BIBLIOGRAPHY
OF
NORTH AMERICAN GEOLOGY
FOR
1923-1924

BY
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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). 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).

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Alazan clay, Oligocene, Mexico: Vaughan, 2343.
Alazan formation, Eocene, Mexico: VerWiebe, 2346.
Alazan shales, Eocene, Mexico: Damble and Applin, 593.
Alboroto group, Miocene, Colorado: Emmons and Larsen, 2394.
Alboroto formation, Tertiary, Colorado: Knowlton, 1286.
Amsden formation, Pennsylvania(?), Montana: Bauer and Robinson, 104.
Anguilla formation, Oligocene, Anguilla, West Indies: Vaughan, 2434.
Antanian, pre-Cambrian: Keys, 1174.
Antanian period, pre-Cambrian, Colorado: Keys, 1227.
Anmas formation, Tertiary(?), New Mexico: Reeside, 1828.
Antillean series, pre-Cambrian, Minnesota: Gruner, 822.
Annona chalk, Cretaceous, Arkansas and Louisiana: Hull, 1101.
Antietam quartzite, Cambrian, Pennsylvania: Knopf and Joss, 1282; Stose, 2163.
Antietam schist, Cambrian, Pennsylvania: Jonas, 1112.
Antiguan formation, Miocene, Antigua: Earle, 615.
Antiguan formation, Oligocene, Antigua, West Indies: Vaughan, 2343.
Apache group, Cambrian, Arizona: Ransome, 1792.
Apache sandstone, Arizona: Hager, 832.
Apishapa terrane, Cretaceous, Colorado: Keys, 1227.
Aquila formation, Eocene, Virginia: Vaughan, 2343.
Arlucke limestone, Cambrian and Ordovician, Oklahoma: Morgan, 1532.
Aricheco time, pre-Cambrian: Young, 2554.
Archeluta terrane, Tertiary, Colorado: Keys, 1227.
Arcotony formation, Cretaceous, 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: Keys, 1227.
Arkadelphia formation, Cretaceous, Arkansas: Howe, 996; Miser, 1591; Schneider, 1981.
Arkadelphia formation, Cretaceous, Arkansas and Louisiana: Howe, 996, 997.
Arkadelphia formation, Cretaceous, Texas: Fohn, 701.
Arkansas novaculite, Devonian, Arkansas: Miser, 1691; Purdy and Miser, 1784.
Arkansas novaculite, Devonian, Oklahoma: Hones, 976.
Arrivan series, Tertiary, Colorado: Keys, 1227.
Artibonite group, Miocene, Haiti: Vaughan, 2343.
Asher formation, Permian, Oklahoma: Morgan, 1832.
Ashland series, Alabama: Frouty, 1782.
Athabasca series, pre-Cambrian, Saskatchewan: Allan and Cameron, 22.
Athens shale, Ordovician, Tennessee: Gordon, 772; Secrist, 2014.
Atoka formation, Pennsylvanian, Arkansas: Miser, 1691.
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; Fobs, 701; Sellards, 2017.
Aux Vases sandstone, Mississippian, Illinois: Shaw, 2035.
Aux Vases sandstone, Mississippian, Missouri: Wilson, 2497.
Ayler lime stone, Ordovician, Ontario: Wilson, 2498.
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: Kindel, 1266.
Banff shal e, Mississippian, British Columbia: Kindel, 1266.
Banffian series, Devonian, Alberta: Keyes, 1242.
Barnes conglomerate, Cambrian, Arizona: Ransom, 1792.
Barnwell formation, Eocene, Montana: Walcott, 2355, 2357.
Benton formation, Cretaceous, British Columbia: Bullock, 1277.
Benton shale, Cretaceous, Montana: Bauer, 105.
Belford shale, Silurian, Ohio: Foerste, 696.
Beekmantown, Ordovician, New York: Foerste, 696.
Beekmantown, Ordovician, Vermont: Foyle, 714.
Beekmantown limestone, Ordovician, Pennsylvania: Stowe, 2163; Stowe and Jonas, 2160.
Bemidji formation, Ordovician, Minnesota: Freeman, 717.
Benton formation, Cretaceous, Manitoba: Norris, 1227.
Benton formation, Cretaceous, Alberta: Ross, 1908.
Benton shale, Cretaceous, Montana: Bauer, 105.
Benton formation, Ordovician, Vermont: Foyle, 714.
Benton formation, Ordovician, British Columbia: Wilson, 2498.
Beech Creek formation, Cretaceous, Idaho: Kirkham, 1277.
Beech Creek formation, Ordovician, Quebec: Hebert, 188.
Beech Creek formation, Ordovician, Vermont: Foyle, 714.
Beech Creek formation, Ordovician, Pennsylvania: Stowe, 2163; Stowe and Jonas, 2160.
Belfort bed, Silurian, Ohio: Foerste, 696.
Belle City limestone, Pennsylvanian, Oklahoma: Morgan, 1632, 1633, 1634.
Ballyman series, Cambrian, Alabama: Vaughan, 2343.
Balsam Lake schist, pre-Cambrian, Nova Scotia: White, 2355.
Bannock series, Tertiary, California: Sloss, 2357.
Barstow formation, Eocene, California: Wilson, 2498.
Beaver River group, Pennsylvanian, Montana: Collier, 415, 451; Ellis and Meineker, 106; Rogers and Lee, 100.
Bear River formation, Jurassic (?), British Columbia: Dolmage, 568.
Bigford formation, Eocene, Texas: Trowbridge, 2272, 2275.
Bigfork chert, Ordovician, Arkansas: Miser, 1591; Purdue and Miser, 1784.
Bigfork chert, Ordovician, Oklahoma: Honeys, 975.
Bighorn dolomite, Ordovician, Montana: Bevan, 155.
Bigfork formation, Cretaceous, Alberta: Allan and Rutherford, 21, 24.
Big Thompson schists, pre-Cambrian, Colorado: Fuller, 721.
Big town formation, Cretaceous, Arkansas: Miser, 1591; Miser and Ross, 1592.
Big Thompson chert, Ordovician, Arkansas: Miser, 1591; Purdue and Miser, 1784.
Big Thompson chert, Ordovician, Oklahoma: Honess, 975.
Big Thompson chert, Ordovician, Missouri: Foerste, 696, 698.
Big Thompson chert, Ordovician, Ohio: Foerste, 696.
Big Thompson series, pre-Cambrian, Colorado: Fuller, 721.
Big Thompson sandstone, Ordovician, Oklahoma: Honess, 975.
Big Thompson sandstone, Ordovician, Missouri: Foerste, 696.
Big Thompson sandstone, Ordovician, Pennsylvania: Foerste, 696.
Big Thompson sandstone, Ordovician, West Virginia: Foerste, 696.
Bighorn formation, Cretaceous, Alberta: Allan and Rutherford, 21, 24.
Big Thompson series, pre-Cambrian, Colorado: Fuller, 721.
Bingham formation, Cretaceous, Arkansas: Miser, 1591; Miser and Ross, 1592.
Bingham shale, Pennsylvanian, Maryland: Swartz, 2177.
Bingham 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 Baseler, 2312.
Bishop sandstone, Jurassic, Colorado: Keyes, 1227.
Bitter Creek group, Tertiary, Colorado: Keyes, 1227.
Bixwak formation, pre-Cambrian, Minnesota: Gruner, 822.
Black Creek formation, Cretaceous, North Carolina: Stephenson, 2143.
Black Hill shale, Cretaceous, Colorado: Keyes, 1227.
Bitter Creek group, Tertiary, Colorado: Keyes, 1227.
Blackwater shale and limestone, Pennsylvanian, West Virginia: Reger, 1838.
Blaine gypsum, Permian, Oklahoma: Gould, 788.
Blackley sandstone, Ordovician, Arkansas: Miser, 1591; Purdue and Miser, 1784.
Blackley sandstone, Ordovician, Oklahoma: Honeys, 975.
Blaylock sandstone, Silurian, Arkansas: Miser, 1591; Purdue and Miser, 1784.
Blaylock sandstone, Silurian, Oklahoma: Honeys, 975.
Blaxtell sandstone member, Silurian, Indiana: Logan, 1401.
Blaxtell shale, Ordovician, Iowa: Thwaites, 2245.
Blenheim formation, Pleistocene, Pennsylvania and Maryland: Bascom, 85.
Braefield limestone, Silurian, Oklahoma: Miser, 1391.
Braefield limestone, Silurian, Indiana: Logan, 1401.
Braefield limestone, Silurian, Kentucky, Ohio, and Indiana: Foerste, 696.
Brazer limestone, Mississippian, Idaho: Kirkham, 1273; Piper, 1760.
Brazil division, Pennsylvanian, Indiana: Logan, 1402.
Bridgerian series, Tertiary, Colorado: Keyes, 1227.
Bridgerian series, Tertiary, Colorado: Keyes, 1227.
Bristol series, pre-Cambrian, Quebec: Wilson, 2498.
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, 2109.
Brownian series, Tertiary, Colorado: Keyes, 1227.
Brownsville shale, Triassic, California: Goranson, 771.
Brownsville marl, Cretaceous, Arkansas: Miser, 1691; Miser and Ross, 1592.
Brownstown formation, Cretaceous, Arkansas: Schneider, 1981.
Brownstown marl, Cretaceous, Arkansas: Miser, 1691; Miser and Ross, 1592.
Bruce terrane, Tertiary, Colorado: Keyes, 1227.
Brush shales and sandstones, Jurassic, Colorado: Keyes, 1227.
Brush Creek clay, Pennsylvanian, Ohio: Stout and Lamborn, 2109.
Brush Creek limestone and shale, Pennsylvanian, Ohio: Stout and Lamborn, 2109.
Brush Creek limestone and shale, Pennsylvanian, West Virginia: Reger, 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, 2109.
Buffalo sandstone, Pennsylvanian, West Virginia: Reger, 1839.
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: Caurnes, 279, 281.
Caddo formation, Comanchean, Oklahoma: Bullard, 234.
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: Brandon, 199, 200; Krey, 1203; 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, 2109.
Cambridge limestone, Pennsylvanian, West Virginia: Reger, 1839.
Cambridge shale, Pennsylvanian, Maryland: Swartz, 2177.
Camden series, Tertiary, Arkansas: Howe, 996.
Campbell Mountain rhyolite, Pliocene, Colorado: Emmons and Larsen, 690.
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: Thon 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: Ugloy, 2035.
Carlisle shale, Cretaceous, Montana: Resee, 1826.
Carlile terrane, Cretaceous, Colorado: Keyes, 1227.
Carlisle limestone member, Pennsylvanian, Illinois: Shaw, 2035.
Carmichael sand, Pennsylvanian, Oklahoma: Hosterman, 294.
Carritox sandstone, Eocene, Texas: Berry, 142; Trowbridge, 2272.
Carsonian series, Quaternary, Nevada: Keyes, 1192.
Carterville formation, Mississippian, Missouri: Wilson, 2497.
Casasanta schists, California: Woodford, 2530.
Caseyville formation, Pennsylvanian, Kentucky: Woller, 2426.
Cassadagian series, Silurian, Arkansas: Stose, 2164.
Castile grit, Permian, New Mexico: Udderen, 2302.
Catahoula sandstone, Eocene, Louisiana: Vaughan, 2343.
Catalina metamorphic facies of the Franciscan series, California: Woodford, 2530.
Cathedralian series, Cambrian, Alberta: Keyes, 1242.
Cathyx limestone, Ordovician, Virginia: Eby (Stose), 621.
Catskill series, Devonian, West Virginia: Reger, 1338, 1339.
Caufield formation, Paleozoic (?), British Columbia: Johnston, 1107.
Cayuga formation, Pennsylvania: Virginia: Eby (Stose), 621.
Cayuga series, Silurian: Ulrich and Bassler, 2811.
Cayugan series, Silurian, Maryland: Swartz, 2178.
Cedar Cliff limestone lens, Pennsylvania, Maryland: Swartz, 2178.
Cedar Creek limestone, Pennsylvanian, Iowa: Tilton, 2253.
Cedar District formation, Cretaceous, British Columbia: Goranson, 771.
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.
Cerro 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.
Chamana series, Tertiary, Colorado: Keyes, 1227.
Champion shell bed, Cretaceous, Kansas: Trowbridge, 2272.
Chancellorian series, Cambrian, Alberta: Keyes, 1242.
Chautauqua terrane, Jurassic, Colorado: Keyes, 1227.
Chariton formation, Pliocene(?), Georgia: Prettyman and Cave, 1776.
Chattahoochee formation, Cretaceous, Florida: Vaughan, 2343.
Chattahoochee formation, Cretaceous, Georgia: Prettyman and Cave, 1776.
Chatanooga shale, Devonian, Arkansas: Miser, 1591.
Chatanooga shale, Mississippian, Oklahoma: Trager, 2264.
Chazy formation, Ordovician, Ontario: Wilson, 2498.
Chazy formation, Ordovician, Vermont: Foyle, 714.
Cheung series, Devonian, West Virginia: Reger, 1338, 1839.
Chenango 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.
Chester group, Mississippian, Illinois: Shaw, 2035.
Chester group, Mississippian, Missouri: Wilson, 2497.
Chester series, Mississippian, Kentucky: Woller, 2226.
Chewalla sandstone, Pennsylvanian, Oklahoma: Rubey, 1929.
Chewana limestones, Cambrian, British Columbia: Burling, 260.
Cheyenne formation, Cretaceous, Kansas: Twenhofel, 2265.
Chickasaw formation, Permian, Oklahoma: Gould, 788.
Chickie's formation, Cambrian, Pennsylvania: Moore and Taylor, 1615.
Chickie's quartizite, Cambrian, Maryland and Pennsylvania: Knopf and Jones, 1292.
Chickie's quartizite, Cambrian, Pennsylvania: Stose, 2163.
Chico formation, Cretaceous, California: Bryan, 239; Goranson, 771; Keyes, 1157, 1159; Tallasferro, 2187.
Chico formation, Permian, Oregon: Diller and Kay, 564.

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Chicontepec formation, Cretaceous, Mexico: Dumble and Applin, 593.
Chicontepec formation, Eocene, Mexico: Verwiebe, 2346.
Chicontepec formation, Mexico: Cushman and Trager, 486.
Chislet Hill volcanics, Tertiary, Yukon: Cockfield, 292.
Chigik formation, Cretaceous, Alaska: Smith and Baker, 201.
Chilliwack batholith, Tertiary, British Columbia: Cairnes, 282.
Chimneyhill limestone, Silurian, Oklahoma: Morgan, 1632.
Chinle formation, Triassic, Arizona: Reagan, 1807.
Chinle formation, Triassic, Colorado: Kyes, 1227.
Chinle formation, Triassic, Utah: Longwell et al., 1404; Miser, 1594, 1597; Prommel, 1790.
Chippala formation, Miocene, Florida: Vaughan, 2343.
Chisik conglomerate, Jurassic, Alaska: Ooranson, 771.
Chitina shale, Jurassic, Alaska: Ooranson, 771.
Chitistone limestone, Triassic, Alaska: Goranson, 771; Moffit, 1603; Moffit and Mertie, 1602.
Chocawatchee marl, Miocene, Florida: Vaughan, 2343.
Chisholm conglomerate, Jurassic, Alaska: Goranson, 771.
Chitina shale, Jurassic, Alaska, Goranson, 771.
Chitostone limestone, Triassic, Alaska: Goranson, 771; Moffit, 1603; Moffit and Mertie, 1602.
Chotawatchee 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, Triassic, Montana: Bevan, 155.
Chugwater formation, Triassic, Montana: Bevan, 155.
Chugwater formation, Triassic, Wyoming: Condit, 433.
Chushina formation, Ozarkian, British Columbia: Wilson, 2497.
Cibao limestone, Tertiary, Porto Rico: Hubbard, 1002.
Citronelle formation, Pliocene, Mississippi: Morse, 1637.
Citronelle formation, Pliocene, Alabama: Vaughan, 2343.
Claiborne formation, Eocene, Arkansas and Louisiana: Teas, 2198.
Claiborne formation, Eocene, Mexico: Verwiebe, 2346.
Claiborne group, Eocene, Alabama: Berry, 142; Vaughan, 2343.
Clairborne group, Eocene, Georgia: Prettyman and Cave, 1726.
Clairborne group, Eocene, Mississippi: Lowe, 1427.
Clairborne group, Eocene, Texas: Trowbridge, 2272.
Clairborne group, Tertiary, Arkansas: Schneider, 1981.
Clairborne stage, Tertiary, Texas: Dumble, 594.
Claggett formation, Cretaceous, Montana: Ellis and Melner, 631.
Claggett shale, Cretaceous, Montana: Reeves, 1836; Rogers and Lee, 1900.
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.
Collar shale, Cambrian, Oklahoma: Honess, 975.
Collingwood formation, Ordovician, Ontario and Michigan: Ruedemann and Ehlers, 1927.
Collingwood shale, Ordovician, Ontario and Quebec: Fueste, 697.
Collores limestone, Porto Rico: Fettke, 686.
Colorado group, Cretaceous, California: Qoranson, 111.
Colgate sandstone member, Cretaceous, Northern Great Plains: Thorn 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: Fueste, 697.
Collores limestone, Porto Rico: Fettke, 686.
Colorado group, Cretaceous, California: Qoranson, 111.
Colgate sandstone member, Cretaceous, Northern Great Plains: Thorn 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: Fueste, 697.
Collores limestone, Porto Rico: Fettke, 686.
Colorado group, Cretaceous, California: Qoranson, 111.
Colgate sandstone member, Cretaceous, Northern Great Plains: Thorn 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: Fueste, 697.
Collores limestone, Porto Rico: Fettke, 686.
Colorado group, Cretaceous, California: Qoranson, 111.
Colgate sandstone member, Cretaceous, Northern Great Plains: Thorn 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: Fueste, 697.
Collores limestone, Porto Rico: Fettke, 686.
Cypress sandstone, Mississippian, Kentucky: Weller, 2426.

Cyrane dolomite, Silurian, Missouri and Illinois: Krey, 1293.

Cyrane member, Silurian, Missouri: Wilson, 2497.


Dakota formation, Cretaceous, Alberta: Allan and Rutherford, 21.

“Dakota” formation, Cretaceous, Kansas: Tweanhofel, 2205.


Dakota formation, Cretaceous, Alberta: Allan and Rutherford, 21.


Dakota sandstone, Cretaceous, Montana: Bauer and Robinson, 104.

Dakota (?) sandstone, Cretaceous, Utah: Longwell et al., 1404.


Dakota terrane, Cretaceous, Colorado: Keyes, 1227.

Darby formation, Cambrian, Wyoming: Condit, 433.

Davenport member, Ordovician, Ontario: Parks, 1716, 1717.


Davenport (Lower) 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 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: Garmon, 771.

Deer Creek limestone, Pennsylvanian, Missouri: Wilson, 2497.

Dog Creek shale, Ordovician, New York: Rude- mann 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, Pennsylvanian, Iowa: Tilton, 2253.

Del Rio formation, Comanchean, Texas: Adkins, 6.


Deyay limestone, Pennsylvanian, Oklahoma: Morgan, 1632.

Denny limestone member, Pennsylvanian, Oklahoma: Morgan, 1634.

Denison formation, Cretaceous, Texas: Fohn, 701.

Denton member, Comanchean, Texas: Adkins, 8.

Denver terrane, Tertiary, Colorado: Keyes, 1227.

De Queen limestone member, Cretaceous, Arkansas: Miser and Ross, 1892.

Derby formation, Cambrian, Missouri: Wilson, 2497.

Desamparados formation, Cretaceous (?), Costa Rica: Redfield, 1814.

Descecho (Lower) stage, Quaternary, Porto Rico: Hubbard, 1002.

Descecho (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.


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: Fergusson, 579.

Diamondian series, Carboniferous, Nevada: Keyes, 1192.


Dinwoody formation, Triassic, Wyoming: Condit, 433.

Dockum beds, Triassic, Texas: Patton, 1728.

Documan series, Triassic, Colorado: Keyes, 1227.

Doe Run formation, Triassic, Wyoming: Condit, 433.

Dripping Spring quartzite, Cambrian, Wisconsin: Thwaites, 1273.

Double Mer sandstone, Paleozoic, Labrador: Kindle, 1261.

Douglas formation, Pennsylvanian, Missouri: Wilson, 2497.

Douglas stage, Pennsylvanian, Iowa: Tilton, 2253.

Dreney limestone, Cretaceous, Idaho: Kirkham, 1273.

Dresbach formation, Cambrian, Wisconsin and Illinois, Thwaites, 2545.

Dripping Spring quartzite, Cambrian, Arizona: Ransome, 1792.
Drum limestone, Pennsylvanian, Missouri: Wilson, 2497.
Dubuque dolomite, Ordovician, Iowa: Thwaites, 2246.
Duchesne shales and limestone, Jurassic, Colorado: Keyes, 1227.
Duck Creek formation, Cretaceous, Texas: Fobs, 701.
Duck Creek member, Comanchean, Texas: Adkins, 6.
Duncan sandstone, Pennsylvanian, 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: Vaugeois, 2343.
Durango stage, Pleistocene, Colorado: Atwood and Mather, 50.
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Little Falls formation, Ordovician, Vermont: Foxes, 714.

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Littleton argillite, Devonian, New Hampshire: Ross, 1913.

Livingston formation, Cretaceous, Montana: Beven, 155.

Lockport dolomite, Silurian, New York: Ulrich and Bassler, 2312.

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