylvanian, Missouri: Wilson, 2497.
Ames limestone, Pennsylvanian, Ohio: Condit, 432; Stout and Lamborn, 2169.
Ames limestone and shale, Pennsylvanian, Maryland: Swartz, 2177.
Ames limestone and shale, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Amisk series, pre-Cambrian, Manitoba: Armstrong, 42.
Amsden formation, Mississippian, Wyoming: Condit, 433.
Amsden formation, Pennsylvanian(?), Montana: Bauer and Robinson, 104.
Amsden formation, Pennsylvanian, Wyoming: Fath and Moulton, 670.
Anamosa dolomite member, Silurian, Iowa: Schoewe, 1985.
Anguilla formation, Oligocene, Anguilla, West Indies: Vaughan, 2343.
Anianic, pre-Cambrian: Keyes, 1174.
Anianic period, pre-Cambrian, Colorado: Keyes, 1227.
Animas formation, Tertiary(?), New Mexico: Reeside, 1828.
Animikie group, pre-Cambrian, Minnesota: Gruner, 822.
Annona chalk, Cretaceous, Arkansas: Schneider, 1981.
Annona chalk, Cretaceous, Arkansas and Louisiana: Hull, 1011.
Antietam quartzite, Cambrian, Pennsylvania: Knopf and Jonas, 1282; Stose, 2163.
Antietam schist, Cambrian, Pennsylvania: Jonas, 1112.
Antigua formation, Miocene, Antigua: Earle, 615.
Antigua formation, Oligocene, Antigua, West Indies: Vaughan, 2343.
Apache group, Cambrian, Arizona: Ransome, 1792.
Apache sandstone, Arizona: Hager, 832.
Apishapa terrane, Cretaceous, Colorado: Keyes, 1227.
Aquia formation, Eocene, Virginia: Vaughan, 2343.
Arbuckle limestone, Cambrian and Ordovician, Oklahoma: Morgan, 1632.
Archaeozoic time, pre-Cambrian: Young, 2554.
Archeluta terrane, Tertiary, Colorado: Keyes, 1227.
Arctomys formation, Cambrian, Alberta: Walcott, 2355.
Arecibo group, Tertiary, Porto Rico: Hubbard, 1002.
Arikaree(?), Miocene(?), Montana: Bauer, 105.
Arikaree(?) formation, Miocene (?), South Dakota: Toepelman, 2260.
Arikaree terrane, Tertiary, Colorado: Keyes, 1227.
Arisaig series, Silurian, Nova Scotia: McLearn, 1462.
Arkadelphia formation, Cretaceous, Arkansas: Howe, 996; Miser, 1591; Schneider, 1981.
Arkadelphia formation, Cretaceous, Arkansas and Louisiana: Howe, 996, 997.
Arkadelphia formation, Cretaceous, Texas: Fohs, 701.
Arkansas novaculite, Devonian, Arkansas: Miser, 1591; Purdue and Miser, 1784.
Arkansas novaculite, Devonian, Oklahoma: Honess, 975.
Arriban series, Tertiary, Colorado: Keyes, 1227.
Artibonite group, Miocene, Haiti: Vaughan, 2343; Woodring, 2533.
Asher formation, Permian, Oklahoma: Morgan, 1632.
Ashland series, Alabama: Prouty, 1782.
Athabasca series, pre-Cambrian, Saskatchewan: Allan and Cameron, 22.
Athens shale, Ordovician, Tennessee: Gordon, 772; Secrist, 2014.
Atoka formation, Pennsylvanian, Arkansas: Miser, 1591.

Atoka formation, Pennsylvanian, Oklahoma: Morgan, 1632.
Atwater Creek shale, Ordovician, New York: Ruedemann and Ehlers, 1927.
Aubreyan series, Carboniferous, Colorado: Keyes, 1227.
Austin chalk, Cretaceous, Arkansas: Miser, 1591.
Austin formation, Cretaceous, Texas: Adkins, 6; Fohs, 701; Sellards, 2017.
Aux Vases sandstone, Mississippian, Illinois: Shaw, 2035.
Aux Vases sandstone, Mississippian, Missouri: Wilson, 2497.
Aylmer limestone, Ordovician, Ontario: Wilson, 2498.
Aylmer shale, Ordovician, Ontario: Wilson, 2498.
Aztecan series, Tertiary, Colorado: Keyes, 1227.
Bailey limestone, Devonian, Missouri: Tansey, 2189; Wilson, 2497.
Bainbridge limestone, Silurian, Missouri: Wilson, 2497.
Baitoa formation, Miocene, Dominican Republic: Vaughan, 2343.
Bakerville gabbro, pre-Cambrian, North Carolina: Bayley, 106.
Bald Mountain lake beds member, Tertiary, Nevada: Ferguson, 679.
Baltimore gneiss, pre-Cambrian, Maryland: Jonas, 1113.
Baltimore gneiss, pre-Cambrian, Maryland and Pennsylvania: Knopf and Jonas, 1282.
Banff limestone and dolomite, Devonian, British Columbia: Kindle, 1266.
Banff shale, Mississippian, British Columbia: Kindle, 1266.
Banffian series, Devonian, Alberta: Keyes, 1242.
Barnes conglomerate, Cambrian, Arizona: Ransome, 1792.
Barnwell formation, Eocene, Georgia: Prettyman and Cave, 1776.
Barton red shale, Pennsylvanian, Maryland: Swartz, 2177.
Barton sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Barton sandstone, Pennsylvanian, West Virginia: Reger, 1839.
Bashi formation, Eocene, Alabama: Vaughan, 2343.
Bashi (Woods Bluff) formation, Eocene, Mississippi: Morse, 1637.
Bas Obispo formation, Tertiary, Panama Canal Zone: MacDonald, 1445.
Basswood granite, pre-Cambrian, Minnesota: Schwartz, 2001.
Bastion, pre-Cambrian: Keyes, 1174.
Batesville sandstone, Mississippian, Arkansas: Miser, 1591.
Bear Creek shale, Silurian, New York: Ulrich and Bassler, 2312.
Bear Mountain formation, Silurian, Mackenzie: Hume, 1013.
Bearpaw shale, Cretaceous, Montana: Collier, 415; Ellis and Meinzer, 631: Reeves, 1836; Rogers and Lee, 1900.
Bear River formation, Jurassic (?), British Columbia: Dolmage, 568.
Bear River series, Carboniferous, British Columbia: Uglow, 2305.
Beaumont clay, Pleistocene, Texas: Trowbridge, 2272.
Beaumont formation, Pleistocene, Texas: Bailey, 57.
Beauvais sandstone, Devonian, Missouri: Wilson, 2497.
Beaver Bend limestone, Mississippian, Indiana: Logan, 1402.
Beaverfoot formation, Silurian (?), British Columbia: Walcott, 2355, 2357.
Beaver River group, Pennsylvanian, Pennsylvania: Renick, 1851.
Beavertail limestone, Devonian, Mackenzie: Hume, 1013, 1016.
Beavertown marl, Silurian, Ohio: Foerste, 696.
Bechler formation, Cretaceous, Idaho: Kirkham, 1273.
Beech Creek formation, Mississippian, Indiana: Logan, 1402.
Beechhill formation, Silurian, Nova Scotia: McLearn, 1462.
Beekmantown, Ordovician, Quebec: Bradley, 188.
Beekmantown, Ordovician, Vermont: Foyles, 713.
Beekmantown formation, Ordovician, Ontario: Wright, 2545.
Beekmantown formation, Ordovician, Quebec and Ontario: Wilson, 2498.
Beekmantown formation, Ordovician, Vermont: Foyles, 714.
Beekmantown limestone, Ordovician, Pennsylvania: Stose, 2163; Stose and Jonas, 2160.
Belfast bed, Silurian, Ohio: Foerste, 696.
Bell Springs, Permian, Wyoming: Fath and Moulton, 670.
Belle City limestone, Pennsylvanian, Oklahoma: Morgan, 1632, 1633, 1634.
Bellyan series, Cretaceous, Alberta: Keyes, 1242.
Beloit formation, Ordovician, Wisconsin and Minnesota: Sardeson, 1960.
Belt series, pre-Cambrian, Montana: Wilson *et al.*, 2507.
Belt terrane, Algonkian, Montana: Freeman, 717.
Belvidere formation, Cretaceous, Kansas: Twenhofel, 2295.
Bennington limestone, Comanchean, Oklahoma: Bullard, 254.
Benson formation, Cretaceous, British Columbia: Goranson, 771.
Benton formation, Cretaceous, Alberta: Rose, 1908.
Benton shale, Cretaceous, Montana: Bauer, 105.
Benwood limestone, Pennsylvanian, Maryland: Swartz, 2177.
Benwood limestone, Pennsylvanian, Ohio: Condit, 432.
Berkshire schist, Vermont: Gordon, 774.
Berland River shales, Cretaceous, Alberta: MacVicar, 1466.
Bethany Falls limestone, Pennsylvanian, Iowa: Tilton, 2253.
Bethany Falls limestone, Pennsylvanian, Missouri: Wilson, 2497.
Bethel sandstone, Mississippian, Kentucky: Weller, 2426.
Big Buffalo series, Ordovician, Wisconsin: Thwaites, 2245.
Big Elk sandstone, Cretaceous, Montana: Bauer and Robinson, 104.

Bigford formation, Eocene, Texas: Trowbridge, 2272, 2273.
Bigfork chert, Ordovician, Arkansas: Miser, 1591; Purdue and Miser, 1784.
Bigfork chert, Ordovician, Oklahoma: Honess, 975.
Bighorn dolomite, Cambrian, Wyoming: Condit, 433.
Bighorn dolomite, Ordovician, Montana: Bevan, 155.
Bighorn formation, Cretaceous, Alberta: Allan and Rutherford, 21, 24.
Big Stone Gap shale, Devonian and Carboniferous, Virginia: Eby (Stose), 621; Stose, 2164.
Big Thompson schists, pre-Cambrian, Colorado: Fuller, 721.
Bingen formation, Cretaceous, Arkansas: Miser, 1591; Miser and Ross, 1592.
Birmingham red shale, Pennsylvanian, Maryland: Swartz, 2177.
Birmingham shale, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Bisher formation, Silurian, Ohio: Foerste, 696.
Bisher member, Silurian, Kentucky: Foerste, 696.
Bisher member, Silurian, Ohio: Ulrich and Bassler, 2312.
Bishop conglomerate, Tertiary, Colorado: Sears, 2010.
Bishop conglomerate, Tertiary, Wyoming: Sears, 2011.
Bishop sandstone, Jurassic, Colorado: Keyes, 1227.
Bitter Creek group, Tertiary, Colorado: Keyes, 1227.
Biwabik formation, pre-Cambrian, Minnesota: Gruner, 822.
Black Creek formation, Cretaceous, North Carolina: Stephenson, 2143.
Black Hill shale, Cretaceous, Kansas: Twenhofel, 2295.
Black River formation, Ordovician, Ontario: Wilson, 2498.
Black River formation, Ordovician, Vermont: Foyles, 714.
Black River group, Ordovician, Wisconsin: Thwaites, 2245.
Blackstone formation, Cretaceous, Alberta: Allan and Rutherford, 21, 24.
Blackwater shale and limestone, Pennsylvanian, West Virginia: Reger, 1838.
Blaine gypsum, Permian, Oklahoma: Gould, 788.
Blakely sandstone, Ordovician, Arkansas: Miser, 1591; Purdue and Miser, 1784.
Blakely sandstone, Ordovician, Oklahoma: Honess, 975.
Blaylock sandstone, Silurian, Arkansas: Miser, 1591; Purdue and Miser, 1784.
Blaylock sandstone, Silurian, Oklahoma: Honess, 975.
Bloomsburg red sandstone member, Silurian, Maryland: Swartz, 2178.
Bloomsburg red shale, Silurian, West Virginia: Reger, 1839.
Blossom formation, Cretaceous, Arkansas: Schneider, 1981.
Blossom sand, Cretaceous, Arkansas and Louisiana: Hull, 1011.
Blount group, Ordovician, Tennessee: Gordon, 772.
Blue Cut shale, Cretaceous, Kansas: Twenhofel, 2295.
Blue Gate sandstone, Cretaceous, Utah: Longwell *et al.*, 1404.
Bluegate terrane, Cretaceous, Colorado: Keyes, 1227.
Boggy formation, Pennsylvanian, Oklahoma: Morgan, 1632, 1633.
Bohio conglomerate, Tertiary, Panama Canal Zone: MacDonald, 1445.
Bois d'Arc limestone, Devonian, Oklahoma: Morgan, 1632.
Bokchito formation, Comanchean, Oklahoma: Bullard, 254.
Bolivar clay, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Bolivar fire clay, Pennsylvanian, West Virginia: Reger, 1839.
Bonilla formation, Miocene, Costa Rica: Redfield, 1814.
Bonne Terre formation, Cambrian, Missouri: Wilson, 2497.
Boone chert, Mississippian, Oklahoma: Trager, 2264.
Boone formation, Mississippian, Arkansas: Miser, 1591.
Boone formation, Mississippian, Missouri: Wilson, 2497.
Border conglomerates, Triassic, Virginia: Roberts, 1880.
Bossardville limestone, Silurian, West Virginia: Reger, 1829.
Bosworth formation, Devonian, Mackenzie: Hume, 1013.
Bosworth sandstone and shale, Devonian, Mackenzie: Hume, 1016.
Bosworthian series, Cambrian, Alberta: Keyes, 1242.
Boundary Bay formation, Tertiary, British Columbia: Johnston, 1107.
Bowden formation, Miocene, Jamaica: Vaughan, 2343.
Bowling Green dolomite, Silurian, Missouri and Illinois: Krey, 1293.
Bowling Green member, Silurian, Missouri: Wilson, 2497.
Brainard shales, Ordovician, Iowa: Thwaites, 2245.
Brandywine formation, Pleistocene, Pennsylvania and Maryland: Bascom, 85.
Brassfield limestone, Silurian, Arkansas: Miser, 1591.
Brassfield limestone, Silurian, Indiana: Logan, 1401.
Brassfield limestone, Silurian, Kentucky, Ohio, and Indiana: Foerste, 696.
Brazer limestone, Mississippian, Idaho: Kirkham, 1273; Piper, 1760.
Brazil division, Pennsylvanian, Indiana: Logan, 1402.
Bridger formation, Tertiary, Colorado: Sears, 2010.
Bridgerian series, Tertiary, Colorado: Keyes, 1227.
Brigham quartzite, Cambrian, Idaho: Piper, 1760.
Brisco formation, Silurian, British Columbia: Walcott, 2357.
Bristol series, pre-Cambrian, Quebec: Wilson, 2498.

POLITECHNIKA GDAŃSKA ZAKŁAD GEOLOGII

Bristow shale and sandstones, Mississippian, Indiana: Logan, 1402.
Brito beds, Eocene, Costa Rica: Redfield, 1814.
Brock shale, Triassic, California: Goranson, 771.
Brockville granite, pre-Cambrian, Ontario: Wright, 2545.
Brookville clay, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Brownian series, Tertiary, Colorado: Keyes, 1227.
Browns Park formation, Tertiary, Colorado: Sears, 2010.
Browns Park formation, Tertiary, Utah and Colorado: Sears, 2011.
Brownstown formation, Cretaceous, Arkansas: Schneider, 1981.
Brownstown marl, Cretaceous, Arkansas: Miser, 1591; Miser and Ross, 1592.
Brule terrane, Tertiary, Colorado: Keyes, 1227.
Brush shales and sandstones, Jurassic, Colorado: Keyes, 1227.
Brush Creek clay, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Brush Creek limestone and shale, Pennsylvanian, Maryland: Swartz, 2177.
Brush Creek limestone and shale, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Brush Creek limestone and shale, Pennsylvanian, West Virginia: Regar, 1838, 1839.
Bryant limestone, Ordovician, Missouri: Keyes, 1171.
Bryn Mawr gravel, Pliocene, Pennsylvania and Maryland: Bascom, 85.
Buckingham series, pre-Cambrian, Quebec: Wilson, 2498.
Buda formation, Comanchean, Texas: Adkins, 6.
Buda formation, Cretaceous, Texas: Fohs, 701; Sellards, 2017.
Buffalo sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Buffalo sandstone, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Buffalo sandstone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Buffalo Wallow shales, Mississippian, Indiana: Logan, 1402.
Bullhead Mountain formation, Cretaceous, British Columbia: McLearn, 1461.
Bull Run shales, Triassic, Virginia: Roberts, 1880.
Burgen sandstone, Ordovician, Oklahoma: Edson, 624.
Burgoon sandstone member, Mississippian, Pennsylvania: Butts, 270.
Burke formation, Algonkian, Idaho: Umpleby and Jones, 2316.
Burlingame limestone, Pennsylvanian, Iowa: Tilton, 2253.
Burlington limestone, Mississippian, Missouri: Wilson, 2497.
Burlington (Lower) formation, Mississippian, Iowa: Schoewe, 1985.
Burlington-Keokuk limestone, Mississippian, Missouri and Illinois: Krey, 1293.
Burrard formation, Eocene, British Columbia: Johnston, 1107.
Burroughs dolomite, Silurian, Illinois: Thwaites, 2245; Ulrich, 2315.
Bushberg sandstone, Mississippian, Missouri: Wilson, 2497.
Byram calcareous marl, Oligocene, Mississippi: Vaughan, 2343.
Byron formation, Silurian, Wisconsin: Thwaites, 2245.
Cabo Rojo stage, Quaternary, Porto Rico: Hubbard, 1002.
Cache Creek formation, Carboniferous, British Columbia: Cairnes, 279, 281.
Caddo formation, Comanchean, Oklahoma: Bullard, 254.
Cadwallader series, Triassic, British Columbia: Goranson, 771.
Caimito formation, Tertiary, Panama Canal Zone: MacDonald, 1445.
Calhoun shale, Pennsylvanian, Missouri: Wilson, 2497.
Callaway limestone, Devonian, Missouri: Branson, 199, 200; Krey, 1293; Wilson, 2497.
Caloosahatchee marl, Pliocene, Florida: Vaughan, 2343.
Calvert formation, Miocene, Maryland: Vaughan, 2343.
Calvin sandstone, Pennsylvanian, Oklahoma: Morgan, 1632.
Cambridge limestone, Pennsylvanian, Ohio: Condit, 432; Stout and Lamborn, 2169.
Cambridge limestone, Pennsylvanian, West Virginia: Reger, 1839.
Cambridge shale, Pennsylvanian, Maryland: Swartz, 2177.
Camden series, Tertiary, Arkansas: Howe, 996.
Campbell Mountain rhyolite, Miocene, Colorado: Emmons and Larsen, 650.
Campbell Mountain rhyolite, Tertiary, Colorado: Knowlton, 1286.
Caney shale, Carboniferous, Oklahoma: Girty and Roundy, 757.
Caney shale, Mississippian, Oklahoma: Morgan, 1632.
Cannon limestone, Ordovician, Tennessee: Nelson, 1658.
Cannon limestone, Ordovician, Virginia: Eby (Stose), 621.
Cannonball marine member, Cretaceous or Eocene, Northern Great Plains: Thom and Dobbin, 2211.
Canyon Largo terrane, Tertiary, Colorado: Keyes, 1227.
Cape Dauphin formation, Pennsylvanian, Nova Scotia: Bell, 128.
Caprina limestone, Cretaceous, Mexico: VerWiebe, 2346.
Carbondale formation, Pennsylvanian, Illinois: Shaw, 2035.
Cardenas formation, Cretaceous, Mexico: VerWiebe, 2346.
Cardiff conglomerate, pre-Cambrian, Maryland and Pennsylvania: Knopf and Jonas, 1282.
Caribbean limestone, Tertiary, Panama Canal Zone: MacDonald, 1445.
Cariboo series, pre-Cambrian(?), British Columbia: Uglow, 2305.
Carlile shale, Cretaceous, Montana: Reeside, 1826.
Carlile shale, Cretaceous, Wyoming: Fath and Moulton, 670.

Carlile terrane, Cretaceous, Colorado: Keyes, 1227.
Carlinville limestone member, Pennsylvanian, Illinois: Shaw, 2035.
Carmichael sand, Pennsylvanian, Oklahoma: Hosterman, 984.
Carrizo sandstone, Eocene, Texas: Berry, 142; Trowbridge, 2272.
Carsonian series, Quaternary, Nevada: Keyes, 1192.
Carterville formation, Mississippian, Missouri: Wilson, 2497.
Casanna schists, California: Woodford, 2530.
Caseyville formation, Pennsylvanian, Kentucky: Weller, 2426.
Cason shale, Ordovician, Arkansas: Miser, 1591.
Cassada Garden gravels, Miocene, Antigua: Earle, 615.
Castile gypsum, Permian, Texas: Udden, 2302.
Catahoula sandstone, Oligocene, Louisiana: Vaughan, 2343.
Catahoula sandstone, Oligocene, Mississippi: Lowe, 1427.
Catalina metamorphic facies of the Franciscan series, California: Woodford, 2530.
Cathedral Bluffs member, Tertiary, Colorado: Sears and Bradley, 2012.
Cathedralian series, Cambrian, Alberta: Keyes, 1242.
Catheys limestone, Ordovician, Virginia: Eby (Stose), 621.
Catskill series, Devonian, West Virginia: Reger, 1838, 1839.
Caulfeild formation, Paleozoic (?), British Columbia: Johnston, 1107.
Cayuga limestone, Silurian, Virginia: Eby (Stose), 621.
Cayugan series, Silurian: Ulrich and Bassler, 2311.
Cayugan series, Silurian, Maryland: Swartz, 2178.
Cedar Cliff limestone lens, Silurian, Maryland: Swartz, 2178.
Cedar Creek limestone, Pennsylvanian, Iowa: Tilton, 2253.
Cedar District formation, Cretaceous, British Columbia: Goranson, 771.
Cedar Valley formation, Devonian, Iowa: Schoewe, 1985.
Cedar Valley limestone, Devonian, Illinois: Savage, 1964.
Cedar Valley stage, Devonian, Iowa: Thomas, 2217.
Cedarville sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Cedarville sandstone, Pennsylvanian, West Virginia: Reger, 1839.
Cement terrane, Ordovician, Colorado: Keyes, 1227.
Cement City limestone member, Pennsylvanian, Missouri: Wilson, 2497.
Cercado formation, Miocene, Dominican Republic: Vaughan, 2343.
Cerro formation, Pleistocene, Colorado: Atwood and Mather, 50.
Cerro Gordo substage, Devonian, Iowa: Fenton and Fenton, 677.
Cerros de Sal formation, Miocene, Dominican Republic: Vaughan, 2343
Chaco terrane, Tertiary, Colorado: Keyes, 1227.
Chacra terrane, Cretaceous, Colorado: Keyes, 1227.
Chadron terrane, Tertiary, Colorado: Keyes, 1227.
Chainman terrane, Devonian, Nevada: Keyes, 1192.
Chaman series, Tertiary, Colorado: Keyes, 1227.
Champion shell bed, Cretaceous, Kansas: Twenhofel, 2295.
Chancellorian series, Cambrian, Alberta: Keyes, 1242.
Chanute shale, Pennsylvanian, Iowa: Tilton, 2253.
Chanute shale, Pennsylvanian, Missouri: Wilson, 2497.
Chaquaqua terrane, Jurassic, Colorado: Keyes, 1227.
Charlton formation, Pliocene(?), Georgia: Prettyman and Cave, 1776.
Chattahoochee formation, Oligocene, Florida: Vaughan, 2343.
Chattahoochee formation, Oligocene, Georgia: Prettyman and Cave, 1776.
Chattanooga shale, Devonian, Arkansas: Miser, 1591.
Chattanooga shale, Mississippian, Oklahoma: Trager, 2264.
Chazy formation, Ordovician, Ontario: Wilson, 2498.
Chazy formation, Ordovician, Vermont: Foyles, 714.
Chemung series, Devonian, West Virginia: Reger, 1838, 1839.
Chemung shale, Devonian, Virginia: Stose, 2164.
Cherokee shale, Pennsylvanian, Missouri: Wilson, 2497.
Cherry terrane, Ordovician, Nevada: Keyes, 1192.
Cherryvale shale, Pennsylvanian, Iowa: Tilton, 2253.
Cherryvale shale, Pennsylvanian, Missouri: Wilson, 2497.
Cheshire quartzite, Cambrian, Vermont: Keith, 1139.
Chester group, Mississippian, Illinois: Shaw, 2035.
Chester group, Mississippian, Missouri: Wilson, 2497.
Chester series, Mississippian, Kentucky: Weller, 2426.
Cheswalla sandstone, Pennsylvanian, Oklahoma: Rubey, 1920.
Chetang limestones, Cambrian, British Columbia: Burling, 260.
Cheyenne formation, Cretaceous, Kansas: Twenhofel, 2295.
Chickamauga limestone, Ordovician, Tennessee: Secrist, 2014.
Chickasha formation, Permian, Oklahoma: Gould, 788.
Chickies formation, Cambrian, Pennsylvania: Moore and Taylor, 1615.
Chickies quartzite, Cambrian, Maryland and Pennsylvania: Knopf and Jonas, 1282.
Chickies quartzite, Cambrian, Pennsylvania: Stose, 2163.
Chico formation, Cretaceous, California: Bryan, 239; Goranson, 771; Kew, 1157, 1159; Taliaferro, 2187.
Chico formation, Cretaceous, Oregon: Diller and Kay, 564.

96779—27——17

Chicontepec formation, Cretaceous, Mexico: Dumble and Applin, 593.
Chicontepec formation, Eocene, Mexico: VerWiebe, 2346.
Chicontepec formation, Mexico: Cushman and Trager, 486.
Chieftain Hill volcanics, Tertiary, Yukon: Cockfield, 392.
Chignik formation, Cretaceous, Alaska: Smith and Baker, 2091.
Chilliwack batholith, Tertiary, British Columbia: Cairnes, 282.
Chimneyhill limestone, Silurian, Oklahoma: Morgan, 1632.
Chinle formation, Triassic, Arizona: Reagan, 1807.
Chinle formation, Triassic, Colorado: Keyes, 1227.
Chinle formation, Triassic, Utah: Longwell *et al.*, 1404; Miser, 1594, 1597; Prommel, 1780.
Chipola formation, Miocene, Florida: Vaughan, 2343.
Chisik conglomerate, Jurassic, Alaska: Goranson, 771.
Chitina shale, Jurassic, Alaska, Goranson, 771.
Chitistone limestone, Triassic, Alaska: Goranson, 771; Moffit, 1603; Moffit and Mertie, 1602.
Choctawhatchee marl, Miocene, Florida: Vaughan, 2343.
Choptank formation, Miocene, Maryland: Vaughan, 2343.
Chouteau limestone, Mississippian, Missouri: Wilson, 2497.
Chouteau limestone, Mississippian, Missouri and Illinois: Krey, 1293.
Chugwater formation, Permian and Triassic, Wyoming: Fath and Moulton, 670.
Chugwater formation, Triassic(?), Montana: Bauer and Robinson, 104.
Chugwater formation, Triassic, Montana: Bevan, 155.
Chugwater formation, Triassic, Wyoming: Condit, 433.
Chushina formation, Ozarkian, British Columbia: Walcott, 2355.
Cibao limestone, Tertiary, Porto Rico: Hubbard, 1002.
Citronelle formation, Pliocene, Alabama: Vaughan, 2343.
Citronelle formation, Pliocene, Mississippi: Lowe, 1427.
Claiborne formation, Eocene, Arkansas and Louisiana: Teas, 2198.
Claiborne formation, Eocene, Mexico: VerWiebe, 2346.
Claiborne group, Eocene, Alabama: Berry, 142; Vaughan, 2343.
Claiborne group, Eocene, Georgia: Prettyman and Cave, 1776.
Claiborne group, Eocene, Mississippi: Lowe, 1427.
Claiborne group, Eocene, Texas: Trowbridge, 2272.
Claiborne group, Tertiary, Arkansas: Schneider, 1981.
Claiborne stage, Tertiary, Texas: Dumble, 594.
Claggett formation, Cretaceous, Montana: Ellis and Meinzer, 631.
Claggett shale, Cretaceous, Montana: Reeves, 1836; Rogers and Lee, 1900.
Clarion clay, Pennsylvania, Ohio: Stout and Lamborn, 2169.
Clarion formation, Pennsylvanian, Pennsylvania: Renick, 1851.
Clarksburg limestone, Pennsylvanian, Maryland: Swartz, 2177.
Clarksburg limestone, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Clarksburg red shale, Pennsylvanian, Maryland: Swartz, 2177.
Clarksburg red shale, Pennsylvanian, West Virginia: Reger, 1839.
Clarysville sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Clayton formation, Eocene, Alabama: Vaughan, 2343.
Clayton formation, Eocene, Mississippi: Morse, 1637.
Clear Creek chert, Devonian, Missouri: Wilson, 2497.
Clermont shale, Ordovician, Iowa: Thwaites, 2245.
Cliff House sandstone, Cretaceous, Colorado: Reeside, 1828.
Clifty limestone, Devonian, Arkansas: Miser, 1591.
Clinch sandstone, Silurian, Virginia: Eby (Stose), 621.
Clinton formation, Silurian, Virginia: Eby (Stose), 621.
Clinton group, Silurian: Ulrich and Bassler, 2311, 2312.
Clinton group, Silurian, Maryland: Swartz, 2178.
"Clinton" or Neda formation, Ordovician, Wisconsin: Thwaites, 2245.
Clinton series, Silurian, West Virginia: Reger, 1839.
Clore limestone, Mississippian, Illinois: Shaw, 2035.
Clore limestone, Mississippian, Kentucky: Weller, 2426.
Cloud Chief formation, Permian, Oklahoma: Gould, 788.
Cloverly formation, Cretaceous, Montana: Bauer and Robinson, 104; Reeside, 1826.
Cloverly formation, Cretaceous, Wyoming: Fath and Moulton, 670.
Coama tuff limestone, Cretaceous, Porto Rico: Mitchell, 1598.
Coast Range batholith, Jurassic, British Columbia: Dolmage, 568.
Coast Range intrusives, Jurassic-Cretaceous, Yukon: Cockfield, 392.
Cobalt series, pre-Cambrian, Ontario: Wright, 2541.
Cocalico shale, Ordovician, Pennsylvania: Stose, 2163; Stose and Jonas, 2160.
Cochahee sandstone, Pennsylvanian, Oklahoma: Rubey, 1920.
Cockeysville marble, pre-Cambrian, Maryland: Jonas, 1113.
Cockeysville marble, pre-Cambrian, Maryland and Pennsylvania: Knopf and Jonas, 1282.
Cockfield formation, Eocene, Arkansas and Louisiana: Teas, 2198.
Coconino beds, Permian, Arizona: Hager, 832.
Coconino sandstone, Permian, Utah: Longwell *et al.*, 1404; Miser, 1594, 1597.
Coetas formation, Pliocene, Texas: Patton, 1728.
Coetas formation, Tertiary, Texas: Patton, 1728.

Coeymans limestone, Devonian, West Virginia: Reger, 1839.
Colchester formation, Cambrian, Vermont: Keith, 1139.
Colfax series, Jurassic, California: Goranson, 771.
Colgate sandstone member, Cretaceous, Northern Great Plains: Thom and Dobbin, 2211.
Collier shale, Cambrian, Arkansas: Miser, 1591.
Collier shale, Cambrian, Oklahoma: Honess, 975.
Collingwood formation, Ordovician, Ontario and Michigan: Ruedemann and Ehlers, 1927.
Collingwood shale, Ordovician, Ontario and Quebec: Foerste, 697.
Collores limestone, Porto Rico: Fettke, 686.
Colorado group, Cretaceous, Alberta: Allan and Rutherford, 21, 24.
Colorado group, Cretaceous, Montana: Bauer and Robinson, 104.
Colorado shale, Cretaceous, Montana: Bevan, 155; Clark, 348; Ellis and Meinzer, 631; Reeves, 1836.
Coloradan series, Cretaceous, Alberta: Keyes, 1242.
Coloradan series, Cretaceous, Colorado: Keyes, 1227.
Columbia group, Pleistocene, Georgia: Prettyman and Cave, 1776.
Comanchan series, Cretaceous, Colorado: Keyes, 1227.
Comanchean, Kansas: Twenhofel, 2295.
Comanchean system, Mexico: VerWiebe, 2346.
Comanche Peak formation, Comanchean, Texas: Adkins, 6.
Comanche Peak formation, Cretaceous, Texas: Fohs, 701.
Combs terrane, Nevada: Keyes, 1192.
Conasauga shale, Cambrian, Tennessee: Secrist, 2014.
Conejo volcanics, Tertiary, California: Taliaferro, 2187.
Conemaugh formation, Pennsylvanian, Maryland: Swartz, 2177.
Conemaugh formation, Pennsylvanian, Ohio: Condit, 432; Stout and Lamborn, 2169.
Conemaugh series, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Conestoga limestone, Ordovician, Pennsylvania: Knopf and Jonas, 1282; Stose, 2163.
Connellsville sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Connellsville sandstone, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Connellsville sandstone, Pennsylvanian, West Virginia: Reger, 1839.
Connellsville (Lower) sandstone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Connoquenessing formation, Pennsylvanian, Pennsylvania: Renick, 1851.
Connoquenessing (Lower) sandstone, Pennsylvania, Maryland: Swartz, 2177.
Connoquenessing (Lower) sandstone, Pennsylvanian, West Virginia: Reger, 1839.
Connoquenessing (Upper) sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Connoquenessing (Upper) sandstone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Conococheague limestone, Cambrian, Pennsylvania: Stose, 2163; Stose and Jonas, 2160.
Cook Mountain beds, Tertiary, Texas: Dumble, 594.
Cook Mountain formation, Eocene, Texas: Berry, 142; Trowbridge, 2272; Vaughan, 2343.
Cooper limestone, Devonian, Missouri: Branson, 199; Krey, 1293; Wilson, 2497.
Coppermine River series, pre-Cambrian, Arctic Canada: O'Neill, 1682.
Corinth sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Coquihalla series, Tertiary: British Columbia: Cairnes, 279, 281.
Corral formation, Cambrian, Alberta: Keyes, 1242.
Corral sandstone, Cretaceous, Kansas: Twenhofel, 2295.
Corrigan formation, Oligocene, Texas: Bailey, 57.
Corwin series, Jurassic, Alaska: Goranson, 771.
Cotter dolomite, Ordovician, Arkansas: Miser, 1591.
Cotter formation, Canadian, Missouri: Wilson, 2497.
Couchichingan, pre-Cambrian: Keyes, 1174.
Cougarian, pre-Cambrian: Keyes, 1174.
Crab Orchard shale, Silurian, Ohio: Ulrich and Bassler, 2312.
Craghead Creek shale, Devonian, Missouri: Wilson, 2497.
Cranberry formation, Cretaceous, British Columbia: Goranson, 771.
Cranberry granite, pre-Cambrian, North Carolina: Bayley, 106.
Credit member, Ordovician, Ontario: Parks, 1716, 1717.
Creede formation, Miocene, Colorado: Emmons and Larsen, 650.
Creede formation, Tertiary, Colorado: Knowlton, 1286.
Cresaptown iron sandstone, Silurian, Maryland: Swartz, 2178; Ulrich and Bassler, 2312.
Crowsnest volcanics, Cretaceous, Alberta: Rose, 1908.
Crystal Mountain sandstone, Ordovician: Arkansas: Miser, 1591.
Crystal Mountain sandstone, Ordovician (?), Oklahoma: Honess, 975.
Cucaracha formation, Tertiary, Panama Canal Zone: MacDonald, 1445.
Cuchara beds, Tertiary, Colorado: Keyes, 1227.
Culebra formation, Oligocene, Panama Canal Zone: Vaughan, 2343.
Culebra formation, Tertiary, Panama Canal Zone: MacDonald, 1445.
Cullom limestone, Pennsylvanian, Iowa: Tilton, 2253.
Cultus formation, Triassic, British Columbia: Goranson, 771.
Custer granite gneiss, Jurassic, British Columbia: Cairnes, 282.
Cutler formation, Permian, Utah: Prommel, 1780.
Cynthiana limestones, Ordovician, Indiana: Logan, 1401.
Cypress formation, Mississippian, Indiana: Logan, 1402.
Cypress sandstone, Mississippian, Illinois: Shaw, 2035.

Cypress sandstone, Mississippian, Kentucky: Weller, 2426.
Cyrene dolomite, Silurian, Missouri and Illinois: Krey, 1293.
Cyrene member, Silurian, Missouri: Wilson, 2497.
Cyril gypsum, Permian, Oklahoma: Sawyer, 1970.
Dakota formation, Cretaceous, Alberta: Allan and Rutherford, 21.
"Dakota" formation, Cretaceous, Kansas: Twenhofel, 2295.
Dakota sandstone, Cretaceous, Colorado: Reeside, 1828; Sears, 2010.
Dakota sandstone, Cretaceous, Montana: Bauer and Robinson, 104
Dakota (?) sandstone, Cretaceous, Utah: Longwell *et al.*, 1404.
Dakota sandstone, Cretaceous, Wyoming: Bradley, 191.
Dakota terrane, Cretaceous, Colorado: Keyes, 1227.
Darby formation, Cambrian, Wyoming: Condit, 433.
Davenport member, Ordovician, Ontario: Parks, 1716, 1717.
Davenport (Lower) beds, Devonian, Illinois: Savage, 1964.
Davenport (Lower) member, Devonian, Iowa: Schoewe, 1985.
Davenport (Upper) beds, Devonian, Illinois: Savage, 1964.
Davenport (Upper) member, Devonian, Iowa: Schoewe, 1985.
Davis formation, Cambrian, Missouri: Wilson, 2497.
Davis Creek beds, Tertiary, Nevada: Chaney, 335.
Day Creek dolomite, Permian, Oklahoma: Gould, 788; Sawyer, 1970.
Dayton limestone, Silurian, Kentucky and Ohio: Foerste, 696.
De Cew limestone member, Silurian, New York: Ulrich and Bassler, 2312.
De Chelly, sandstone, Carboniferous, Arizona: Reagan, 1807.
De Chelly sandstone, Permian, Arizona: Hager, 832.
De Chelly sandstone, Triassic, Utah: Miser, 1597.
Decorah formation, Ordovician, Iowa: Howell, 1000.
Decorah formation, Ordovician, Missouri: Wilson, 2497.
Decorah shale, Ordovician, Wisconsin: Thwaites, 2245.
Decorah shales, Ordovician, Wisconsin and Minnesota: Sardeson, 1960.
DeCourcy formation, Cretaceous, British Columbia: Goranson, 771.
Deer Creek limestone, Pennsylvanian, Missouri: Wilson, 2497.
Deer River shale, Ordovician, New York: Ruedemann and Ehlers, 1927.
Deese member, Carboniferous, Oklahoma: Girty and Roundy, 757.
Degonia sandstone, Mississippian, Illinois: Shaw, 2035.
Degonia sandstone, Mississippian, Kentucky: Weller, 2426.
De Kalb limestone, Pennsylvania, Iowa: Tilton, 2253.
Del Rio formation, Comanchean, Texas: Adkins, 6.
Del Rio formation, Cretaceous, Texas: Sellards, 2017.
DeNay limestone, Pennsylvanian, Oklahoma: Morgan, 1632.
Denay limestone member, Pennsylvanian, Oklahoma: Morgan, 1634.
Denison formation, Cretaceous, Texas: Fohs, 701.
Denton member, Comanchean, Texas: Adkins, 6.
Denver terrane, Tertiary, Colorado: Keyes, 1227.
De Queen limestone member, Cretaceous, Arkansas: Miser and Ross, 1592.
Derby formation, Cambrian, Missouri: Wilson, 2497.
Desamparados formation, Cretaceous (?), Costa Rica: Redfield, 1814.
Desecheo (Lower) stage, Quaternary, Porto Rico: Hubbard, 1002.
Desecheo (Upper) stage, Quaternary, Porto Rico: Hubbard, 1002.
De Smet formation, pre-Cambrian, South Dakota: Hosted and Wright, 983.
Des Moines formation, Pennsylvanian, Iowa: Howell, 1000.
Des Moines group, Pennsylvanian, Missouri: Wilson, 2497.
Des Moines sandstone, Pennsylvanian, Iowa: Schoewe, 1985.
Devils Lake formation, Cambrian, Wisconsin: Thwaites, 2245.
Dewdney series, Jurassic, British Columbia: Cairnes, 279.
Dewdney Creek series, Jurassic, British Columbia: Cairnes, 281, 282.
Diamond King member, Tertiary, Nevada: Ferguson, 679.
Diamondian series, Carboniferous, Nevada: Keyes, 1192.
Dierks limestone lentil, Cretaceous, Arkansas: Miser and Ross, 1592.
Dinwoody formation, Triassic, Wyoming: Condit, 433.
Dockum beds, Triassic, Texas: Patton, 1728.
Documan series, Triassic, Colorado: Keyes, 1227.
Doe Run formation, Cambrian, Missouri: Wilson, 2497.
Dog Creek shale, Permian, Oklahoma: Gould, 788; Sawyer, 1970.
Doloresian series, Triassic, Arizona: Reagan, 1807.
Doloresian series, Triassic, Colorado: Keyes, 1227.
Domino gneiss, pre-Cambrian, Labrador: Kindle, 1261.
Don River member, Ordovician, Ontario: Foerste, 697.
Dothan formation, Jurassic, Oregon: Diller and Kay, 564.
Double Mer sandstone, Paleozoic, Labrador: Kindle, 1261.
Douglas formation, Pennsylvanian, Missouri: Wilson, 2497.
Douglas stage, Pennsylvanian, Iowa: Tilton, 2253.
Draney limestone, Cretaceous, Idaho: Kirkham, 1273.
Dresbach formation, Cambrian, Wisconsin and Illinois, Thwaites, 2245.
Dripping Spring quartzite, Cambrian, Arizona: Ransome, 1792.

Drum limestone, Pennsylvanian, Missouri: Wilson, 2497.
Dubuque dolomite, Ordovician, Iowa: Thwaites, 2245.
Duchesne shales and limestone, Jurassic, Colorado: Keyes, 1227.
Duck Creek formation, Cretaceous, Texas: Fohs, 701.
Duck Creek member, Comanchean, Texas: Adkins, 6.
Duluth gabbro, pre-Cambrian, Minnesota: Schwartz, 2001.
Duncan sandstone, Permian, Oklahoma: Gould, 788; Sawyer, 1970.
Dundas formation, Ordovician, Ontario: Parks, 1716, 1717.
Dunderbergian series, Cambrian, Nevada: Keyes, 1192.
Duplin marl, Miocene, Georgia: Prettyman and Cave, 1776.
Duplin marl, Miocene, North Carolina: Vaughan, 2343.
Durango stage, Pleistocene, Colorado: Atwood and Mather, 50.
Durbin formation, Silurian, Ohio: Foerste, 696.
Dyer Bay dolomite, Silurian, Ontario: Ulrich and Bassler, 2312.
Eagle diorite, Cretaceous, British Columbia: Cairnes, 281.
Eagle formation, Cretaceous, Montana: Bevan, 155.
Eagle granodiorite, Cretaceous, British Columbia: Cairnes, 279, 282.
Eagle sandstone, Cretaceous, Montana: Bauer and Robinson, 104; Clark, 348; Ellis and Meinzer, 631; Reeside, 1826; Reeves, 1836.
Eagle Ford clay, Cretaceous, Arkansas and Louisiana: Hull, 1011.
Eagle Ford formation, Cretaceous, Arkansas: Schneider, 1981.
Eagleford formation, Cretaceous, Texas: Adkins, 6; Fohs, 701; Sellards, 2017.
East Lynn sandstone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
East Lynn (Upper) sandstone, Pennsylvanian, West Virginia: Reger, 1839.
Eau Claire formation, Cambrian, Wisconsin: Thwaites, 2245.
Eden formation, Ordovician, Ontario: Foerste, 697.
Edgewood formation, Silurian, Missouri: Wilson, 2497.
Edgewood formation, Silurian, Missouri and Illinois: Krey, 1293.
Edwards formation, Comanchean, Texas: Adkins, 6; Fohs, 701; Sellards, 2017.
Egan limestone, Ordovician, Nevada: Keyes, 1220.
Egan terrane, Ordovician, Nevada: Keyes, 1192.
Elbert terrane, Devonian, Colorado: Keyes, 1227.
Elbrook limestone, Cambrian, Pennsylvania: Stose, 2163; Stose and Jonas, 2160.
Elden terrane, Carboniferous, Nevada: Keyes, 1192.
Eldonian series, Cambrian, Alberta: Keyes, 1242.
Eldoradan series, Cambrian, Nevada: Keyes, 1192.
Elgin limestones, Ordovician, Iowa: Thwaites, 2245.
Elgin sand, Pennsylvanian, Oklahoma: Hosterman, 984.
Elgin sandstone, Pennsylvanian, Oaklahoma: Rubey, 1920.
Elk Creek beds, Cretaceous, Kansas: Twenhofel, 2295.
Elko limestone, Cambrian, British Columbia: Walcott, 2357.
Ellensburg formation, Miocene, Washington: Jenkins, 1061.
Ellerslie sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Ellis formation, Cretaceous, Montana: Reeves, 1836.
Ellis formation, Jurassic, Montana: Bevan, 155; Clark, 348.
Ellison formation, pre-Cambrian, South Dakota: Hosted and Wright, 983.
El Pasan series, Ordovician, Colorado: Keyes, 1227.
Elvins formation, Cambrian, Missouri: Wilson, 2497.
Elwren formation, Mississippian, Indiana: Logan, 1402.
Ely greenstone, pre-Cambrian, Minnesota: Schwartz, 2001.
Embar formation, Permian (?), Montana: Bauer and Robinson, 104.
Embar formation, Permian, Wyoming: Fath and Moulton, 670.
Embar formation, Permian and Triassic, Wyoming: Condit, 433.
Eminence formation, Ozarkian, Missouri: Wilson, 2497.
Emperador limestone, Oligocene, Panama Canal Zone: Vaughan, 2343.
Emperador limestone, Tertiary, Panama Canal Zone: MacDonald, 1445.
Endicott sand series, Pennsylvanian, Oklahoma: Hosterman, 984.
English River gritstone member, Mississippian, Iowa: Schoewe, 1985.
Ensenada shale, Cretaceous, Porto Rico: Mitchell, 1598.
Eparchaeozoic interval, pre-Cambrian: Young, 2554.
Ephraim formation, Cretaceous, Idaho: Kirkham, 1273.
Epiproterozoic interval, pre-Cambrian: Young, 2554.
Epworth dolomite, pre-Cambrian, Arctic Canada: O'Neill, 1682.
Equity quartz latite, Miocene, Colorado: Emmons and Larsen, 650.
Equity quartz latite, Tertiary, Colorado: Knowlton, 1286.
Escamela formation, Cretaceous, Mexico: Ver-Wiebe, 2346.
Esmeralda formation, Tertiary, Nevada: Ferguson, 679; Louderback, 1415.
Esperanza trachyte, Tertiary, Arizona: Ransome, 1793.
Estevan beds, Saskatchewan: Sternberg, 2144.
Euphemia dolomite, Silurian, Ohio: Foerste, 696.
Eureka shale, Mississippian, Missouri: Wilson, 2497.
Eureka shales, Mississippian, Missouri: Branson, 199.
Eureka terrane, Ordvician, Nevada: Keyes, 1192.

Eutaw formation, Cretaceous, Georgia: Prettyman and Cave, 1776.
Eutaw formation, Cretaceous, Mississippi: Lowe, 1427; Morse, 1637.
Evanston formation, Cretaceous, Colorado: Keyes, 1227.
Everton formation, Ordovician, Missouri: Wilson, 2497.
Everton limestone, Ordovician, Arkansas: Miser, 1591.
Ewing limestone, Pennsylvanian, Maryland: Schwartz, 2177.
Ewing limestone, Pennsylvanian, West Virginia: Reger, 1838.
Extension formation, Cretaceous, British Columbia: Goranson, 771.
Fairfax limestone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Fairview formation, Cambrian, Alberta: Keyes, 1242.
Fargo limestone, Pennsylvanian, Iowa: Tilton, 2253.
Farley limestone lens, Pennsylvanian, Missouri: Wilson, 2497.
Farmington sandstone member, Cretaceous, New Mexico: Reeside, 1828.
Fayette beds, Tertiary, Texas: Dumble, 594.
Fayette sandstone, Eocene, Texas: Trowbridge, 2272.
Fayetteville shale, Mississippian, Arkansas: Miser, 1591.
Fernando group, Pliocene, California: Kew, 1159.
Fernando group, Pliocene and Pleistocene, California: Kew, 1157.
Fernando group, Tertiary, California: Taliaferro, 2187.
Fern Glen formation, Mississippian, Missouri: Wilson, 2497.
Fern Glen formation, Mississippian, Missouri and Illinois: Krey, 1293.
Fernie formation, Jurassic, Alberta: Allan and Rutherford, 21; Keyes, 1242; Rose, 1908.
Fernie shale, Jurassic, British Columbia: Goranson, 771.
Fernvale limestone, Ordovician, Arkansas: Miser, 1591.
Fernvale limestone, Ordovician, Missouri: Wilson, 2497.
Fisher quartz latite, Miocene, Colorado: Emmons and Larsen, 650.
Fisher quartz latite, Tertiary, Colorado: Knowlton, 1286.
Fishhaven dolomite, Ordovician, Idaho: Piper, 1760.
Fitzgerald dolomite, Silurian, Mackenzie: Hume, 1016.
Flaming Gorge beds, Jurassic, Colorado: Keyes, 1227.
Flathead formation, Cambrian, Montana: Bevan, 155.
Flathead sandstone, Cambrian, Wyoming: Condit, 433.
Flat-top terrane, Carboniferous, Colorado: Keyes, 1227.
Flaxville gravel, Miocene or Pliocene, Montana: Collier, 415.
Flaxville gravel, Tertiary, Montana: Reeves, 1836.
Fleming clays, Tertiary, Texs: Dumble, 594.
Foraker limestone, Oklahoma: Lillibridge, 1377.
Foraker limestone, Pennsylvanian, Oklahoma: Hosterman, 984.
Fordham gneiss, pre-Cambrian, New York: Alling, 29.
Forest Hill sand, Oligocene, Mississippi: Vaughan, 2343.
Fort Atkinson limestone, Ordovician, Iowa: Thwaites, 2245.
Fort Creek shale, Devonian, Mackenzie: Hume, 1013, 1016.
Fort Scott limestone member, Pennsylvanian, Missouri: Wilson, 2497.
Fort Union formation, Cretaceous (?), Montana: Bevan, 155.
Fort Union formation, Cretaceous, South Dakota: Ward, 2390.
Fort Union formation, Cretaceous or Eocene, Northern Great Plains: Thom and Dobbin, 2211.
Fort Union formation, Eocene, Montana: Bauer, 105; Collier, 415; Renick, 1854.
Fort Union formation, Tertiary, Montana: Ellis and Meinzer, 631; Renick, 1852; Rogers and Lee, 1900.
Fort Union formation, Tertiary, Wyoming: Condit, 433.
Fort Worth limestone, Cretaceous, Texas: Fohs, 701.
Fort Worth member, Comanchean, Texas: Adkins, 6.
Fountain formation, Pennsylvanian, Colorado: Tieje, 2247.
Fourmile sandstone, Pennsylvanian, Oklahoma: Rubey, 1920.
Fowkes volcanic ash, Tertiary, Colorado: Keyes, 1227.
Fox Hills formation, Cretaceous, South Dakota: Wilson and Ward, 2505.
Fox Hills sandstone, Cretaceous, Montana: Bauer, 105; Collier, 415.
Fox Hills sandstone, Cretaceous, Northern Great Plains: Thom and Dobbin, 2211.
Foxian series, Cretaceous, Alberta: Keyes, 1242.
Foxian series, Cretaceous, Colorado: Keyes, 1227.
Francis formation, Pennsylvanian, Oklahoma: Morgan, 1632, 1633, 1634.
Franciscan formation, California: Hill, 926.
Franciscan formation, Jurassic, California: Goranson, 771.
Franciscan series, California: Woodford, 2530.
Franconia formation, Cambrian, Minnesota and Wisconsin: Ulrich, 2315.
Franconia formation, Cambrian, Wisconsin: Thwaites, 2245.
Franklin Mountain formation, Silurian, Mackenzie: Hume, 1016; Williams, 2473, 2475.
Franks conglomerate, Pennsylvanian, Oklahoma: Dunbar, 599; Morgan, 1632, 1634; Weidman, 2422, 2423.
Fredericksburg division, Comanchean, Texas: Adkins, 6.
Fredonia oölite member, Mississippian, Kentucky: Weller, 2426.
Freeport (Lower) fire clay, Pennsylvanian, West Virginia: Reger, 1839.
Freeport (Lower) limestone, Pennsylvanian, Maryland: Swartz, 2177.

Freeport (Lower) limestone, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Freeport (Lower) limestone, Pennsylvanian, West Virginia: Reger, 1838.
Freeport (Lower) sandstone, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Freeport (Lower) sandstone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Freeport (Upper) clay, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Freeport (Upper) limestone, Pennsylvanian, Maryland: Swartz, 2177.
Freeport (Upper) limestone, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Freeport (Upper) limestone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Freeport (Upper) sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Freeport (Upper) sandstone, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Freeport (Upper) sandstone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Fremont terrane, Ordovician, Colorado: Keyes, 1227.
Frio clay, Eocene, Texas: Trowbridge, 2272.
Frio formation, Eocene, Texas: Bailey, 57.
Frio group, Tertiary, Texas: Dumble, 594.
Frontier formation, Cretaceous, Montana: Bauer and Robinson, 104; Reeside, 1826.
Frontier formation, Cretaceous, Wyoming: Fath and Moulton, 670.
Fruitland formation, Cretaceous, New Mexico: Reeside, 1828.
Fullington shales, Cretaceous, Kansas: Twenhofel, 2295.
Funeral terrane, Tertiary, Nevada: Keyes, 1192.
Furnacean series, Tertiary, Nevada: Keyes, 1192.
Furnaceville iron ore, Silurian, New York: Ulrich and Bassler, 2312.
Fuson formation, Cretaceous, Wyoming: Bradley, 191.
Fuson terrane, Jurassic, Colorado: Keyes, 1227.
Gabriola formation, Cretaceous, British Columbia: Goranson, 771.
Galena formation, Ordovician, Iowa: Howell, 1000.
Galena limestone, Ordovician, Illinois: Bretz, 205.
Galesburg shale, Pennsylvanian, Missouri: Wilson, 2497.
Galice formation, Jurassic, Oregon: Diller and Kay, 564.
Galisteo sandstones, Tertiary, Colorado: Keyes, 1227.
Galisteo terrane, Tertiary, Colorado: Keyes, 1227.
Gallatin formation, Cambrian, Montana: Bevan, 155.
Gallatin limestone, Cambrian, Wyoming: Condit, 433.
Gannett group, Cretaceous, Idaho: Kirkham, 1273.
Garden City limestone, Ordovician, Idaho: Piper, 1760.
Garfield formation, pre-Cambrian, South Dakota: Hosted and Wright, 983.
Garrett terrane, Cretaceous, Colorado: Keyes, 1227.
Gasconade formation, Ozarkian, Missouri: Wilson, 2497.
Gates formation, Cretaceous, British Columbia: McLearn, 1461.
Gatun formation, Miocene, Costa Rica: Redfield, 1814.
Gatun formation, Miocene, Panama Canal Zone: Vaughan, 2343.
Gatun formation, Tertiary, Costa Rica: Redfield, 1814.
Gatun formation, Tertiary, Panama Canal Zone: MacDonald, 1445.
Genesee series, Devonian, West Virginia: Reger, 1839.
Genesee shale, Devonian, Virginia: Eby (Stose), 621; Stose, 2164.
Georgia formation, Ordovician (?), Vermont: Raymond, 1804.
Georgia slate, Ordovician (?), Vermont: Keith, 1139.
Georgetown formation, Comanchean, Texas: Adkins, 6.
Georgetown formation, Cretaceous, Texas: Sellards, 2017.
Gering terrane, Tertiary, Colorado: Keyes, 1227.
Gething member, Cretaceous, British Columbia: McLearn, 1461.
Ghost River formation, Alberta: Walcott, 2355.
Giants Range granite, pre-Cambrian, Minnesota: Gruner, 822; Schwartz, 2001.
Gila conglomerate, Pleistocene, Arizona: Ransome, 1792.
Gilbert shale, Pennsylvanian, West Virginia: Reger, 1838.
Gilbert (Lower) sandstone, Pennsylvanian, West Virginia: Reger, 1838.
Girardeau limestone, Silurian, Missouri: Wilson, 2497.
Gladeville sandstone, Pennsylvanian, Virginia: Eby, 621.
Glenarm series, pre-Cambrian, Maryland: Jonas, 1113.
Glenarm series, pre-Cambrian, Maryland and Pennsylvania: Knopf and Jonas, 1282.
Glenarm series, pre-Cambrian, Pennsylvania: Hawkins, 869.
Glendale shale, Mississippian, Tennessee: Swartz, 2183.
Glen Dean formation, Mississippian, Indiana: Logan, 1402.
Glen Dean limestone, Mississippian, Kentucky: Weller, 2426.
Glendon formation, Oligocene, Alabama: Vaughan, 2343.
Glendon formation, Oligocene, Georgia: Prettyman and Cave, 1776.
Glen Eyrie shale, Pennsylvanian, Colorado: Tieje, 2247.
Glenn formation, Carboniferous, Oklahoma: Girty and Roundy, 757.
Glenogle formation, Ordovician, British Columbia: Walcott, 2355, 2357.
Glen Park limestone, Mississippian, Missouri: Wilson, 2497.
Glenrose formation, Comanchean, Texas: Adkins, 6.
Glen Rose formation, Cretaceous, Arkansas and Louisiana: Hull, 1011.
Glen Rose formation, Cretaceous, Texas: Fohs, 701.
Gloucester formation, Ordovician, Ontario: Ruedemann and Ehlers, 1927.
Gloucester shale, Ordovician, Ontario and Quebec: Foerste, 697.

Golconda formation, Mississippian, Indiana: Logan, 1402.
Golconda limestone, Mississippian, Kentucky: Weller, 2426.
Gold Hill formation, Cambrian (?), Nevada: Ferguson, 679.
Goldiva terrane, Tertiary, Colorado: Keyes, 1227.
Gold Road latite, Tertiary, Arizona: Ransome, 1793.
Goodland limestone, Comanchean, Oklahoma: Bullard, 254.
Goodland limestone, Cretaceous, Arkansas: Miser, 1591.
Goodridge formation, Pennsylvanian, Utah: Longwell *et al.*, 1404; Miser, 1594, 1597.
Goodsir series, Ordovician, Alberta: Keyes, 1242.
Goose Bay formation, Jurassic (?), British Columbia: Dolmage, 568.
Goodwin formation, Ozarkian, Nevada: Walcott, 2355.
Goodwinian series, Cambrian, Nevada: Keyes, 1192.
Gosport sand, Eocene, Alabama: Berry, 142; Vaughan, 2343.
Goulburn quartzite, pre-Cambrian, Arctic Canada: O'Neill, 1682.
Gower limestone formation: Silurian, Iowa: Schoewe, 1985.
Gowganda formation, pre-Cambrian, Ontario: Bain, 61.
Grafton sandstone, Pennsylvanian, West Virginia: Regar, 1838, 1839.
Grafton (Lower) sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Grafton (Upper) sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Grafton (Upper) shale, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Grainger shale, Mississippian, Tennessee: Swartz, 2183.
Grand Tower limestone, Devonian, Missouri: Wilson, 2497.
Graneros terrane, Cretaceous, Colorado: Keyes, 1227.
Graneros shale, Cretaceous, South Dakota: O'Harra, 1678.
Granite Mountain porphyry, Mesozoic, Arizona: Ransome, 1792.
Grapevine terrane, Jurassic, Nevada: Keyes, 1192.
Grassy Creek shale, Mississippian, Missouri: Branson, 199; Krey, 1293; Wilson, 2497.
Gray Medina sandstone, Silurian, West Virginia: Reger, 1839.
Greenbrier limestone lentil, Mississippian, Pennsylvania: Butts, 270.
Greenbrier series, Mississippian, West Virginia: Reger, 1838, 1839.
Greene formation, Permian, Maryland: Swartz, 2177.
Greenhorn terrane, Cretaceous, Colorado: Keyes, 1227.
Greenian series, Tertiary, Colorado: Keyes, 1227.
Greenleaf member, Cretaceous, Kansas: Twenhofel, 2295.
Green River formation, Tertiary, Colorado and Wyoming: Sears, 2010; Sears and Bradley, 2012.
Green River formation, Tertiary, Colorado, Utah, Wyoming, and Idaho: Henderson, 914.
Green River formation, Tertiary, Wyoming, Colorado, and Utah: Knowlton, 1285.
Greenwater terrane, Tertiary, Nevada: Keyes, 1192.
Greer formation, Permian, Texas: Patton, 1728.
Grenada formation, Eocene, Mississippi: Vaughan, 2343.
Grenada-Hatchetigbee division, Eocene, Mississippi: Lowe, 1427.
Greenville series, pre-Cambrian, New York: Miller, 1583.
Grenville series, pre-Cambrian, Ontario: Wright, 2545.
Grenville series, pre-Cambrian, Ontario and Quebec: Wilson, 2498.
Grenvillian, pre-Cambrian: Keyes, 1174.
Gros Ventre formation, Cambrian, Wyoming: Condit, 433.
Guallaba formation, Oligocene, Costa Rica: Redfield, 1814.
Guayabal limestone, Cretaceous, Porto Rico: Mitchell, 1598.
Gurabo formation, Miocene, Dominican Republic: Vaughan, 2343.
Guertie sand, Permian, Oklahoma: Morgan, 1632.
Gueydan tuff, Oligocene (?), Texas: Bailey, 58.
Gunter sandstone, Ozarkian, Missouri: Wilson, 2497.
Guyandot sandstone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Hackberry stage, Devonian, Iowa: Fenton and Fenton, 677.
Hades terrane, Devonian, Colorado: Keyes, 1227.
Haida formation, Cretaceous, British Columbia: Goranson, 771.
Halifax chlorite schist, Ordovician, Vermont: Hubbard, 1004.
Hall series, Triassic, British Columbia: Goranson, 771.
Hambergian series, Cambrian, Nevada: Keyes, 1192.
Hamburgian series, Cambrian, Nevada: Keyes, 1192.
Hamden member, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Hamilton series, Devonian, West Virginia: Reger, 1839.
Hannibal shale, Mississippian, Missouri: Wilson, 2497.
Hannibal shale, Mississippian, Missouri and Illinois: Krey, 1293.
Haragan shale, Devonian, Oklahoma: Morgan, 1632.
Hardgrave sandstone, Jurassic, California: Goranson, 771.
Harding terrane, Ordovician, Colorado: Keyes, 1227.
Hardinsburg formation, Mississippian, Indiana: Logan, 1402.
Hardinsburg sandstone, Mississippian, Kentucky: Weller, 2426.
Hardman fire clay, Pennsylvanian, West Virginia: Reger, 1839.

Harlan sandstone, Pennsylvanian, Virginia: Eby, 621.
Harlem clay, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Harmon, Ordovician, Indiana: Logan, 1401.
Harpers phyllite, Cambrian, Maryland and Pennsylvania: Knopf and Jonas, 1282.
Harpers schist, Cambrian, Pennsylvania: Jonas, 1112; Stose, 2163.
Hart limestone member, Permian, Oklahoma: Morgan, 1632.
Hartley augen gneiss, pre-Cambrian, Maryland and Pennsylvania: Knopf and Jonas, 1282.
Hartridge black shale, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Hartselle sandstone, Mississippian, Mississippi: Morse, 1637.
Hartshorne sandstone, Pennsylvanian, Arkansas: Miser, 1591.
Hartshorne sandstone, Pennsylvanian, Oklahoma: Morgan, 1632.
Haslam formation, Cretaceous, British Columbia: Goranson, 771.
Hatchetigbee formation, Eocene, Alabama: Vaughan, 2343.
Hatchetigbee (Grenada) formation, Eocene, Mississippi: Morse, 1637.
Hattiesburg clay, Oligocene, Mississippi: Lowe, 1427.
Hay River beds, Devonian, Mackenzie: Whittaker, 2462.
Hay River limestone, Devonian, Mackenzie: Hume, 1016.
Hazleton formation, Jurassic, British Columbia: Hanson, 853.
Hazleton group, Jurassic, British Columbia: Hanson, 856.
Heartwellville schist, Ordovician, Vermont: Hubbard, 1004.
Hedwig breccia member, Tertiary, Nevada: Ferguson, 679.
Helderberg limestone, Devonian, Virginia: Eby (Stose), 621.
Helderberg limestone, Devonian, West Virginia: Reger, 1839.
Hellam conglomerate, Cambrian, Maryland and Pennsylvania: Knopf and Jonas, 1282.
Hellam conglomerate member, Cambrian, Pennsylvania: Stose, 2163.
Hell Creek member, Cretaceous or Eocene, Northern Great Plains: Thom and Dobbin, 2211.
Hell Creek member, Eocene (?), Montana: Renick, 1854.
Hell Creek member, Tertiary (?), Montana: Bauer, 105; Collier, 415; Renick, 1852.
Hendricks sandstone, Devonian, West Virginia: Reger, 1838.
Henrietta formation, Pennsylvanian, Missouri: Wilson, 2497.
Henryan series, Cretaceous, Alberta: Keyes, 1242.
Henryan series, Cretaceous, Colorado: Keyes, 1272.
Henry Fork formation, Cretaceous, Colorado: Keyes, 1227.
Henryhouse shale, Silurian, Oklahoma: Morgan, 1632.
Herington limestone, Permian, Oklahoma: Hosterman, 984.
Hermosa formation, Carboniferous, Colorado: Keyes, 1227.
Hermosa formation, Carboniferous, Utah: Prommel, 1780.
Hertha limestone, Pennsylvanian, Iowa: Tilton, 2253.
Hertha limestone, Pennsylvanian, Missouri: Wilson, 2497.
Highgate formation, Ordovician (?), Vermont: Raymond, 1804.
Highgate slate, Cambrian, Vermont: Keith, 1139.
Highland Boy limestone, Carboniferous, Utah: Lindgren, 1384.
Hillabee schist, Alabama: Prouty, 1782.
Hinche formation, Pliocene, Haiti: Woodring, 2533.
Hinchman tuff and sandstone, Jurassic, California: Goranson, 771.
Hinsdale basalt, Colorado: Atwood and Mather, 50.
Hinsdale volcanic series, Tertiary, Colorado: Knowlton, 1286.
Hinshaw terrane, Cretaceous, Colorado: Keyes, 1227.
Hinton limestone, Mississippian, West Virginia: Reger, 1838, 1839.
Hitka formation, Cambrian, British Columbia: Burling, 260.
Hoffman limestone, Pennsylvanian, Maryland: Swartz, 2177.
Hoffman limestone, Pennsylvanian, West Virginia: Reger, 1838.
Hoffman sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Hoh formation, Jurassic, Washington: Goranson, 771.
Holdenville formation, Pennsylvanian, Oklahoma: Morgan, 1632, 1634.
Holly Springs division, Eocene, Mississippi: Lowe, 1427.
Holly Springs sand, Eocene, Mississippi: Morse, 1637; Vaughan, 2343.
Holston marble, Ordovician, Tennessee: Gordon, 772.
Homer limestone member, Pennsylvanian, Oklahoma: Morgan, 1632, 1634.
Homestake formation, pre-Cambrian, South Dakota: Hosted and Wright, 983.
Homewood formation, Pennsylvanian, Pennsylvania: Renick, 1851.
Homewood sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Homewood sandstone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Honaker limestone, Cambrian, Tennessee: Secrist, 2014.
Honna formation, Cretaceous, British Columbia: Goranson, 771.
Hoover sand, Pennsylvanian, Oklahoma: Hosterman, 984.
Horn River shale, Devonian, Mackenzie: Hume, 1016.
Horsetown formation, Cretaceous, California: Bryan, 239.
Horsetown formation, Cretaceous, California and Oregon: Goranson, 771.
Horsetown formation, Cretaceous, Oregon: Diller and Kay, 564.

Hosselkus limestone, Triassic, California: Goranson, 771.
Hota formation, Cambrian, British Columbia: Burling, 260.
Hot Springs sandstone, Mississippian, Arkansas: Miser, 1591; Purdue and Miser, 1784.
Houten terrane, Tertiary, Colorado: Keyes, 1227.
Howard limestone, Pennsylvanian, Missouri: Wilson, 2497.
Hoxbar member, Carboniferous, Oklahoma: Girty and Roundy, 757.
Hozameen series, Carboniferous, British Columbia: Cairnes, 279, 282.
Huerfano beds, Tertiary, Colorado: Keyes, 1227.
Huerto formation, Tertiary, Colorado: Knowlton, 1286.
Humber member, Ordovician, Ontario: Parks, 1716, 1717.
Humber River member, Ordovician, Ontario: Foerste, 697.
Hunton terrane, Silurian and Devonian, Oklahoma: Morgan, 1632.
Huronian series, pre-Cambrian, Minnesota: Gruner, 882.
Huronian time, pre-Cambrian: Young, 2554.
Hygiene sandstone, Cretaceous, Colorado: Ball, 70.
Iaeger shale, Pennsylvanian, West Virginia: Reger, 1838.
Iatan limestone, Pennsylvanian, Iowa: Tilton, 2253.
Iatan limestone, Pennsylvanian, Missouri: Wilson, 2497.
Idaho Springs, pre-Cambrian, Colorado: Keyes, 1227.
Idolo beds, Eocene, Mexico: Dumble and Applin, 593.
Iles formation, Cretaceous, Colorado: Sears, 2010.
Illinoian drift, Pleistocene, Iowa: Schoewe, 1985.
Independence member, Devonian, Iowa: Schoewe, 1985.
Independence shales, Devonian, Iowa: Thomas, 2217.
Indian Fields formation, Silurian, Kentucky: Foreste, 696.
Indian Spring sandstone, Silurian, Maryland: Swartz, 2178.
Indian Springs formation, Mississippian, Indiana: Logan, 1402.
Indio formation, Eocene, Texas: Trowbridge, 2272.
Inglefield sandstone, Pennsylvanian, Indiana: Logan, 1402.
Interior formation, Cretaceous, South Dakota: Wanless, 2387.
Inyoan series, Triassic, Nevada: Keyes, 1192.
Iola limestone, Pennsylvanian, Missouri: Wilson, 2497.
Iola limestone member, Pennsylvanian, Iowa: Tilton, 2253.
Ione formation, Tertiary, California: Bryan, 239.
Iowa series, Mississippian: Weller, 2426.
Irondale limestone, Pennsylvanian, Maryland: Swartz, 2177.
Irondequoit limestone, Silurian, New York: Ulrich and Bassler, 2312.
Ironton sandstone member, Cambrian, Wisconsin: Ulrich, 2315.
Ironwood formation, pre-Cambrian, Wisconsin and Minnesota: Hotchkiss, 990.
Irving terrane, pre-Cambrian, Colorado: Keys, 1227,
Isabela stage, Quaternary, Porto Rico: Hubbard, 1002.
Jackford sandstone, Mississippian, Arkansas: Miser, 1591.
Jackfork sandstone, Carboniferous, Oklahoma: Honess, 975, 976.
Jackfork sandstone, Mississppian, Arkansas: Miser, 1591.
Jackson beds, Tertiary, Texas: Dumble, 594.
Jackson formation, Eocene, Mississippi: Lowe, 1427; Vaughan, 2343.
Jan Lew sandstone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Jasper limestone, Ordovician, Arkansas: Miser, 1591.
Jefferson limestone, Devonian, Idaho: Piper, 1760.
Jefferson City dolomite, Ordovician, Arkansas: Miser: 1591.
Jefferson City formation, Canadian, Missouri: Wilson, 2497.
Jefferson City group, Ordovician, Missouri and Illinois: Krey, 1293.
Joachim dolomite, Ordovician, Missouri: Branson, 200.
Joachim dolomite, Ordovician, Missouri and Illinois: Krey, 1293.
Joachim formation, Ordovician, Missouri: Wilson, 2497.
Joachim limestone, Ordovician, Arkansas: Miser, 1591.
Joana terrane, Devonian, Nevada: Keyes, 1192.
Johnstown limestone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Jolly limestone member, Pennsylvanian, Oklahoma: Morgan, 1632.
Jollytown limestone, Permian, Maryland: Swartz, 2177.
Jordan formation, Cambrian, Wisconsin: Thwaites, 2245.
Jordan sandstone, Cambrian, Minnesota, Wisconsin and Iowa: Ulrich, 2315.
Jordan sandstone, Minnesota: Sardeson, 1959.
Juana Diaz formation, Tertiary, Porto Rico: Mitchell, 1598.
Judith River formation, Cretaceous, Montana: Ellis and Meinzer, 631; Reeves, 1836; Rogers and Lee, 1900.
Julian dolomite, Ordovician, Missouri: Keyes, 1171.
Juncos gabbro, Porto Rico, Fettke, 686.
Junction shales and limestones, Jurassic, Colorado: Keyes, 1227.
Kagawong member, Ordovician, Ontario: Foerste, 697.
Kaibab limestone, Permian, Arizona: Hager, 832.
Kaibab limestone, Permian, Utah: Longwell *et al.*, 1404.
Kaminis granite, pre-Cambrian, Manitoba: Armstrong, 42.
Kanawha black flint, Pennsylvanian, West Virginia: Reger, 1839.

Kanawha group, Pennsylvanian, West Virginia: Reger, 1838.
Kansan drift, Pleistocene, Iowa: Schoewe, 1985.
Kansas City formation, Pennsylvanian, Missouri: Wilson, 2497.
Kansas City stage, Pennsylvanian, Iowa: Tilton, 2253.
Kanuyak formation, pre-Cambrian, Arctic Canada: O'Neill, 1682.
Kanwaka shale, Pennsylvanian, Missouri: Wilson, 2497.
Keefer sandstone member, Silurian, Maryland: Swartz, 2178.
Keefer sandstone member, Silurian, Pennsylvania: Ulrich and Bassler, 2312.
"Keene"gneiss, pre-Cambrian, New York: Alling, 29.
Keewatin, pre-Cambrian, Ontario: Bain, 61.
Kenwood sandstones, Mississippian, Indiana: Logan, 1401.
Keokuk limestone, Mississippian, Missouri: Wilson, 2497.
Keweenawan series, pre-Cambrian, Minnesota: Gruner, 822.
Keweenawan time, pre-Cambrian: Young, 2554.
Keyser limestone, Devonian, West Virginia: Reger, 1839.
Kialagvik formation, Jurassic, Alaska: Smith and Baker, 2091.
Kiamichi formation, Comanchean, Oklahoma: Bullard, 254.
Kiamichi formation, Cretaceous, Texas: Fohs, 701.
Kiamitia member, Comanchean, Texas: Adkins, 6.
Killarnean, pre-Cambrian, Ontario: Quirke, 1789.
Killarney granite, pre-Cambrian, Ontario: Bain, 61; Quirke, 1788.
Killarney granites, pre-Cambrian: Keyes, 1174.
Kimmswick limestone, Ordovician, Arkansas: Miser, 1591.
Kimmswick limestone, Ordovician, Missouri: Branson, 200; Keyes, 1171; Wilson, 2497.
Kimmswick ("Trenton") limestone, Ordovician, Missouri and Illinois: Krey, 1293.
Kinderhook formation, Mississippian, Iowa: Howell, 1000.
Kinderhook group, Mississippian, Missouri: Wilson, 2497.
Kinderhook series, Mississippian, Iowa: Schoewe, 1985.
Kinderhook series, Mississippian, Missouri and Illinois: Krey, 1293.
Kinderhookian limestone, Mississippian, Oklahoma: Trager, 2264.
King limestone, Mississippian, Missouri: Wilson, 2497.
Kinkaid limestone, Mississippian, Illinois: Shaw, 2035.
Kinkaid limestone, Mississippian, Kentucky: Weller, 2426.
Kinzers formation, Cambrian, Pennsylvania: Knopf and Jonas, 1282; Stose, 2163; Stose and Jonas, 2160.
Kiowa member, Cretaceous, Kansas: Twenhofel, 2295.
Kiowa terrane, Cretaceous, Colorado: Keyes, 1227.
Kirby member, Cretaceous, Kansas: Twenhofel, 2295.
Kirkland formation, Silurian, New York: Ulrich and Bassler, 2312.
Kirtland shale, Cretaceous, New Mexico: Reeside, 1828.
Kitsalas formation, Jurassic or Triassic, British Columbia: Hanson, 853.
Kitsalas formation, Triassic, British Columbia: Goranson, 771.
Kitsault River formation, Jurassic(?), British Columbia: Dolmage, 568.
Kitsilano formation, Tertiary, British Columbia: Johnston, 1107.
Kittanning sandstone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Kittanning (Lower) clay, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Kittanning (Lower) fire clay, Pennsylvanian, West Virginia: Reger, 1839.
Kittanning (Lower) sandstone, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Kittanning (Middle) clay, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Kittanning (Upper) fire clay, Pennsylvanian, West Virginia: Reger, 1839.
Knight clays and shaly sandstones, Tertiary, Colorado: Keyes, 1227.
Knox dolomite, Cambro-Ordovician, Tennessee: Secrist, 2014.
Knox dolomite, Ordovician, Tennessee: Gordon, 772.
Knoxville formation, Cretaceous, California: Bryan, 239; Goranson, 771.
Knoxville formation, Cretaceous, Oregon: Diller and Kay, 564.
Koipato formation, Nevada: Knopf, 1280.
Koipatoan, Triassic, Nevada: Keyes, 1192.
Konawa formation, Permian, Oklahoma: Morgan, 1632.
Kootenai formation, Cretaceous, Montana: Bauer and Robinson, 104; Bevan, 155; Clark, 348; Ellis and Meinzer, 631; Reeves, 1836.
Kootenay coal measures, Cretaceous, Alberta: MacVicar, 1466.
Kootenay formation, Cretaceous, Alberta: Allan and Rutherford, 21; Rose, 1908.
Kootenay group, Cretaceous, Alberta: Allan and Rutherford, 24.
Kootenayan series, Cretaceous, Alberta: Keyes, 1242.
Kuskulana formation, Triassic, Alaska: Moffit, 1603; Moffit and Mertie, 1602.
Kyle terrane, Tertiary, Nevada: Keyes, 1192.
Labadie(?) limestone, Pennsylvanian, Oklahoma: Rubey, 1920.
Laberge series, Cretaceous, British Columbia: Goranson, 771.
Laberge series, Cretaceous or Jurassic, Yukon: Cockfield, 392.
Labette shale member, Pennsylvanian, Missouri: Wilson, 2497.
Ladner series, Jurassic, British Columbia: Cairnes, 281.

Ladore shale, Pennsylvanian, Missouri: Wilson, 2497.
Lafayette gravel, Tertiary, Kentucky: Weller, 2426.
Lafferty limestone, Silurian, Arkansas: Miser, 1591.
Lagarto formation, Pliocene, Texas: Bailey, 57.
Lahontan series, Quaternary, Nevada: Keyes, 1192.
Lake Fork breccia, Tertiary, Colorado: Knowlton, 1286.
Lakemont formation, Silurian, Pennsylvania: Ulrich and Bassler, 2312.
Laketown dolomite, Silurian, Idaho: Piper, 1760.
Lakota formation, Cretaceous, Wyoming: Bradley, 191.
Lakota terrane, Jurassic, Colorado: Keyes, 1227.
Lamotte sandstone, Cambrian, Missouri: Wilson, 2497.
Lamoureaux terrane, Devonian, Nevada: Keyes, 1192.
Lance formation, Cretaceous(?), Montana: Bevan, 155.
Lance formation, Cretaceous, Saskatchewan: Sternberg, 2144.
Lance formation, Cretaceous, South Dakota: Toepelman, 2260; Ward, 2390; Wilson and Ward, 2505.
Lance formation, Cretaceous or Eocene, Northern Great Plains: Thom and Dobbin, 2211.
Lance formation, Eocene(?), Montana: Renick, 1854.
Lance formation, Tertiary (?), Montana: Bauer, 105; Collier, 415; Ellis and Meinzer, 631; Reeves, 1836; Renick, 1852; Rogers and Lee, 1900.
Lane shale, Pennsylvanian, Iowa: Tilton, 2253.
Lane shale, Pennsylvanian, Missouri: Wilson. 2497.
Laney shale member, Tertiary, Colorado: Sears, 2010; Sears and Bradley, 2012.
Lanphier beds, Cretaceous, Kansas: Twenhofel, 2295.
Lansing formation, Pennsylvanian, Missouri: Wilson, 2497.
Lansing stage, Pennsylvanian, Iowa: Tilton, 2253.
Lapara member, Pliocene, Texas: Bailey, 57.
La Plata sandstones, Jurassic, Arizona: Reagan, 1807.
LaPlata terrane, Jurassic, Nevada: Keyes, 1192.
Laramian series, Cretaceous, Colorado: Keyes, 1227.
"Laramie" formation, Cretaceous, Colorado: Sears, 2010.
Lares formation, Tertiary, Porto Rico: Hubbard, 1002.
Larimer sandstone, Cretaceous, Colorado: Ball, 70.
Las Cahobas formation, Miocene, Haiti: Vaughan, 2343; Woodring, 2533.
Las Cascados agglomerate, Tertiary, Panama Canal Zone: MacDonald, 1445.
Lauderdale chert, Mississippian, Mississippi: Morse, 1637.
Laurencic, pre-Cambrian: Keyes, 1174.
Laurentian, pre-Cambrian, Ontario: Bain, 61.
Lawrence shale, Pennsylvanian, Iowa: Tilton, 2253.
Lawrence shale, Pennsylvanian, Missouri: Wilson, 2497.
Layton sand, Pennsylvanian, Oklahoma: Hosterman, 984.
Leadville terrane, Carboniferous, Colorado: Keyes, 1227.
Lebo andesitic member, Cretaceous or Eocene, Northern Great Plains: Thom and Dobbin, 2211.
Lebo shale, Eocene, Montana: Renick, 1854.
Lebo shale member, Eocene, Montana: Collier, 415.
Lebo shale member, Tertiary, Montana: Rogers and Lee, 1900.
Le Claire dolomite member, Silurian, Iowa: Schoewe, 1985.
Lecompton limestone, Pennsylvanian, Missouri: Wilson, 2497.
Ledger dolomite, Cambrian, Pennsylvania: Knopf and Jonas, 1282; Stose, 2163; Stose and Jonas, 2160.
Lee formation, Pennsylvanian, Virginia: Eby, 621.
Leech River group, Carboniferous, Washington: McLellan, 1464.
Lennep sandstone, Cretaceous, Northern Great Plains: Thom and Dobbin, 2211.
Lenoir limestone, Ordovician, Tennessee: Gordon, 772.
Leona formation, Pleistocene, Texas: Trowbridge, 2272.
Leptauchenia beds, Tertiary, South Dakota: Wanless, 2387.
Le Roux limestone, Triassic, Arizona: Reagan, 1807.
LeRoux terrane, Triassic, Colorado: Keyes, 1227.
Levis formation, Ordovician, Quebec: Clark, 354.
Lewis shale, Cretaceous, Colorado: Reeside, 1828; Sears, 2010.
Lewis shale, Cretaceous, Wyoming: Fath and Moulton, 670.
Lime Creek beds, Devonian, Iowa: Thomas, 2217.
Limon beds, Cretaceous, Mexico: Dumble and Applin, 593.
Linley conglomerate, Montana: Bevan, 155.
Lipan beds, Tertiary, Texas: Dumble, 594.
Lisbon formation, Cambrian or Ordovician, New Hampshire: Ross, 1913.
Lisbon formation, Eocene, Alabama: Berry, 142; Vaughan, 2343.
Lisbon formation, Eocene, Mississippi: Lowe, 1427.
Lisburne formation, Mississippian, Alaska: Moffit and Mertie, 1602.
Lissie formation, Pleistocene, Texas: Bailey, 57.
Lissie gravel, Pleistocene, Texas: Trowbridge, 2272.
Little Falls formation, Ordovician, Vermont: Foyles, 714.
Little Saline limestone, Devonian, Missouri: Stewart, 2147; Wilson, 2497.
Littleton argillite, Devonian, New Hampshire: Ross, 1913.
Livingston formation, Cretaceous, Montana: Bevan, 155.
Lockport dolomite, Silurian, New York: Ulrich and Bassler, 2312.
Lockport group, Silurian: Ulrich and Bassler, 2311.
Lodi dolomite, Cambrian, Wisconsin: Thwaites, 2245.
Lodi shale member, Cambrian, Wisconsin: Ulrich, 2315.
Loganian time, pre-Cambrian: Young, 2554.
Lonaconing sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Lone terrane, Silurian, Nevada: Keyes, 1192.
Lone Land formation, pre-Cambrian, Mackenzie: Williams, 2475.

Lone Mountain dolomite, Silurian, Mackenzie: Hume, 1016.
Lone Mountain formation Silurian, Mackenzie: Williams, 2473, 2475.
Long Rapids shale, Devonian, Ontario: Kindle, 1262.
Longs Peak granite, pre-Cambrian, Colorado: Fuller, 721.
Lorrain formation, pre-Cambrian, Ontario: Bain, 61.
Los Esteros formation, Eocene, Mexico: VerWiebe, 2346.
Los Puertos limestone, Tertiary, Porto Rico: Hubbard, 1002.
Louise formation, Cambrian, Alberta: Keyes, 1242.
Louisiana limestone, Mississippian, Missouri: Wilson, 2497.
Louisiana limestone, Mississippian, Missouri and Illinois: Krey, 1293.
Louisville limestone, Pennsylvanian, Iowa: Tilton, 2253.
Loupian series, Tertiary, Colorado: Keyes, 1227.
Lourian, pre-Cambrian: Keyes, 1174.
Lovelockian series, Jurassic, Nevada: Keyes, 1192.
Lower Magnesian group, Ordovician, Wisconsin and Illinois: Thwaites, 2245.
Lowville limestone, Ordovician, Virginia: Eby (Stose), 621.
Loyalhanna limestone, Mississippian, Pennsylvania: Butts, 270.
Ludlow lignite member, Tertiary(?), Montana: Bauer, 105.
Ludlow lignitic member, Cretaceous, South Dakota: Toepelman, 2260.
Ludlow lignitic member, Cretaceous or Eocene, Northern Great Plains: Thom and Dobbin, 2211.
Lukachukai sandstone, Triassic, Arizona: Reagan, 1807.
Lukachukai terrane, Triassic, Colorado: Keyes, 1227.
Lusk limestone, Mississippian, Indiana: Logan, 1401.
Lyell formation, Cambrian, Alberta: Walcott, 2355.
Lyell formation, Cambrian, British Columbia: Walcott, 2357.
Lykins formation, Permo-Carboniferous and Triassic(?), Colorado: Tieje, 2247.
Lyman formation, Silurian, New Hampshire: Ross, 1913.
Lynx formation, Cambrian, British Columbia: Burling, 260.
Lyons formation, Pennsylvanian, Colorado: Tieje, 2247.
Lyons sandstone, Pennsylvanian, Colorado: Henderson, 913.
McAdam formation, Silurian, Nova Scotia: McLearn, 1462.
McAlester formation, Pennsylvanian, Oklahoma: Morgan, 1632.
McAlester group, Pennsylvanian, Arkansas: Miser, 1591.
McBean formation, Eocene, Georgia: Prettyman and Cave, 1776.
McCarthy formation, Triassic, Alaska: Goranson, 771.
McCarthy shale, Triassic, Alaska: Moffit, 1603.
Maccrady formation, Mississippian, Virginia: Eby (Stose), 621.
McCune dolomite, Ordovician, Missouri: Keyes, 1171.
McDermott formation, Cretaceous, Colorado: Reeside, 1828.
McElmo formation, Cretaceous(?), Utah: Longwell *et al.*, 1404; Miser, 1594, 1597.
McElmo formation, Jurassic, Utah: Prommel, 1780.
McElmo shales, Jurassic, Arizona: Reagan, 1807.
McElmo terrane, Jurassic, Colorado: Keyes, 1227.
McElmo terrane, Jurassic, Nevada: Keyes, 1192.
Machuca formation, Eocene, Costa Rica: Redfield, 1814.
McKenzie formation, Silurian, Maryland: Swartz, 2178.
McKissick Grove shale, Pennsylvanian, Iowa: Tilton, 2253.
McLeansboro formation, Pennsylvanian, Illinois: Shaw, 2035.
McLeod member, Cretaceous, Alberta: Allan and Rutherford, 24.
McNaughton sandstones, Cambrian, British Columbia: Burling, 260.
Madame Joie formation, Micoene, Haiti: Vaughan, 2343; Woodring, 2533.
Madera diorite, pre-Cambrian, Arizona: Ransome, 1792.
Madison formation, Cambrian, Wisconsin: Thwaites, 2245.
Madison limestone, Mississippian, Idaho: Kirkham, 1273; Piper, 1760.
Madison limestone, Mississippian, Montana: Bevan, 155; Clark, 348.
Madison limestone, Mississippian, Wyoming: Condit, 433; Fath and Moulton, 670.
Magnesian (Lower) limestone, Minnesota: Sardeson, 1959.
Mahoning clay, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Mahoning limestone, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Mahoning red shale, Pennsylvanian, Maryland: Swartz, 2177.
Mahoning red shale, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Mahoning (Lower) sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Mahoning (Lower) sandstone, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Mahoning (Lower) sandstone, Pennsylvanian, West Virginia: Reger, 1839.
Mahoning (Upper) sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Mahoning (Upper) sandstone, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Mahoning (Upper) sandstone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Mahto sandstones, Cambrian, British Columbia Burling, 260.
Mainstreet member, Comanchean, Texas: Adkins, 6.
Maissade tongue, Miocene, Haiti: Vaughan, 2343; Woodring, 2533.

Mallett dolomite, Cambrian, Vermont: Keith, 1139.
Mallorytown granite, Cambrian, Ontario: Wright, 2545.
Maltrata formation, Comanchean, Mexico: Ver-Wiebe, 2346.
Mammoth Mountain rhyolite, Miocene, Colorado: Emmons and Larsen, 650.
Manasses sandstone, Triassic, Virginia: Roberts, 1880.
Mancos formation, Cretaceous, Arizona: Reagan, 1807.
Mancos shale, Cretaceous, Colorado: Reeside, 1828; Sears, 2010.
Mancos shale, Cretaceous, Wyoming: Condit, 433.
Mancos shales, Cretaceous, Colorado: Keyes, 1227.
Manitou terrane, Ordovician, Colorado: Keyes, 1227.
Mansfield formation, Pennsylvanian, Indiana: Logan, 1402.
Manzanilla beds, Oligocene, Costa Rica: Redfield, 1814.
Manzano group, Carboniferous, Colorado: Keyes, 1227.
Mao clay, Miocene, Dominican Republic: Vaughan, 2343.
Mao Andentro limestone Miocene, Dominican Republic: Vaughan, 2343.
Maple Mill shale member, Mississippian, Iowa: Schoewe, 1985.
Maplewood shale, Silurian, New York: Ulrich and Bassler, 2312.
Maquoketa formation, Ordovician, Iowa: Howell, 1000.
Maquoketa shale, Ordovician, Iowa: Thwaites, 2245.
Maquoketa shale, Ordovician, Missouri and Illinois: Krey, 1293.
Marble Bay limestone, Triassic, British Columbia: Goranson, 771.
Marcellus series, Devonian, West Virginia: Reger, 1839.
Marianna limestone, Oligocene, Florida: Vaughan, 2343.
Mariposa formation, Jurassic, California: Goranson, 771.
Marks Head marl, Miocene, Georgia: Prettyman and Cave, 1776.
Marland sand, Ordovician, Oklahoma: Trager, 2264.
Marlbrook formation, Cretaceous, Arkansas: Schneider, 1981.
Marlbrook marl, Cretaceous, Arkansas: Miser, 1591.
Marlbrook marl, Cretaceous, Texas: Howe, 996.
Marlow formation, Permian, Oklahoma: Sawyer, 1970.
Maroon conglomerate, Carboniferous, Colorado: Keyes, 1227.
Marquettan, pre-Cambrian: Keyes, 1174.
Martin limestone, Devonian, Arizona: Ransome, 1792.
Martinez formation, Eocene, California: Kew, 1157, 1159.
Martinez formation, Tertiary, California: Taliaferro, 2187.
Martinsburg shale, Ordovician, West Virginia: Reger, 1839.
Mary River formation, Cretaceous, Albert: Keyes, 1242.
Marysville limestone, Cambrian, Tennessee: Secrist, 2014.
Mason clay, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Mason City dolomite, Devonian, Iowa: Thomas, 2217.
Masuk sandstone, Cretaceous, Utah: Longwell *et al.*, 1404.
Masukian series, Cretaceous, Colorado: Keyes, 1227.
Matachewan series, pre-Cambrian, Ontario: Wright, 2541.
Mauch Chunk formation, Mississippian, Pennsylvania: Butts, 270.
Mauch Chunk series, Mississippian, West Virginia: Reger, 1838, 1839.
Maude formation, Jurassic, British Columbia: Goranson, 771.
Maury shale, Mississippian, Tennessee: Swartz, 2183.
Maxwell terrane, Tertiary, Colorado: Keyes, 1227.
Maya terrane, Tertiary, Colorado: Keyes, 1227.
May Creek formation, Devonian(?), Oregon: Diller and Kay, 564.
Mayflower schist, Ordovician (?), Nevada: Ferguson, 679.
Maysville formation, Ordovician, Indiana: Logan, 1401.
Maysville formation, Ordovician, Ontario: Foerste, 697.
Mayville formation, Silurian, Wisconsin: Thwaites, 2245.
Mazarn shale, Ordovician, Arkansas: Miser, 1591; Purdue and Miser, 1784.
Mazarn shale, Ordovician, Oklahoma: Honess, 975.
Mazomanie sandstone, Cambrian, Wisconsin and Illinois: Thwaites, 2245.
Meadow limestone, Pennsylvania, Iowa: Tilton, 2253.
Meadow marble, Ordovician, Tennessee: Gordon, 772.
Meaford member, Ordovician, Ontario: Foerste, 697.
Meakin sand, Cretaceous, Arkansas: Schneider, 1981.
Medicine beds, Cretaceous, Kansas: Twenhofel, 2295.
Medina (Gray) sandstone, Silurian, West Virginia: Reger, 1839.
Medina (Red) sandstone, Silurian, West Virginia: Reger, 1839.
Medina (White) limestone, Silurian, West Virginia: Reger, 1839.
Medinan series, Silurian: Ulrich and Bassler, 2311.
Medinan series, Silurian, Maryland: Swartz, 2178.
Meganos formation, Eocene, California: Kew, 1157, 1159.
Meganos formation, Tertiary, California: Taliaferro, 2187.

Memphremagog group, Vermont: Richardson, 1864.
Memphremagog slates, Ordovician, Vermont: Richardson, 1863.
Menard limestone, Mississippian, Illinois: Shaw, 2035.
Menard limestone, Mississippian, Kentucky: Weller, 2426.
Mendez formation, Eocene, Mexico: VerWiebe, 2346.
Mendota formation, Cambrian, Wisconsin: Thwaites, 2245.
Menefee formation, Cretaceous, Colorado: Reeside, 1828.
Mentor beds, Cretaceous, Kansas: Twenhofel, 2295.
Meramec group, Mississippian, Missouri: Wilson, 2497.
Meramec series, Mississippian, Missouri and Illinois: Krey, 1293.
Merom sandstone, Pennsylvanian, Indiana: Logan, 1402.
Mercer formation, Pennsylvanian, Pennsylvania: Renick, 1851.
Mercer (Upper) limestone, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Mercer (Upper) shale, Pennsylvanian, Maryland: Swartz, 2177.
Mesa Negra beds, Tertiary, Nevada: Keyes, 1192.
Mesa Verde formation, Cretaceous, Arizona: Reagan, 1807.
Mesaverde formation, Cretaceous, Wyoming: Condit, 433; Fath and Moulton, 670.
Mesaverde group, Cretaceous, Colorado: Sears, 2010.
Mesaverde group, Cretaceous, Colorado and New Mexico: Reeside, 1828.
Mesa Verde terrane, Cretaceous, Colorado: Keyes, 1227.
Mescal limestone, Cambrian, Arizona: Ransome, 1792.
Meson formation, Oligocene, Mexico: Vaughan, 2343; VerWiebe, 2346.
Messines formation, Devonian, British Columbia: Walcott, 2357.
Meyersdale red shale, Pennsylvanian, Maryland: Swartz, 2177.
Meyersdale red shale, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Midway formation, Eocene, Georgia: Prettyman and Cave, 1776.
Midway formation, Eocene, Mexico: VerWiebe, 2346.
Midway formation, Eocene, Texas: Fohs, 701; Trowbridge, 2272.
Midway formation, Tertiary, Arkansas: Schneider, 1981.
Midway group, Eocene, Alabama: Vaughan, 2343.
Midway group, Eocene, Mississippi: Lowe, 1427.
Midway series, Eocene, Mississippi: Morse, 1637.
Miette sandstones, pre-Cambrian, British Columbia: Burling, 260.
Millett clays, Tertiary, Nevada: Keyes, 1192.
Millwood series, Cretaceous, Manitoba: Ells, 634.
Milton dolomite, Cambrian, Vermont: Keith, 1139.
Milton formation, Cambrian, Vermont: Raymond, 1804.
Milton formation, Jurassic, California: Goranson, 771.
Milwaukee formation, Devonian, Wisconsin: Thwaites, 2245.
Mineola limestone, Devonian, Missouri: Branson, 199, 200; Krey, 1293.
Minnekahta limestone, Carboniferous, South Dakota: O'Harra, 1678.
Minnewaste terrane, Jurassic, Colorado: Keyes, 1227.
Mint Canyon formation, Miocene, California: Kew, 1157, 1159.
Mint Spring calcareous marl member, Oligocene, Mississippi: Vaughan, 2343.
Missi (Upper) series, pre-Cambrian, Manitoba: Alcock, 9.
Missisquoi group, Cambrian, Vermont: Richardson, 1864.
Mississippian series, Carboniferous, Colorado: Keyes, 1227.
Missouri formation, Pennsylvanian, Iowa: Howell, 1000.
Missouri group, Pennsylvanian, Missouri: Wilson, 2497.
Missouri Mountain shale, Silurian, Arkansas: Purdue and Miser, 1784.
Missouri Mountain slate, Silurian, Arkansas: Miser, 1591.
Missouri Mountain slate, Silurian, Oklahoma: Honess, 975.
Modelo formation, Miocene, California: Kew, 1157, 1159.
Modin formation, Jurassic, California: Goranson, 771.
Moencopian series, Carboniferous, Colorado: Keyes, 1227.
Moenkopi formation, Permian, Utah: Prommel, 1780.
Moenkopi formation, Triassic, Utah: Longwell *et al.*, 1404; Miser, 1594, 1597.
Moenkopie beds, Triassic, Arizona: Hager, 832.
Molas formation, Carboniferous, Colorado: Keyes, 1227.
Monkton quartzite, Cambrian, Vermont: Keith, 1139.
Monon series, Cambrian, Nevada: Keyes, 1192.
Monongahela formation, Pennsylvanian, Ohio: Condit, 432.
Monongahela series, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Mons formation, Cambrian, Alberta: Keyes, 1242.
Mons formation, Ozarkian, Alberta: Walcott, 2355.
Mons formation, Ozarkian, British Columbia: Walcott, 2357.
Montana group, Cretaceous, Alberta: Allan and Rutherford, 21; Rogers and Lee, 1900.
Montell sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Monterey series, Tertiary, California: Taliaferro, 2187.
Monument Valley shales, Permian(?), Utah and Arizona: Hager, 832.
Moorefield shale, Mississippian, Arkansas: Miser, 1591.
Mooretown formation, Mississippian, Indiana: Logan, 1402.
Moose, pre-Cambrian: Keyes, 1174.

Moosebar formation, Cretaceous, British Columbia: McLearn, 1461.
Morgantown sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Morgantown sandstone, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Morgantown sandstone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Morien series, Pennsylvanian, Nova Scotia: Bell, 128; Hayes and Bell, 883.
Morman sandstone, Jurassic, California: Goranson, 771.
Morning Glory limestone, Cambrian, Nevada: Ferguson, 679.
Morrison formation, Cretaceous (?), Colorado: Sears, 2010.
Morrison formation, Cretaceous, Montana: Bauer and Robinson, 104; Bevan, 155.
Morrison formation, Cretaceous (?), Wyoming: Bradley, 191; Condit, 433; Fath and Moulton, 670.
Morrison formation, Jurassic, Colorado: Goranson, 771.
Morrisonian series, Jurassic, Colorado: Keyes, 1227.
Morrow group, Pennsylvanian, Arkansas: Miser, 1591.
Mosby sandstone, Cretaceous, Montana: Bauer and Robinson, 104; Reeves, 1836.
Mosheim limestone, Ordovician, Tennessee: Gordon, 772.
Moss porphyry, Tertiary, Arizona: Ransome, 1793.
Mountain shales, Cretaceous, Mackenzie: Whittaker, 2462.
Mount Cap formation, Cambrian, Mackenzie: Hume, 1016; Williams, 2473, 2475.
Mount Charles formation, Devonian, Mackenzie: Williams, 2475.
Mount Clark formation, Cambrian, Mackenzie: Hume, 1016; Williams, 2473, 2475.
Mount Kindle formation, Silurian, Mackenzie: Hume, 1016; Williams, 2473, 2475.
Mount Murray sills, Jurassic (?), British Columbia: Uglow, 2305.
Mount Olympus granite, pre-Cambrian, Colorado: Fuller, 721.
Mount Pleasant shales and sandstones, Mississippian, Indiana: Logan, 1402.
Mount Savage fire clay, Pennsylvanian, West Virginia: Reger, 1839.
Mount Savage sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Mount Selman formation, Eocene, Texas: Berry, 142; Trowbridge, 2272; Vaughan, 2343.
Mount Simon formation, Cambrian, Wisconsin: Thwaites, 2245.
Mount Stevens group, pre-Cambrian, Yukon: Cockfield, 392.
Mount Wilson quartzite, Alberta: Walcott, 2355.
Mount Whyte (?) formation, Cambrian, British Columbia: Walcott, 2357.
Mowrie beds, Cretaceous, South Dakota: O'Harra, 1678.
Mowry shale, Cretaceous, Montana: Bauer and Robinson, 104; Reeside, 1826; Reeves, 1836.
Mowry shale, Cretaceous, Wyoming: Fath and Moulton, 670.
Moydart formation, Silurian, Nova Scotia: McLearn, 1462.
Mumm limestones, Cambrian, British Columbia: Burling, 260.
Mural limestone formation, Cambrian, British Columbia: Burling, 260.
Murchison formation, Cambrian, Alberta: Walcott, 2355.
Muttleberry terrane, Jurassic, Nevada: Keyes, 1192.
Myrtle formation, Cretaceous, Oregon: Goranson, 771.
Nacatoch formation, Cretaceous, Arkansas: Schneider, 1981.
Nacatoch formation, Cretaceous, Arkansas and Louisiana: Hull, 1011.
Nacatoch formation, Cretaceous, Arkansas, Louisiana, and Texas: Howe, 998.
Nacatoch formation, Cretaceous, Texas: Fohs, 701.
Nacatoch sand, Cretaceous, Arkansa: Miser, 1591.
Nacatoch sand, Cretaceous, Texas: Howe, 996.
Nacimietan series, Tertiary, Colorado: Keyes, 1227.
Nacimiento group, Tertiary, New Mexico and Colorado: Reeside, 1828.
Nacogdoches beds, Tertiary, Texas: Dumble, 594.
Naheola formation, Eocene, Alabama: Vaughan, 2343.
Naknek formation, Jurassic, Alaska: Goranson, 771; Smith and Baker, 2091.
Nakumian, pre-Cambrian: Keyes, 1174.
Nanafalia formation, Eocene, Alabama: Vaughan, 2343.
Nanaimo series, Cretaceous, British Columbia: Goranson, 771; Mackenzie, 1458.
Nanjemoy formation, Eocene, Maryland: Vaughan, 2343.
Nashua marl, Pliocene, Florida: Mansfield, 1482.
Navajo sandstone, Jurassic, Utah: Longwell *et al.*, 1404; Miser, 1594, 1597.
Navajo terrane, Cretaceous, Colorado: Keyes, 1227.
Navajo (Lower) sandstone, Jurassic, Utah: Prommel, 1780.
Navarro formation, Cretaceous, Texas: Fohs, 701.
Nazlini beds, Triassic, Arizona: Reagan, 1807.
Nebraskan drift, Pleistocene, Iowa: Schoewe, 1985.
Necoxtla formation, Comanchean, Mexico: Ver Wiebe, 2346.
Neda formation, Ordovician, Wisconsin: Thwaites, 2245.
Negli Creek limestone, Mississippian, Indiana: Logan, 1402.
Negra terrane, Tertiary, Nevada: Keyes, 1192.
Nehawka limestone, Pennsylvanian, Iowa: Tilton, 2253.
Nelson Mountain quartz latite, Miocene, Colorado: Emmons and Larsen, 650.
Nelson Mountain quartz latite, Tertiary, Colorado: Knowlton, 1286.
Nemenjish formation, pre-Cambrian, Quebec: Quirke, 1789.
Nenzel rhyolite breccia, Triassic, Nevada: Knopf, 1280.
Nevadan series, Devonian, Nevada: Keyes, 1192.
Newcastle formation, Cretaceous, British Columbia: Goranson, 771.

Newkirk sand, Pennsylvanian, Oklahoma: Hosterman, 984.
Newland ("Wallace") formation, Algonkian, Idaho: Umpleby and Jones, 2316.
New Richmond beds, Wisconsin: Sardeson, 1959.
New Richmond sandstone, Ordovician, Iowa: Howell, 1000.
New Richmond sandstone, Ordovician (Canadian), Wisconsin: Thwaites, 2245.
New River group, Pennsylvanian, West Virginia: Reger, 1838.
New Scotland chert, Devonian, West Virginia: Reger, 1839.
Niagara limestone, Silurian, West Virginia: Reger, 1839.
Niagaran series, Silurian: Ulrich and Bassler, 2311.
Niagaran series, Silurian, Maryland: Swartz, 2178.
Niagaran series, Silurian, Wisconsin and Illinois: Thwaites, 2245.
Nicola series, Triassic, British Columbia: Goranson, 771.
Nikolai greenstone, Carboniferous or Triassic, Alaska: Moffit and Mertie, 1602.
Nikolai greenstone, Triassic (?), Alaska: Moffit, 1603.
Niobrara formation, Cretaceous, Montana: Reeside, 1826.
Niobrara shale, Cretaceous, Montana: Bauer, 105.
Niobrara shale, Cretaceous, Wyoming: Fath and Moulton, 670.
Niscoulithian, pre-Cambrian: Keyes, 1174.
Niverton shale, Pennsylvanian, Maryland: Swartz, 2177.
Nizina limestone, Triassic, Alaska: Goranson, 771; Moffit, 1603.
Noel shale, Mississippian, Missouri: Wilson, 2497.
Noix dolomite, Silurian, Missouri and Illinois: Krey, 1293.
Nolichucky shale, Cambrian, Tennessee: Secrist, 2014.
Nora limestone, Devonian, Iowa: Thomas, 2217.
Northumberland formation, Cretaceous, British Columbia: Goranson, 771.
Northwestern formation, pre-Cambrian, South Dakota: Hosted and Wright, 983.
Norton formation, Pennsylvanian, Virginia: Eby, 621.
Norwalk sandstone, Cambrian, Wisconsin: Thwaites, 2245.
Norwalk sandstone member, Cambrian, Wisconsin: Ulrich, 2315.
Noxlini terrane, Triassic, Colorado: Keyes, 1227.
Nugget sandstone, Jurassic, Colorado: Sears, 2010.
Nugget sandstone, Jurassic, Idaho: Kirkham, 1273.
Nussbaum terrane, Tertiary, Colorado: Keyes, 1227.
Nuttall sandstone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Oak Grove sand, Miocene, Florida: Vaughan, 2343.
Oak Hill clay, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Oakville beds, Tertiary, Texas: Dumble, 594.
Oakville formation, Miocene, Texas: Bailey, 57.
Oakville sandstone, Miocene, Texas: Trowbridge, 2272.
Oatman andesite, Tertiary, Arizona: Ransome, 1793.
Ocala limestone, Eocene, Florida: Vaughan, 2343.
Ocala limestone, Eocene, Georgia: Prettyman and Cave, 1776.
Odanah shales, Cretaceous, Manitoba: Ells,
Ogalalla terrane, Tertiary, Colorado: Keyes, 1227.
Ohara (Lower) member, Mississippian, Kentucky: Weller, 2426.
Ojo Alamo sandstone, Tertiary (?), New Mexico: Reeside, 1828.
Okaw formation, Mississippian, Illinois: Shaw, 2035.
Okaw formation, Mississippian, Missouri: Wilson, 2497.
Okefenokee formation, Pleistocene, Georgia: Prettyman and Cave, 1776.
Oldham limestone, Silurian, Kentucky: Foerste, 696.
Oneota dolomite, Ordovician, Iowa: Howell, 1000.
Oneota dolomite, Ordovician (Ozarkian), Wisconsin: Thwaites, 2245.
Oneota limestone, Minnesota: Sardeson, 1959.
Onslow syenite, pre-Cambrian, Quebec and Ontario: Wilson, 2498.
Orabai sandstone, Cretaceous, Arizona: Reagan, 1807.
Orcas group, Devonian, Washington: McLellan, 1464.
Oread limestone, Pennsylvanian, Missouri: Wilson, 2497.
Oread limestone, Pennsylvanian, Oklahoma: Rubey, 1920.
Oreana terrane, Jurassic, Nevada: Keyes, 1192.
Oreodon beds, Tertiary, South Dakota: Wanless, 2387.
Oreopolis limestone, Pennsylvanian, Iowa: Tilton, 2253.
Oriskany sandstone, Devonian, West Virginia: Reger, 1839.
Orleans phyllite, Vermont: Jacobs, 1043.
Osage group, Mississippian, Missouri: Wilson, 2497.
Osage series, Mississippian, Iowa: Schoewe, 1985.
Osage series, Mississippian, Missouri and Illinois: Krey, 1923.
Oswego sandstone, Ordovician, Pennsylvania and New York: Foerste, 697.
Otis beds, Devonian, Iowa: Thomas, 2217.
Otis limestone, Devonian, Illinois: Savage, 1964.
Otis member, Devonian, Iowa: Schoewe, 1985.
Ottertailian series, Cambrian, Alberta: Keyes, 1242.
Otterville limestone, Carboniferous, Oklahoma: Girty and Roundy, 757.
Ottosee shale, Ordovician, Tennessee: Gordon, 772.
Ouray terrane, Devonian, Colorado: Keyes, 1227.
Outlet Tunnel quartz latite, Miocene, Colorado: Emmons and Larsen, 650.
Outlet Tunnel quartz latite, Tertiary, Colorado: Knowlton, 1286.
Owen substage, Devonian, Iowa: Fenton and Fenton, 677.
Ozarkian system: Walcott, 2355.
Ozuluama beds, Oligocene, Mexico: VerWiebe, 2346.
Paget formation, Cambrian, Alberta: Keyes, 1242.
Pahala series, Hawaiian Islands: Clark and Noble in Washington, 2400.
Pahranagat terrane, Ordovician, Nevada: Keyes, 1192.

Paint Creek formation, Mississippian, Illinois: Shaw, 2035.
Paint Creek formation, Mississippian, Missouri: Wilson, 2497.
Paint Creek limestone, Mississippian, Kentucky: Weller, 2426.
Paint Lick member, Ordovician, Kentucky: Foerste, 697.
Palestine sandstone, Mississippian, Illinois: Shaw, 2035.
Palestine sandstone, Mississippian, Kentucky: Weller, 2426.
Palisade andesite, Tertiary, Colorado: Knowlton, 1286.
Palms quartz slate, pre-Cambrian, Wisconsin and Minnesota: Hotchkiss, 990.
Paluxy formation, Cretaceous, Texas: Fohs, 701.
Pamelia limestone, Ordovician, Ontario: Kindle, 1259.
Panama formation, Tertiary, Panama Canal Zone: MacDonald, 1445.
Panamintan series, Cambrian, Nevada: Keyes, 1192.
Paoli formation, Mississippian, Indiana: Logan, 1402.
Papagallos formation, Cretaceous, Mexico: Ver Wiebe, 2346.
Park City formation, Pennsylvanian and Permian, Colorado: Sears, 2010.
Parsons Bay group, Triassic, British Columbia: Goranson, 771.
Pasayten series, Cretaceous, British Columbia: Cairnes, 282.
Pasayten series, Cretaceous, British Columbia and Washington: Goranson, 771.
Pascagoula clay, Miocene, Mississippi: Lowe, 1427.
Patillas quartz monzonite, Porto Rico: Fettke, 686.
Patuxent formation, Cretaceous, District of Columbia: Wentworth, 2432.
Patuxent formation, Cretaceous, North Carolina: Stephenson, 2143.
Pawhuska limestone, Pennsylvanian, Oklahoma: Hosterman, 984.
Pawnee limestone member, Pennsylvanian, Missouri: Wilson, 2497.
Payette formation, Neocene, Idaho: Buwalda, 274.
Peach Bottom slate, pre-Cambrian, Maryland and Pennsylvania: Knopf and Jonas, 1282.
Peedee formation, Cretaceous, North Carolina: Stephenson, 2143.
Pennington shale, Mississippian, Virginia: Eby (Stose), 621.
Penters chert, Devonian, Arkansas: Miser, 1591.
Peñuelas shale, Cretaceous, Porto Rico: Mitchell, 1598.
Peorian interglacial deposits, Pleistocene, Iowa: Schoewe, 1985.
Perkins volcanics, Cretaceous, Yukon: Cockfield, 392.
Petersburg division, Pennsylvanian, Indiana: Logan, 1402.
Peters Creek formation, pre-Cambrian, Pennsylvania: Jonas, 1112.
Peters Creek schist, pre-Cambrian, Maryland: Jonas, 1113.
Peters Creek schist, pre-Cambrian, Maryland and Pennsylvania: Knopf and Jonas, 1282.
Peterson limestone, Cretaceous, Idaho: Kirkham, 1273.
Phelps sandstone, Mississippian, Missouri: Branson, 199; Wilson, 2497.
Phoenix Park quartz latite, Miocene, Colorado: Emmons and Larsen, 650.
Phoenix Park quartz latite, Tertiary, Colorado: Knowlton, 1286.
Phosphoria formation, Carboniferous, Montana: Bevan, 155.
Phosphoria formation, Pennsylvanian, Idaho: Kirkham, 1273.
Phosphoria formation, Triassic, Wyoming: Condit, 433.
Pico formation, Pliocene, California: Kew, 1157, 1159.
Picturecliff terrane, Tertiary, Colorado: Keyes, 1227.
Pictured Cliffs sandstone, Cretaceous, New Mexico: Reeside, 1828.
Piedra formation, Tertiary, Colorado: Knowlton, 1286.
Piedra group, Miocene, Colorado: Emmons and Larsen, 650.
Pierre formation, Cretaceous, South Dakota: O'Harra, 1678; Wilson and Ward, 2505.
Pierre shale, Cretaceous, Montana: Bauer, 105.
Pierre shale, Cretaceous, New Mexico: Lee, 1341.
Pierre shale, Cretaceous, South Dakota: Wanless, 2387; Ward and Moulton, 2392.
Pierrean series, Cretaceous, Colorado: Keyes, 1227.
Pikian series, pre-Cambrian, Colorado: Keyes, 1227.
Pinal schist, pre-Cambrian, Arizona: Ransome, 1792.
Pinean series, Devonian, Nevada: Keyes, 1192.
Pine Creek limestone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Pine Nut limestone, Cambrian, Nevada: Ferguson, 679.
Pine Point limestone, Devonian, Mackenzie: Hume, 1016.
Pineville sandstone, Pennsylvanian, West Virginia: Reger, 1838.
Pintoan series, Cambrian, Nevada: Keyes, 1192.
Pinyon series, Ordovician, Nevada: Keyes, 1192.
Pioneer shale, Cambrian, Arizona: Ransome, 1792.
Pipestone formation, Devonian, British Columbia: Walcott, 2357.
Piran series, Cambrian, Alberta: Keyes, 1242.
Pit shales, Triassic, California: Goranson, 771.
Pitkin limestone, Mississippian, Arkansas: Miser, 1591.
Pittsburgh red shale, Pennsylvanian, Maryland: Swartz, 2177.
Pittsburgh red shale, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Pittsburgh sandstone, Pennsylvanian, West Virginia: Reger, 1839.
Pittsburgh (Lower) limestone, Pennsylvanian, Maryland: Swartz, 2177.
Pittsburgh (Lower) sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Pittsburgh (Lower) sandstone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Pittsburgh (Upper) limestone, Pennsylvanian, Maryland: Swartz, 2177.

Pittsburgh (Upper) sandstone, Pennsylvanian, West Virginia: Reger, 1838.
Piutean series, Tertiary, Nevada: Keyes, 1192.
Plaisance limestone, Eocene, Haiti: Vaughan, 2343; Woodring, 2533.
Platteville formation, Ordovician, Iowa: Howell, 1000.
Platteville limestone, Ordovician, Wisconsin: Thwaites, 2245.
Platteville limestone, Ordovician, Wisconsin and Minnesota: Sardeson, 1960.
Platteville (Trenton) limestone, Ordovician, Illinois: Bretz, 205.
Plattin formation, Ordovician, Missouri: Wilson, 2497.
Plattin limestone, Ordovician, Arkansas: Miser, 1591.
Plattin limestone, Ordovician, Missouri: Branson, 200; Keyes, 1171.
Plattin limestone, Ordovician, Missouri and Illinois: Krey, 1293.
Plattsburg limestone, Pennsylvanian, Iowa: Tilton, 2253.
Plattsburg limestone, Pennsylvanian, Missouri: Wilson, 2497.
Pleasanton shale, Pennsylvanian, Missouri: Wilson, 2497.
Pleito formation, Oligocene, California: Wagner and Schilling, 2352.
Pluma formation, pre-Cambrian, South Dakota: Hosted and Wright, 983.
Plum Creek clay, Silurian, Kentucky: Foerste, 696.
Pochuck gneiss, pre-Cambrian, New Jersey: Alling, 29.
Pocono formation, Mississippian, Pennsylvania: Butts, 270.
Pocono series, Mississippian, West Virginia: Reger, 1838, 1839.
Pogonipan series, Ordovician, Nevada: Keyes, 1192.
Point Edward formation, Pennsylvanian, Nova Scotia: Hayes and Bell, 883.
Point Grey formation, Pleistocene, British Columbia: Johnston, 1107.
Point Lookout sandstone, Cretaceous, Colorado: Reeside, 1828.
Poison Canyon beds, Tertiary, Colorado: Keyes, 1227.
Pokegama quartzite, pre-Cambrian, Minnesota: Gruner, 822.
Polk Creek shale, Ordovician, Arkansas: Miser, 1591; Purdue and Miser, 1784.
Polk Creek shale, Ordovician, Oklahoma: Honess, 975.
Ponce formation, Tertiary, Porto Rico: Mitchell, 1598.
Pontotoc series, Pennsylvanian, Oklahoma: Dunbar, 599; Morgan, 1630, 1634.
Pontotoc terrane, Carboniferous, Oklahoma: Morgan, 1632.
Portage shale, Devonian, Virginia: Eby (Stose), 621; Stose, 2164.
Portage series, Devonian, West Virginia: Reger, 1838, 1839.
Porters Creek clay, Eocene, Mississippi: Buchard, 257; Morse, 1637.
Portersville limestone, Pennsylvanian, West Virginia: Reger, 1839.
Portersville limestone and shale, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Post-Huronian interval, pre-Cambrian: Young, 2554.
Post-Loganian interval, pre-Cambrian: Young, 2554.
Potem formation, Jurassic, California: Goranson, 771.
Potosi dolomite, Ozarkian, Missouri: Wilson, 2497.
Potosi volcanic series, Miocene, Colorado: Emmons and Larsen, 650.
Potosi volcanic series, Tertiary, Colorado: Knowlton, 1286.
Potsdam formation, Cambrian, Ontario: Wright, 2545.
Potsdam or Croixan sandstone, Cambrian, Illinois: Bretz, 205.
Potsdam quartzite, Cambrian (?), Vermont: Keith, 1139.
Potter formation, Pliocene (?), Texas: Patton, 1728.
Pottsville formation, Pennsylvanian, Illinois: Shaw, 2035.
Pottsville formation, Pennsylvanian, Maryland: Swartz, 2177.
Pottsville formation, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Pottsville series, Pennsylvanian, Pennsylvania: Renick, 1851.
Pottsville series, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Powell formation, Canadian, Missouri: Wilson, 2497.
Powell limestone, Ordovician, Arkansas: Miser, 1591.
Prairie du Chien, Minnesota: Sardeson, 1959.
Prairie du Chien formation, Ordovician, Iowa: Howell, 1000.
Prairie du Chien formation, Ordovician, Wisconsin and Illinois: Thwaites, 2245.
Prairie du Chien (Lower Magnesian) limestone, Ordovician, Illinois: Bretz, 205.
Presqu'ile dolomite, Devonian, Mackenzie: Hume, 1016.
Preston beds, Cretaceous, Texas: Fohs, 701.
Preston limestone member, Pennsylvanian, Iowa: Tilton, 2253.
Preuss formation, Jurassic, Idaho: Kirkham, 1273.
Price sandstone, Mississippian, Virginia: Eby (Stose), 621.
Prichard formation, Algonkian, Idaho: Umpleby and Jones, 2316.
Prince Rupert formation, Carboniferous or Triassic, British Columbia: Dolmage, 568.
Princeton conglomerate, Mississippian, West Virginia: Reger, 1838.
Proctor formation, Ozarkian, Missouri: Wilson, 2497.
Proserpine dykes and sills, British Columbia: Uglow, 2305.
Prospect Point eruptives, post-Eocene, British Columbia: Johnston, 1107.
Prospectan series, Cambrian, Nevada: Keyes, 1192.

Protection formation, Cretaceous, British Columbia: Goranson, 771.
Proterozoic time, pre-Cambrian: Young, 2554.
Puerco formation, Tertiary, New Mexico and Colorado: Reeside, 1828.
Puerco terrane, Tertiary, Colorado: Keyes, 1227.
Purgatoire formation, Cretaceous, Colorado: Keyes, 1227.
Quadrant formation, Carboniferous, Montana: Bevan, 155.
Quadrant formation, Pennsylvanian (?), Montana: Bauer and Robinson, 104.
Quakertown black shale, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Quakertown shale, Pennsylvanian, Maryland: Swartz, 2177.
Quartermaster formation, Permian, Oklahoma: Gould, 788; Sawyer, 1970.
Quartermaster formation, Permian, Texas: Patton, 1728.
Quebradillas limestone, Tertiary, Porto Rico: Hubbard, 1002.
Queen Charlotte series, Cretaceous, British Columbia: Goranson, 771.
Queenston member, Ordovician, Ontario: Foerste, 697.
Queenston shale, Ordovician, New York and Ontario: Foerste, 697.
Rabbitskin sandstone, Cretaceous, Mackenzie: Whittaker, 2462.
Rabble Run red sandstone member, Silurian, Maryland: Swartz, 2178.
Raleigh (Upper) sandstone, Pennsylvanian, West Virginia: Reger, 1838.
Ramparts limestone, Devonian, Mackenzie: Hume, 1013, 1016.
Rangeley conglomerate, Devonian (?), Maine: Smith, 2072.
Raton formation, Eocene, New Mexico: Lee, 1341.
Raton Hills formation, Tertiary, Colorado: Keyes, 1227.
Ratonan series, Tertiary, Colorado: Keyes, 1227.
Rat Creek quartz latite, Miocene, Colorado: Emmons and Larsen, 650.
Rat Creek quartz latite, Tertiary, Colorado: Knowlton, 1286.
Ravenscrag beds, Saskatchewan: Sternberg, 2144.
Raytown limestone member, Pennsylvanian, Missouri: Wilson, 2497.
Readsboro schist, Ordovician, Vermont: Hubard, 1004.
Red Bluff clay, Oligocene, Mississippi: Vaughan, 2343.
Red Creek beds, pre-Cambrian, Colorado: Keyes, 1227.
Redhill sandstone, Tertiary, Nevada: Keyes, 1192.
Red Medina series, Silurian, West Virginia: Reger, 1839.
Redstone sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Red Wall limestone, Mississippian, Arizona: Keyes, 1169.
Reeder sandstone, Cretaceous, Kansas: Twenhofel, 2295.
Reedsville shale, Ordovician, Virginia: Eby (Stose), 621.
Reelsville formation, Mississippian, Indiana: Logan, 1402.
Remmel batholith, Cretaceous (?), British Columbia: Cairnes, 282.
Renault formation, Mississippian, Illinois: Shaw, 2035.
Renault formation, Mississippian, Missouri: Wilson, 2497.
Renault limestone, Mississippian, Kentucky: Weller, 2426.
Revett quartzite, Algonkian, Idaho: Umpleby and Jones, 2316.
Reynales limestone, Silurian, New York: Ulrich and Bassler, 2312.
Reynosa formation, Pliocene, Mexico: VerWiebe, 2346.
Reynosa formation, Pliocene (?), Texas: Trowbridge, 2272.
Rican series, Carboniferous, Colorado: Keyes, 1227.
Rice Lake formation, pre-Cambrian, Ontario: Burwash, 266.
Richard sandstone, Cretaceous, Colorado: Ball, 70.
Richmond formation, Ordovician, Ontario and Quebec: Foerste, 697.
Richmond formation, Tertiary, Jamaica: Trechman, 2268.
Richmond group, Ordovician, Wisconsin and Illinois: Thwaites, 2245.
Richmond group, Silurian: Ulrich and Bassler, 2311.
Richter sand, Pennsylvanian, Oklahoma: Hosterman, 984.
Rico formation, Carboniferous, Utah: Prommel, 1780.
Ridgeley sandstone, Devonian, West Virginia: Reger, 1839.
Ringold formation, Pliocene (?), Washington: Jenkins, 1061.
Rio Blanco series, Cretaceous, Porto Rico: Hubbard, 1002.
Rio Culebrinas series, Cretaceous, Porto Rico: Hubbard, 1002.
Rio Yauco series, Cretaceous, Porto Rico: Hubbard, 1002.
Rio Yauco shale, Cretaceous, Porto Rico: Mitchell, 1598.
Ripley formation, Cretaceous, Georgia: Prettyman and Cave, 1776.
Ripley formation, Cretaceous, Mississippi: Lowe, 1427; Morse, 1637.
Riverside sandstones, Mississippian, Indiana: Logan, 1401.
Roan gneiss, pre-Cambrian, North Carolina: Bayley, 106.
Roberts iron ore, Silurian, Maryland: Swartz, 2178.
Robinson shales, Nevada: Keyes, 1220.
Robinson terrane, Devonian, Nevada: Keyes, 1192.
Robson limestones, Ordovician, British Columbia: Burling, 260.
Rochester formation, Silurian, Maryland: Swartz, 2178.
Rochester shale, Silurian, New York: Ulrich and Bassler, 2312.
Rochester trachyte, Triassic, Nevada: Knopf, 1280.
Rockford limestone, Mississippian, Indiana: Logan, 1401.

Rockport terrane, Cretaceous, Colorado: Keyes, 1227.
Rocky Mountain quartzite, Pennsylvanian, British Columbia: Kindle, 1266.
Rocky Ridge sandstone, Cretaceous, Colorado: Ball, 70.
Rogersville shale, Cambrian, Tennessee: Secrist, 2014.
Rondout waterlime, Siurian, West Virginia: Reger, 1839.
Rosebud beds, Tertiary, South Dakota: Wanless, 2387.
Rosedale member, Ordovician, Ontario: Parks, 1716, 1717.
Rose Hill formation, Silurian, Maryland: Swartz, 2178.
Rosiclare sandstone member, Mississippian. Kentucky: Weller, 2426.
Ross Brook formation, Silurian, Nova Scotia: McLearn, 1462.
Rossian, pre-Cambrian: Keyes, 1174.
Rossland group, Triassic, British Columbia: Goranson, 771.
Roubidoux, Canadian, Missouri: Wilson, 2497.
Round Knob shale, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Round Rock member, Tertiary, Nevada: Ferguson, 679.
Rubyan series, Cambrian, Nevada: Keyes, 1192, 1220.
Rulo limestone, Penneylvanian, Iowa: Tilton, 2253.
Rundle limestone, Pennsylvanian, British Columbia: Kindle, 1266.
Rundlian, Carboniferous, Alberta: Keyes, 1242.
Rustler formation, Permian, Texas: Udden, 2302.
Rutland dolomite, Cambrian, Vermont: Keith, 1139.
Rutledge limestone, Cambrian, Tennessee: Secrist, 2014.
Saanich granodiorite, Jurassic, British Columbia: Mackenzie, 1458.
Sabine formation, Cambrian, British Columbia: Walcott, 2357.
Sac limestone, Mississippian, Missouri: Wilson, 2497.
Saganaga granite, pre-Cambrian, Minnesota: Schwartz, 2001.
Sage Hen sandstone, Cretaceous, Montana: Bauer and Robinson, 104.
Sailor Canyon formation, Triassic, California: Goranson, 771.
Saint Bartholomew limestone, Eocene, Saint Bartholomew, West Indies: Vaughan, 2343.
St. Clair limestone, Silurian, Arkansas: Miser, 1591.
St. Croix group, Cambrian, Wisconsin: Thwaites, 2245.
Ste. Genevieve limestone, Mississippian, Kentucky: Weller, 2426.
Ste. Genevieve limestone, Mississippian, Missouri and Illinois: Krey, 1293.
St. Laurent limestone, Devonian, Missouri: Wilson, 2497.
St. Lawrence dolomite, Cambrian, Wisconsin: Thwaites, 2245.
St. Lawrence formation, Cambrian, Minnesota: Ulrich, 2315.
Saint Lawrence formation, Minnesota: Sardeson, 1959.
St. Louis limestone, Mississippian, Kentucky: Weller, 2426.
St. Louis Limestone, Mississippian, Missouri: Shipton, 2055; Wilson, 2497.
St. Louis limestone, Mississippian, Missouri and Illinois: Krey, 1293.
Saint Marys formation, Miocene, Maryland: Vaughan, 2343.
St. Maurice formation, Eocene, Louisiana: Berry, 142.
Saint Maurice formation, Louisiana: Vaughan, 2343.
St. Maurice formation, Eocene, Arkansas and Louisiana: Teas, 2198.
St. Peter formation, Ordovician, Iowa: Howell, 1000.
St. Peter formation, Ordovician, Wisconsin and Illinois: Thwaites, 2245.
St. Peter group, Ordovician, Missouri and Illinois: Krey, 1293.
Saint Peter sandstone, Minnesota: Sardeson, 1959.
St. Peter sandstone, Ordovician, Arkansas: Miser, 1591.
St. Peter sandstone, Ordovician, Illinois: Bretz, 205.
St. Peter sandstone, Ordovician, Missouri: Branson, 200; Wilson, 2497.
St. Regis formation, Algonkian, Idaho: Umpleby and Jones, 2316.
Salem formation, Mississippian, Missouri: Shipton, 2055.
Salem limestone, Mississippian, Missouri: Wilson, 2497.
Salem limestone, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Saline River formation, Cambrian, Mackenzie: Hume, 1016; Williams, 2473, 2475.
Salmon, pre-Cambrian: Keyes, 1174.
Salt Lake formation, Pliocene, Idaho: Kirkham, 1273; Piper, 1760.
Saltsburg sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Saltsburg sandstone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Sample sandstone, Mississippian, Indiana: Logan, 1402.
San Augustine formation, Tertiary, Texas: Dumble, 594.
Sandy Huff shales, Pennsylvanian, West Virginia: Reger, 1838.
San Emigdio formation, Oligocene, California: Wagner and Schilling, 2352.
San Felipe formation, Cretaceous, Mexico: VerWiebe, 2346.
San Fernando formation, Eocene, Trinidad: Vaughan, 2343.
Sangamon deposits, Pleistocene, Iowa: Schoewe, 1985.
San German limestone, Cretaceous, Porto Rico: Mitchell, 1598.
San Juan formation, Cretaceous, Mexico: Dumble and Applin, 593; VerWiebe, 2346.
San Juan formation, Quaternary, Porto Rico: Hubbard, 1002; Mitchell, 1598.
San Juan series, Paleozoic, Washington: McLellan, 1464.

San Juan tuff, Tertiary, Colorado: Knowlton, 1286.
San Juan Raya formation, Cretaceous, Mexico: VerWiebe, 2346.
San Lorenzo group, Oligocene, California: Wagner and Schilling, 2352.
San Lorenzo quartz diorite, Porto Rico: Fettke, 686.
San Miguel limestone, Cretaceous or Tertiary, Costa Rica: Redfield, 1814.
San Pablo formation, Tertiary, California: Louderback, 1415.
San Pedro formation, Pleistocene, California: Kew, 1157.
San Rafael formation, Oligocene, Mexico: Vaughan, 2343; VerWiebe, 2346.
San Sebastian shale, Tertiary, Porto Rico: Hubbard, 1002.
San Simon terrane, Carboniferous, Nevada: Keyes, 1192.
Santa Fe terrane, Tertiary, Colorado: Keyes, 1227.
San Tamaulipas formation, Cretaceous, Mexico: Dumble and Applin, 593.
Sarbach formation, Ordovician, Alberta: Walcott, 2355.
Sarbach ? formation, Ordovician, British Columbia: Walcott, 2357.
Sarceen series, Ozarkian: Walcott, 2355.
Sasakwa limestone member, Pennsylvanian, Oklahoma: Morgan, 1632, 1634.
Satilla formation, Pleistocene, Georgia: Prettyman and Cave, 1776.
Saugus formation, Pliocene and Pleistocene, California: Kew, 1157, 1159.
Saunders formation, Cretaceous, Alberta: Allan and Rutherford, 24.
Saunders group, Cretaceous, Alberta: Allan and Rutherford, 21.
Saunders (Lower) formation, Cretaceous, Alberta: Allan and Rutherford, 21.
Saunders (Upper) formation, Cretaceous, Alberta: Allan and Rutherford, 21.
Sauquoit formation, Silurian, New York: Ulrich and Bassler, 2312.
Savanna formation, Pennsylvanian, Arkansas: Miser, 1591.
Savanna sandstone, Pennsylvanian, Oklahoma: Morgan, 1632.
Saverton shale, Mississippian, Missouri: Wilson, 2497.
Sawatchan series, Cambrian, Colorado: Keyes, 1227.
Sawback limestone, Cambrian, British Columbia: Kindle, 1266.
Sawbackian series, Cambrian, Alberta: Keyes, 1242.
Scanlan conglomerate, Cambrian, Arizona: Ransome, 1792.
Scranton shale, Pennsylvanian, Missouri: Wilson, 2497.
Schell shales, Ordovician, Nevada: Keyes, 1220.
Schell terrane, Ordovician, Nevada: Keyes, 1192.
Seaforth limestone, Tertiary, Antigua: Earle, 615.
Secretan series, Cambrian, Nevada: Keyes, 1192, 1220.
Selinsgrove limestone, Devonian, West Virginia: Reger, 1839.
Selkirkic period, pre-Cambrian, Colorado: Keyes, 1227.
Selma chalk formation, Cretaceous, Mississippi: Lowe, 1427.
Selma chalk, Cretaceous, Mississippi: Morse, 1637.
Seminole conglomerate, Pennsylvanian, Oklahoma: Dunbar, 599; Morgan, 1634.
Seminole formation, Pennsylvanian, Oklahoma: Morgan, 1632.
Senora formation, Pennsylvanian, Oklahoma: Morgan, 1632.
Sentinel Butte shale member, Eocene, Northern Great Plains: Thom and Dobbin, 2211.
Sequatchie formation, Ordovician, Virginia: Eby (Stose), 621.
Sespe formation, Oligocene (?), California: Kew, 1157, 1159.
Sespe formation, Tertiary, California: Taliaferro, 2187.
Setters formation, pre-Cambrian, Maryland and Pennsylvania: Knopf and Jones, 1282.
Setters quartzite, pre-Cambrian, Maryland: Jonas, 1113.
Severy shale, Pennsylvanian, Missouri: Wilson, 2497.
Sewickley limestone, Pennsylvanian, Maryland: Swartz, 2177.
Sewickley limestone, Pennsylvanian, West Virginia: Reger, 1839.
Sewickley sandstone, Pennsylvanian, West Virginia: Reger, 1839.
Sewickley (Lower) sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Sewickley (Upper) sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Sextant formation, Devonian, Ontario: Kindle, 1262.
Sexton Creek formation, Silurian, Missouri: Wilson, 2497.
Sexton Creek limestone, Silurian, Missouri and Illinois: Krey, 1293.
Shady limestone, Cambrian, Tennessee: Secrist, 2014.
Skakopee dolomite, Ordovician, Iowa: Howell, 1000.
Skakopee dolomite, Ordovician (Canadian), Wisconsin and Illinois: Thwaites, 2245.
Shakopee limestone, Minnesota: Sardeson, 1959.
Shannon sandstone, Cretaceous, Wyoming: Bauer and Robinson, 104.
Sharon sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Sharon sandstone, Pennsylvanian, West Virginia: Reger, 1839.
Shawnee formation, Pennsylvanian, Missouri: Wilson, 2497.
Shawnee stage, Pennsylvanian, Iowa: Tilton, 2253.
Sheffield formation, Devonian, Iowa: Fenton and Fenton, 677.
Sheguiandah member, Ordovician, Ontario: Foerste, 697.
Shelburne marble, Cambrian, Vermont: Keith, 1139.
Shelikof formation, Jurassic, Alaska: Smith and Baker, 2091.

Shelton Cliff sandstone, Pennsylvanian, Indiana: Logan, 1402.
Shenandoah limestone, Cambro-Ordovician, Pennsylvania: Stose and Jonas, 2160.
Sherbrookian series, Cambrian, Alberta: Keyes, 1242.
Sherman marble, Ordovician, Vermont: Hubbard, 1004.
Sheroli formation, Miocene, Costa Rica: Redfield, 1814.
Shinarump conglomerate, Triassic, Arizona: Hager, 832; Reagan, 1807.
Shinarump conglomerate, Triassic, Utah: Longwell *et al.*, 1404; Miser, 1594, 1597.
Shinarump conglomerate series, Triassic, Utah: Prommel, 1780.
Shinarumpan terrane, Triassic, Colorado: Keyes, 1227.
Shoal Creek limestone member, Pennsylvanian, Illinois: Shaw, 2035.
Shoal River formation, Miocene, Florida: Vaughan, 2343.
Shriver chert, Devonian, West Virginia: Reger, 1839.
Shuswap granites, pre-Cambrian: Keyes, 1174.
Siberia limestone, Mississippian, Indiana: Logan, 1402.
Sicamous, pre-Cambrian: Keyes, 1174.
Sicker series, Jurassic, British Columbia: Goranson, 771.
Sillery formation, Ordovician, Quebec: Clark, 354.
Silverton volcanic series, Tertiary, Colorado: Knowlton, 1286.
Simpson formation, Devonian, Mackenzie: Williams, 2473.
Simpson formation, Ordovician, Oklahoma: Edson, 624; Morgan, 1632.
Simpson shale, Devonian, Mackenzie: Hume, 1016; Williams, 2475.
Sinclair formation, Ordovician, British Columbia: Walcott, 2357.
Skagit volcanic formation, Tertiary, British Columbia: Cairnes, 282.
Skelt shale, Pennsylvanian, West Virginia: Reger, 1838.
Skeena formation (?), Cretaceous, British Columbia: Hanson, 853, 856.
Skeena series, Cretaceous, British Columbia: Goranson, 771.
Skidegate formation, Cretaceous, British Columbia: Goranson, 771.
Slave Point limestone, Devonian, Mackenzie: Hume, 1016.
Snow Hill calcareous member, Cretaceous, North Carolina: Stephenson, 2143.
Snyder Creek shales, Devonian, Missouri: Branson, 199, 200.
Sodus shale, Silurian, New York: Ulrich and Bassler, 2312.
Sooke formation, Tertiary, British Columbia: Clark and Arnold, 345.
Soultan, pre-Cambrian: Keyes, 1174.
Spence Bridge series, Tertiary, British Columbia: Cairnes, 279.
Spergen or Salem limestone, Mississippian, Kentucky: Weller, 2426.
Spokane glaciation, Pleistocene, Washington: Bretz, 207.
Sprayan series, Triassic, Alberta: Keyes, 1242.
Spray River formation, Triassic, British Columbia: Kindle, 1266.
Spring Creek member, Cretaceous, Kansas: Twenhofel, 2295.
Springer member, Carboniferous, Oklahoma: Girty and Roundy, 757.
Springfield dolomite, Silurian, Ohio: Foerste, 696.
Stanley shale, Carboniferous, Oklahoma: Honess, 974.
Stanley shale, Mississippian, Arkansas: Purdue and Miser, 1784.
Stanley shale, Pennsylvanian, Oklahoma: Honess, 975, 976.
Stanton limestone, Pennsylvanian, Iowa: Tilton, 2253.
Stanton limestone, Pennsylvanian, Missouri: Wilson, 2497.
Staran series, Triassic, Nevada: Keyes, 1192, 1220.
Star Peak formation, Triassic, Nevada: Knopf, 1280.
Star Peak limestone, Triassic, Nevada: Keyes, 1192.
State Quarry beds, Devonian, Iowa: Thomas, 2217.
State Quarry limestone, Devonian, Iowa: Schoewe, 1985.
Staunton division, Pennsylvanian, Indiana: Logan, 1402.
Steele shale, Cretaceous, Wyoming: Fath and Moulton, 670.
Stephensian series, Cambrian, Alberta: Keyes, 1242.
Steptoean series, Ordovician, Nevada: Keyes, 1192, 1220.
Stokes Hill sandstone, Cretaceous, Kansas: Twenhofel, 2295.
Stonehouse formation, Silurian, Nova Scotia: McLearn, 1462.
Stratford formation, Permian, Oklahoma: Morgan, 1632.
Strelna formation, Mississippian (?), Alaska: Moffit, 1603.
Strelna formation, Mississippian, Alaska: Moffit and Mertie, 1602.
Striped Peak formation, Algonkian, Idaho: Umpleby and Jones, 2316.
Stuart shale, Pennsylvania, Oklahoma: Morgan, 1632.
Stump formation, Jurassic, Idaho: Kirkham, 1273.
Sturm limestone, Pennsylvanian, Iowa: Tilton, 2253.
Sucarnochee clay, Eocene, Alabama: Vaughan, 2343.
Sullivan formation, Cambrian, Alberta: Walcott, 2355.
Sullivanian series, Cambrian, Alberta: Keyes, 1242.
Sulphur Springs formation, Mississippian, Missouri: Wilson, 2497.
Summitville andesite, Tertiary, Colorado: Knowlton, 1286.
Sundance formation, Jurassic, Wyoming: Condit, 433; Fath and Moulton, 670.
Sundance terrane, Jurassic, Colorado: Keyes, 1227.

Sundance-Ellis formation, Jurassic, Montana: Bauer and Robinson, 104.
Sunset sandstone, Cretaceous, Alberta: MacVicar, 1466.
Supai (?) formation, Permian, Utah: Miser, 1594, 1597.
Supaian series, Carboniferous, Colorado: Keyes, 1227.
Superioric period, pre-Cambrian, Colorado: Keyes, 1227.
Suretka conglomerate, Tertiary, Costa Rica: Redfield, 1814.
Sutton limestone, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Sutton limestone, Triassic, British Columbia: Goranson, 771.
Swan Peak quartzite, Ordovician, Idaho: Piper, 1760.
Swanton conglomerate, Ordovician, Vermont: Keith, 1139.
Swearinger slate, Triassic, California: Goranson, 771.
Sweetland Creek shale, Devonian, Illinois: Krey, 1293.
Swift Water formation, Cambrian (?), New Hampshire: Ross, 1913.
Sycamore limestone, Mississippian, Oklahoma: Morgan, 1632.
Sylamore sandstone, Mississippian, Missouri: Branson, 199.
Sylvan shale, Silurian, Oklahoma: Morgan, 1632.
Tah formation, Cambrian, British Columbia: Burling, 260.
Talladega (Ocoee) series, Carboniferous (in part), Alabama: Prouty, 1782.
Tallahatta division, Mississippi: Lowe, 1427.
Tallahatta formation, Eocene, Alabama: Berry, 142; Vaughan, 2343.
Tamasopa formation, Cretaceous, Mexico: Dumble and Applin, 593; VerWiebe, 2346.
Tamaulipas (?) formation, Cretaceous, Mexico: Dumble and Applin, 593.
Tamesi formation, Cretaceous, Mexico: Dumble and Applin, 593.
Tampa formation, Oliogocene, Florida: Vaughan, 2343.
Tanlajas formation, Eocene, Mexico: VerWiebe, 2346.
Tantalus conglomerate, Cretaceous, British Columbia: Goranson, 771.
Tantalus conglomerate, Jurassic, Yukon: Cockfield, 392.
Tantoyuca formation, Eocene, Mexico: VerWiebe, 2346.
Tarkio limestone, Pennsylvanian, Iowa: Tilton, 2253.
Tarkio limestone, Pennsylvanian, Missouri: Wilson, 2497.
Tar Springs formation, Mississippian, Indiana: Logan, 1402.
Tar Springs sandstone, Mississippian, Kentucky: Weller, 2426.
Tatay limestones, Cambrian, British Columbia: Burling, 260.
Tate member, Ordovician, Kentucky: Foerste, 697.
Tatei limestones, Cambrian, British Columbia: Burling, 260.
Taylor formation, Cretaceous, Texas: Adkins, 6; Fohs, 701; Sellards, 2017.
Tazin series, pre-Cambrian, Saskatchewan: Allan and Cameron, 22.
Teapot Mountain porphyry, Mesozoic, Arizona: Ransome, 1792.
Tecovas formation, Triassic, Texas: Patton, 1728.
Tecumseh shale, Pennsylvanian, Missouri: Wilson, 2497.
Tejon formation, Eocene, California: Kew, 1157, 1159.
Tejon formation, Tertiary, California: Taliaferro, 2187.
Telegraph Creek formation, Cretaceous, Montana: Reeside, 1826.
Tellico formation, Ordovician, Tennessee: Gordon, 772.
Telluride conglomerate, Tertiary, Colorado: Knowlton, 1286.
Temapache beds, Oligocene, Mexico: VerWiebe, 2346.
Temiscaminian time, pre-Cambrian: Young, 2554.
Tempoal formation, Eocene, Mexico: VerWiebe, 2346.
Tempoal shales, Eocene, Mexico: Dumble and Applin, 593.
Tensleep sandstone, Pennsylvanian (?), Montana: Bauer and Robinson, 104.
Tensleep sandstone, Pennsylvanian, Wyoming: Condit, 433; Fath and Moulton, 670.
Terry sandstone, Cretaceous, Colorado: Ball, 70.
Thaynes (?) formation, Triassic, Colorado: Sears, 2010.
Thaynes group, Triassic, Idaho: Kirkham, 1273.
Thebes-Maquoketa formation, Ordovician, Missouri: Wilson, 2497.
Thermopolis shale, Cretaceous, Montana: Reeside, 1826.
Thermopolis shale, Cretaceous, Wyoming: Fath and Moulton, 670.
Thomas limestone, Pennsylvanian, Maryland: Swartz, 2177.
Thomas sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Thomas sandstone, Pennsylvanian, West Virginia: Reger, 1839.
Thomonde formation, Miocene, Haiti: Vaughan, 2343; Woodring, 2533.
Thompson formation, Cambrian, Alberta: Keyes, 1242.
Thompson formation, Jurassic, California: Goranson, 771.
Thornton fire clay, Pennsylvanian, West Virginia: Reger, 1839.
Thorold sandstone, Silurian, New York: Ulrich and Bassler, 2312.
Threeforks limestone, Devonian, Idaho: Piper, 1760.
Thurman sandstone, Pennsylvanian, Oklahoma: Morgan, 1632.
Times porphyry, Tertiary, Arizona: Ransome, 1793.
Timiskamian, pre-Cambrian: Keyes, 1174.
Timpahutan series, Silurian, Nevada: Keyes, 1192, 1220.
Timpas terrane, Cretaceous, Colorado: Keyes, 1227.
Tippah sandstone, Eocene, Mississippi: Morse, 1637.

Tipton shale member, Tertiary, Colorado: Sears and Bradley, 2012.
Tipton tongue, Tertiary, Colorado and Wyoming: Sears, 2010.
Titanotherium beds, Tertiary, South Dakota: Wanless, 2387.
Titkana limestones, Cambrian, British Columbia, Burling, 260.
Tocito sandstone, Cretaceous, Colorado: Reeside: 1828.
Todilto(?) formation, Jurassic, Utah: Longwell *et al.*, 1404; Miser, 1594, 1597.
Todilto formation, Jurassic, Utah: Prommel, 1780.
Todilto limestones, Jurassic, Arizona: Reagan, 1807.
Todilto terrane, Jurassic, Colorado: Keyes, 1227.
Tongue River member, Cretaceous or Eocene, Northern Great Plains: Thom and Dobbin, 2211.
Tongue River member, Eocene, Montana: Bauer, 105; Collier, 415.
Tonkawa sand, Pennsylvanian, Oklahoma: Hosterman, 984.
Tonoloway formation, Silurian, Maryland: Swartz, 2178.
Topanga formation, Miocene, California: Kew, 1157, 1159.
Topeka limestone, Pennsylvanian, Missouri: Wilson, 2497.
Toquima formation, Ordovician, Nevada: Ferguson, 679.
Tordrillo formation, Jurassic, Alaska: Goranson, 771.
Tornado limestone, Carboniferous, Arizona: Ransome, 1792.
Toronto formation, Pleistocene, Ontario: Coleman, 410.
Torrejon formation, Tertiary, New Mexico: Reeside, 1828.
Torrejon terrane, Tertiary, Colorado: Keyes, 1227.
Trabuco formation, Cretaceous, California: Kew, 1157.
Travester terrane, Jurassic, Colorado: Keyes, 1227.
Travis Peak formation, Cretaceous, Texas: Fohs, 701.
Treasure Mountain latite, Tertiary, Colorado: Knowlton, 1286.
Trempealeau formation, Cambrian, Wisconsin: Ulrich, 2315.
Trempealeau formation, Cambrian, Wisconsin and Illinois: Thwaites, 2245.
Trenton formation, Ordovician, Ontario: Wilson, 2498.
Trenton formation, Ordovician, Vermont: Foyles, 714.
Trenton group, Ordovician, Wisconsin: Thwaites, 2245.
Tribes Hill formation, Ordovician, Vermont: Foyles, 714.
Trinidad sandstone, Cretaceous, New Mexico: Lee, 1341.
Trinity division, Comanchean, Texas: Adkins, 6.
Trinity formation, Cretaceous, Arkansas: Miser, 1591; Miser and Ross, 1592.
Trinity sand, Comanchean, Oklahoma: Bullard, 254.
Trinity sand, Cretaceous, Oklahoma: Honess, 975.
Troy quartzite, Cambrian, Arizona: Ransome, 1792.
Truckee beds, Tertiary, Nevada: Louderback, 1415.
Trujillo formation, Triassic, Texas: Patton, 1728.
Trujillo terrane, Triassic, Colorado: Keyes, 1227.
"Trumbull" gneiss, pre-Cambrian, New York: Alling, 29.
Truxton terrane, Carboniferous, Nevada: Keyes, 1192.
Tseax River lava flow, Recent, British Columbia: Hanson, 856.
Tshinakin, pre-Cambrian: Keyes, 1174.
Tucumcari shales, Cretaceous, Kansas: Twenhofel, 2295.
Tulameen group, Triassic(?), British Columbia: Cairnes, 281.
Tulameen group, Triassic, British Columbia: Goranson, 771.
Tulameen series, Triassic, British Columbia: Cairnes, 279, 282.
Tullock member, Cretaceous or Eocene, Northern Great Plains: Thom and Dobbin, 2211.
Tullock member, Eocene(?), Montana: Renick, 1854.
Tullock member, Tertiary(?), Montana: Collier, 415; Renick, 1852; Rogers and Lee, 1900.
Tununk sandstone, Cretaceous, Arizona: Reagan, 1807.
Tununk sandstone, Cretaceous, Colorado: Keyes, 1227.
Tununk sandstone, Cretaceous, Utah: Longwell *et al.*, 1404.
Tuscahoma formation, Eocene, Alabama: Vaughan, 2343.
Tuscaloosa formation, Cretaceous, Mississippi: Lowe, 1427; Morse, 1637.
Tuscan tuff, Tertiary, California: Bryan, 239.
Tuscarora formation, Silurian, Maryland: Swartz, 2178.
Tuscarora formation, Silurian, Pennsylvania: Moore and Taylor, 1615.
Tuscumbia limestone, Mississippian, Mississippi: Morse, 1637.
Tuxpam beds, Miocene, Mexico: VerWiebe, 2346.
Tuxpan formation, Miocene, Mexico: Vaughan, 2343.
Tuxedni sandstone, Jurassic, Alaska: Goranson, 771.
Twin Creek limestone, Jurassic, Colorado: Sears, 2010.
Twin Creek limestone, Jurassic, Idaho: Kirkham, 1273.
Two medicine formation, Cretaceous, Montana: Clark, 348.
Tygee formation, Cretaceous, Idaho: Kirkham, 1273.
Tyler formation, pre-Cambrian, Wisconsin and Minnesota: Hotchkiss, 990.
Tyner shale, Ordovician, Oklahoma: Edson, 624.
Uffington shale, Pennsylvanian, West Virginia: Reger, 1838, 1839.
Umpqua formation, Tertiary, Oregon: Diller and Kay, 564.
Uncas shale, Permian, Oklahoma: Hosterman, 984.

Uncompahgre terrane, pre-Cambrian, Colorado: Keyes, 1227.
Uniontown sandstone, Pennsylvanian, Maryland: Swartz, 2177.
Unkpapa terrane, Jurassic, Colorado: Keyes, 1227.
Uscari formation, Miocene, Costa Rica: Vaughan, 2343.
Uscari shale, Miocene, Costa Rica: Redfield, 1814.
Utica formation, Ordovician, Ontario and Quebec: Foerste, 697.
Vallecito terrane, pre-Cambrian, Colorado: Keyes, 1227.
Vamoosa formation, Pennsylvanian, Oklahoma: Morgan, 1632, 1634.
Vancouver group, Jurassic and Triassic, British Columbia: Mackenzie, 1458.
Vanoss formation, Pennsylvanian, Oklahoma: Morgan, 1632, 1633.
Vanport limestone, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Vanport limestone, Pennsylvanian, West Virginia: Reger, 1839.
Vaqueros formation, Miocene, California: Kew, 1157, 1159.
Varennesic, pre-Cambrian: Keyes, 1174.
Velasco formation, Mexico: Cushman and Trager, 486.
Ventana sandstone, Triassic, Arizona: Reagan, 1807.
Ventana terrane, Triassic, Colorado: Keyes, 1227.
Verdan series, Carboniferous, Nevada: Keyes, 1192, 1220.
Verde formation, Tertiary, Arizona: Jenkins, 1057.
Verden sandstone, Permian, Oklahoma: Reed and Meland, 1818.
Vermejo formation, Cretaceous, New Mexico: Lee, 1341.
Vermilion granite, pre-Cambrian, Minnesota: Grout, 816; Schwartz, 2001.
Vermilion Creek beds, Tertiary, Colorado: Keyes, 1227.
Vermont formation, Vermont: Gordon, 774.
Vicksburg formation, Oligocene, Mississippi: Lowe, 1427.
Vicksburg group, Oligocene, Georgia: Prettyman and Cave, 1776.
Vicksburg group, Oligocene, Mississippi: Vaughan, 2343.
Victoria limestone, Comanchean, Mexico: Ver-Wiebe, 2346.
Vienna limestone, Mississippian, Kentucky: Weller, 2426.
Vilas shale, Pennsylvanian, Iowa: Tilton, 2253.
Vilas shale, Pennsylvanian, Missouri: Wilso 2497.
Vintage dolomite, Cambrian, Pennsylvania: Jonas, 1112; Knopf and Jonas, 1282; Stose, 2163; Stose and Jonas, 2160.
Viola limestone, Ordovician, Oklahoma: Morgan, 1632.
Virgelle sandstone, Cretaceous, Montana: Bauer and Robinson, 104.
Virgen series, Tertiary, Nevada: Keyes, 1192, 1220.
Virginia slate, pre-Cambrian, Minnesota: Gruner, 822.
Wabaunsee formation, Pennsylvanian, Missouri: Wilson, 2497.
Wabaunsee stage, Pennsylvanian, Iowa: Tilton, 2253.
Waccamaw marl, Pliocene, South Carolina: Vaughan, 2343.
Waco limestone, Silurian, Kentucky: Foerste, 696.
Waits River limestone, Ordovician, Vermont: Richardson, 1863, 1864.
Walnut formation, Comanchean, Texas: Adkins, 6.
Walnut formation, Cretaceous, Texas: Fohs, 701.
Waltersburg sandstone, Mississippian, Kentucky: Weller, 2426.
Wanipigow formation, pre-Cambrian, Ontario: Burwash, 266.
Wapanucka formation, Pennsylvanian, Oklahoma: Morgan, 1632.
Wapanucka limestone, Carboniferous, Oklahoma: Girty and Roundy, 757.
Wapiabi formation, Cretaceous, Alberta: Allan and Rutherford, 24.
Wapiabi shales, Cretaceous, Alberta: Allan and Rutherford, 21.
Wapsipinicon formation, Devonian, Iowa: Schoewe, 1985.
Wapsipinicon limestone, Devonian, Illinois: Savage, 1964.
Wapsipinicon stage, Devonian, Iowa: Thomas, 2217.
Warsaw formation, Mississippian, Missouri: Wilson, 2497.
Warsaw-Spergen formations, Mississippian, Missouri and Illinois: Krey, 1293.
Wasatch formation, Eocene, Northern Great Plains: Thom and Dobbin, 2211.
Wasatch(?) formation, Eocene, Utah: Longwell, *et al.*, 1404.
Wasatch formation, Tertiary, Colorado: Keyes, 1227.
Wasatch formation, Tertiary, Colorado and Wyoming: Sears, 2010; Sears and Bradley, 2012.
Wasatch formation, Tertiary, New Mexico and Colorado: Reeside, 1828.
Washakie terrane, Tertiary, Colorado: Keyes, 1227.
Washington formation, Pennsylvanian, Ohio: Condit, 432.
Washington formation, Permian, Maryland: Swartz, 2177.
Washington greensand, Cretaceous, Arkansas: Howe, 998.
Washington (Upper) limestone, Permian, Maryland: Swartz, 2177.
Washingtonville member, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Washita division, Comanchean, Texas: Adkins, 6.
Washita group, Cretaceous, Arkansas: Miser, 1591.
Wassonville limestone member, Mississippian, Iowa: Schoewe, 1985.
Watauga shale, Cambrian, Tennessee: Secrist, 2014.
Waubakee dolomite, Silurian, Wisconsin: Thwaites, 2245.
Waukesha formation, Silurian, Wisconsin: Thwaites, 2245.
Wayan formation, Cretaceous, Idaho: Kirkham, 1273.

Waynesburg limestone, Pennsylvanian, Maryland: Swartz, 2177.
Waynesburg sandstone, Permian, Maryland: Swartz, 2177.
Weaver rhyolite, Triassic, Nevada: Knopf, 1280.
Weber quartzite, Pennsylvanian, Colorado: Sears, 2010.
Weberan series, Carboniferous, Nevada: Keyes, 1192.
Weberian series, Carboniferous, Colorado: Keyes, 1227.
Webster Springs sandstone, Mississippian, West Virginia: Reger, 1838, 1839.
Weeping Water limestone, Pennsylvanian, Iowa: Tilton, 2253.
Wekwemikongsing member, Ordovician, Ontario: Foerste, 697.
Welch sandstone, Pennsylvanian, West Virginia: Reger, 1838.
Wellersburg limestone, Pennsylvanian, Maryland, Swartz, 2177.
Wellington shale, Permian, Oklahoma: Hosterman, 984.
Wells formation, Pennsylvanian, Idaho: Kirkham, 1273; Piper, 1760.
Weno member, Comanchean, Texas: Adkins, 6.
Westernport sandstone, Pennsylvanian, Maryland: Swartz, 2177.
West Ledge formation, pre-Cambrian, South Dakota: Hosted and Wright, 983.
Weston shale, Pennsylvanian, Iowa: Tilton, 2253.
Weston shale, Pennsylvanian, Missouri: Wilson, 2497.
Westwater terrane, pre-Cambrian, Colorado: Keyes, 1227.
Wetumka shale, Pennsylvanian, Oklahoma: Morgan, 1632.
Wewoka formation, Pennsylvanian, Oklahoma: Morgan, 1632.
Wheaton River volcanics, Tertiary, Yukon: Cockfield, 392.
Whiskey Gap, Permian, Wyoming: Fath and Moulton, 670.
Whitean series, Tertiary, Colorado: Keyes, 1227.
White Caps limestone, Cambrian, Nevada: Ferguson, 679.
Whitecliff terrane, Jurassic, Colorado: Keyes, 1227.
Whitehorse sandstone, Permian, Oklahoma: Gould, 788; Sawyer, 1970.
White Medina sandstone, Silurian, West Virginia: Reger, 1839.
Whitemud beds, Saskatchewan: Sternberg, 2144.
White River formation, Oligocene, Montana: Bauer, 105.
White River formation, Oligocene, South Dakota: Topelman, 2260.
Whitetail conglomerate, Tertiary (?), Arizona: Ransome, 1792.
Whitingham schist, Ordovician, Vermont: Hubbard, 1004.
Whitsett beds, Tertiary, Texas: Dumble, 594.
Whitsett limestone, Cretaceous, Oregon: Goranson, 771.
Whyte formation, Cambrian, Alberta: Keyes, 1242.
Wilcox formation, Eocene, Georgia: Prettyman and Cave, 1776.
Wilcox formation, Eocene, Texas: Fohs, 701; Sellards, 2017.
Wilcox formation, Tertiary, Arkansas: Schneider, 1981.
Wilcox group, Eocene, Alabama: Vaughan, 2343.
Wilcox group, Eocene, Mississippi: Lowe, 1427.
Wilcox group, Eocene, Texas: Trowbridge, 2272.
Wilcox group, Tertiary, Texas: Gardner, 728.
Wilcox sand, Ordovician, Oklahoma: Trager, 2264.
Wilcox series, Eocene, Mississippi: Morse, 1637.
Wildhorse sandstone, Permian, Oklahoma: Brockway and Owens, 218.
Wilgus clay, Pennsylvanian, Ohio: Stout and Lamborn, 2169.
Williams Fork formation, Cretaceous, Colorado: Sears, 2010.
Williams Island limestone, Devonian, Ontario: Kindle, 1262.
Williamson shale, Silurian, New York: Ulrich and Bassler, 2312.
Williamsport sandstone, Silurian, West Virginia: Reger, 1839.
Williston limestone, Cambrian, Vermont: Keith, 1139.
Willow limestone, Ordovician, Nevada: Keyes, 1220.
Willow terrane, Ordovician, Nevada: Keyes, 1192.
Willow Creek rhyolite, Miocene, Colorado: Emmons and Larsen, 650.
Willow Creek rhyolite, Tertiary, Colorado: Knowlton, 1286.
Willow River limestone, Wisconsin: Sardeson, 1959.
Wills Creek formation, Silurian, Maryland: Swartz, 2178.
Wind River formation, Tertiary, Wyoming: Condit, 433.
Windsor series, Mississippian, Nova Scotia: Bell, 128; Hayes and Bell, 883.
Windy Gulch rhyolite, Tertiary, Colorado: Knowlton, 1286.
Windy Gulch rhyolite breccia, Miocene, Colorado: Emmons and Larsen, 650.
Winfield limestone, Permian, Oklahoma: Hosterman, 984.
Wingate sandstone, Jurassic, Arizona: Reagan, 1807.
Wingate sandstone, Jurassic, Utah: Longwell *et al.*, 1404; Miser, 1594, 1597; Prommel, 1780.
Wingate terrane, Jurassic, Colorado: Keyes, 1227.
Winifrede limestone, Pennsylvanian, West Virginia: Reger, 1838.
Winnipeg River granite, pre-Cambrian, Ontario: Burwash, 266.
Winona sand, Eocene, Mississippi: Lowe, 1427.
Winooski marble, Cambrian, Vermont: Keith, 1139.
Winterset limestone, Pennsylvanian, Iowa: Tilton, 2253.
Winterset limestone, Pennsylvanian, Missouri: Wilson, 2497.
Winthrop sandstone, Cretaceous, Washington: Goranson, 771.
Wisconsin deposits, Pleistocene, Iowa: Schoewe, 1985.

Wise formation, Pennsylvanian, Virginia: Eby, 621.
Wissahickon formation, Ordovician, Maryland: Jonas, 1113.
Wissahickon formation, pre-Cambrian, Maryland: Jonas, 1113.
Wissahickon formation, pre-Cambrian, Maryland and Pennsylvania: Knopf and Jonas, 1282.
Wissahickon schist, pre-Cambrian, Pennsylvania: Jonas, 1112.
Wolcott limestone, Silurian, New York: Ulrich and Bassler, 2312.
Womble formation, Ordovician, Oklahoma: Edson, 624
Womble sandstone, Ordovician, Oklahoma: Honess, 975.
Womble shale, Ordovician, Arkansas: Miser, 1591; Purdue and Miser, 1784.
Wonah quartzite, Silurian, British Columbia: Walcott, 2357.
Woodbine formation, Cretaceous, Arkansas: Schneider, 1981.
Woodbine formation, Cretaceous, Texas: Adkins, 6; Fohs, 701.
Woodbine sand, Cretaceous, Arkansas and Louisiana: Hull, 1011.
Woodford formation, Devonian and Mississippian, Oklahoma: Morgan, 1632.
Woodpecker limestones, Nevada: Keyes, 1220.
Woodpecker terrane, Devonian, Nevada: Keyes, 1192.
Woodside shale, Triassic, Colorado: Sears, 2010.
Woodside shale, Triassic, Idaho: Kirkham, 1273.
Word formation, Permian, Texas: Udden, 2302.
Wykoff limestone, Ordovician, Iowa: Thwaites, 2245.
Wynona sandstone, Pennsylvanian, Oklahoma Rubey, 1920.
Wyoming terrane, Tertiary, Colorado: Keyes, 1227.
Yabucoa granite, Porto Rico: Fettke, 686.
Yakoun formation, Jurassic, British Columbia: Goranson, 771.
Yampa limestone, Carboniferous, Utah: Lindgren, 1384.
Yankeetown chert, Mississippian, Illinois: Shaw, 2035.
Yankeetown formation, Mississippian, Missouri: Wilson, 2497.
Yaque group, Miocene, Dominican Republic: Vaughan, 2343.
Yarmouth interglacial deposits, Pleistocene, Iowa: Schoewe, 1985.
Yegua formation, Eocene, Louisiana and Texas, Berry, 142.
Yegua formation, Eocene, Texas: Trowbridge: 2272; Vaughan, 2343.
Yegua series, Tertiary, Texas: Dumble, 594.
Yellow Creek beds, Devonian, Mississippi: Morse, 1637.
Yorktown formation, Miocene, Virginia: Vaughan, 2343.
Yulean series, Ordovician, Colorado: Keyes, 1227.
Zanzibar limestone, Ordovician (?), Nevada: Ferguson, 679.
Zapotitlan formation, Comanchean, Mexico, VerWiebe, 2346.
Zuni series, Triassic, Arizona: Reagan, 1807.
Zunian series, Jurassic, Colorado: Keyes, 1227.
Zunian series, Jurassic, Nevada: Keyes, 1192.

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