BIBLIOGRAPHY
OF
NORTH AMERICAN GEOLOGY
FOR
1910
WITH SUBJECT INDEX

BY
JOHN M. NICKLES
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INTRODUCTION.

The bibliography of North American geology, including paleontology, petrology, and mineralogy, for the year 1910 follows the plan and arrangement of its immediate predecessors, the bibliographies for 1906-7, 1908, and 1909 (Bulletins 372, 409, and 444 of the U. S. Geological Survey). It includes publications bearing on the geology of the continent of North America and adjoining islands, also Panama and the Hawaiian Islands. Papers by American writers on the geology of other parts of the world are not included. Textbooks and papers general in character by American authors are included; those by foreign authors are excluded unless they appear in American publications.

As heretofore, the papers, with full title and medium of publication and explanatory note when the title is not fully self-explanatory are listed under the authors arranged in alphabetic order. The author list is followed by an index to the literature listed. In this index the entries, in one alphabet, are of three kinds—first, subject, with various subdivisions, to enable the specialist to ascertain readily all the papers bearing on a particular subject or area; second, titles of papers, many of them abbreviated or inverted, under their leading words; and third, cross references, which have been freely used to avoid too much repetition. The subjects have been printed in black-faced type, the titles of papers and cross references in ordinary type. As it may not be always obvious which subject headings have been adopted, a classified scheme of those used immediately precedes the index.

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); and No. 444 (1909).
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8. Geology of the Haliburton and Bancroft areas, Province of Ontario.—Canada, Geol. Survey, Mem. no. 6, 419 pp., 70 pls., 7 figs., 2 maps, 1910.
   Describes the physiographic features, the geologic structure, the petrographic characters, composition, mineralogy, occurrence and relations of igneous and metamorphic rocks, and the economic resources.

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Agthe, Fred T., and Dynan, John L.
   Describes the geology of the district, the occurrence, character, relations, and origin of the paint-ore deposits, and mining developments.

Alden, William C.


The discussion was confined to phases illustrated by the pre-Wisconsin drift of southern Wisconsin and northern Illinois.


Describes Mitra {Chrysame} waltonensis n. sp. from the Oligocene of Shoal River bed, west Florida, and Astarte newtonensis n. sp. from the Eocene of Newton Co., Miss.


Describes the general geology and the mineral deposits, chiefly copper and iron.


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Includes a brief account of the local geology and the occurrence and relations of the gold-copper ore bodies.


Includes a brief account of the geology of the ore deposit.


Includes a brief account of the geology of the Mercur district, Utah, and the occurrence and character of the gold ores.

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Ami, H. M

Anderson, Robert.
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Anderson, Tempest.

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Argall, George O.
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Berry, Edward Wilber.
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   Describes various new species from the Black Creek formation of mid-Cretaceous age of North Carolina and gives notes upon species previously described.
   Gives lists of plants, with annotations, from Cretaceous localities in Georgia and describes *Manihotites georgiana* n. gen. and n. sp.
   Describes *Devalquea smithi* n. sp. from the Tuscaloosa formation of Alabama.
   Discusses the geologic age of deposits in Camden County and near Long Branch in Monmouth County, gives notes upon some of the plant remains found in them, and describes *Vitis pseudo-rotundifolia* n. sp.
   Describes *Bauhinia alabamensis* n. sp. from the Tuscaloosa formation in Hale County, Ala.
   Describes *Lycopodium cretaceum* n. sp. from Cretaceous deposits near Middendorf, S. C.
   Discusses the evidence presented by fossil plants as to the correlations of Cretaceous formations in the Atlantic Coastal Plain.

Bibbins, Arthur Barnefeld.
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Discusses the relations and character of the Magothy formation on Long Island and in New Jersey.

Billingsley, Paul.


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Blake, William P.


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Describes the occurrence and characters of Cretaceous strata in the State of Durango, Mexico.
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Bowles, Oliver.

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Brinegar, T. P.

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Brock, Reginald Walter—Continued.

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Broom, R.

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Brown, Charles W.
Includes accounts of the general geology and geography of northern Rhode Island and of the water resources, the coal deposits, and other resources.
Brown, Charles W.—Continu

Brues, Charles T.

Bryan, Kirk.

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Buehler, H. A., and Gottschalk, V. H.

Burchard, Ernest F.

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Burckhardt, Carlos.
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Describes Jurassic and Cretaceous deposits in Mexico.

Burling, Lancaster D.
Burroughs, W. G.

Burrows, R. H.
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Burwash, E. M.
Describes the geologic structure and physiographic features of neighboring mountains.

Butler, G. Montague.
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Butts, Charles.
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Iron ores, fuels, and fluxes of the Birmingham district, Alabama.—See Burchard and Butts, no. 166.

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179. The geology and coal resources of the West Frankfort quadrangle.—Illinois State Geol. Survey, Bull. no. 16, pp. 244-265, 3 pls., 1 fig., 1910.

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Describes the general geology and the character and occurrence of various ore deposits, chiefly gold and copper.

Describes the general geology, the occurrence, character, and relations of pre-Ordovician, later Paleozoic, Jurassic-Cretaceous, Tertiary, and Quaternary formations, the character, distribution, and quality of coal deposits, and the mining developments.
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Calvert, W. R.
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Calvin, Samuel.


An administrative report. The accompanying papers are listed under their authors.


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Cameron, F. K.


Campbell, Marius R.

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Campbell, Marius R., and Parker, Edward W.

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192. The geology and ore deposits of Hedley mining district, British Columbia.—Canada, Geol. Survey, Mem. no. 2, 218 pp., 20 pls., 8 figs., 4 maps, 1910.

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Capilla, Alberto.
Describes the geology and occurrence of gold-bearing deposits in Oaxaca, Mexico.

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Capps, Stephen R.
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The Quaternary of the Nabesna-White River district, Alaska.—See Moffit and Knopf, no. 917.

Caracristi, C. F. Z.

Carey, E. P.
Glaciation in the San Bernardino Range, California.—See Fairbanks and Carey, no. 410.

Carmody, P., and Cunningham-Craig, E. H.

Carney, Frank.


Carpenter, Jay A.
Includes notes on the geology of the region around Battle Mountain, in Lander Co., Nev.
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Carruth, J. A.

Carter, T. Lane.
211. The gold mining industry in Nicaragua.—Eng. and Min. Jour., vol. 90, pp. 1204-1206, 2 figs., December 17, 1910.
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Carter, W. E. H.
Includes notes on the geology and the occurrence of the gold ores.

Case, Ermine C.
Describes progress made in the investigation of the Permian reptiles of North America.

Chadwick, George H.
Describes faulting in Devonian strata in Ulster County, New York.

Chamberlin, Rollin T.
Describes the occurrence and character of older drift deposits in the St. Croix region, Wisconsin.
Certain valley configurations in low latitudes.—See Chamberlin and Chamberlin, no. 224.
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Chamberlin, Thomas Chrowder.
Discusses the nomenclature of American drift sheets.
222. Special problems and their study in economic geology.—Econ. Geology, vol. 5, no. 8, pp. 782-785, 1910.
Chamberlin, T. C., and Chamberlin, R. T.
223. Early terrestrial conditions that may have favored organic synthesis.—Science, new ser., vol. 28, pp. 897-911, December 25, 1908.

Chapman, Robert H.
Gives an outline of the methods of work employed by the U. S. Geological Survey.

Chase, Edwin E.
Describes the local geology and the occurrence and character of the silver-bearing ores.

Chauvenet, Regis.
Describes the geology of the Franklin Mountain near El Paso, Tex., and the occurrence and character of tin ore.

Cirkel, Fritz.

Clapp, Charles H.
Describes the general geology and the mineral resources, chiefly gold, copper, iron, and coal.

Clapp, Frederick G.
Clark, Galen.

Clark, William Bullock.
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Clark, William Bullock, and Mathews, Edward B.

Clark, William Bullock, and Twitchell, M. W.

Clarke, Frank Wigglesworth.

Clarke, John Mason.
Includes notes on the geology of Gaspé Peninsula.
247. Sixth report of the director of the science division, including the 63d report of the state museum, the 29th report of the state geologist, and the report of the state paleontologist for 1909.—New York State Mus., Bull. 140, 229 pp., pls. and figs., 1910.
Includes various notes on the geology and paleontology of New York.

Clarke, John M., and others.

Clarke, John M., and Ruedemann, Rudolf.
Cleland, Herdman F.


Coan, Titus Munson.


Describes the activity of the volcano Kilauea on the Island of Hawaii in July, 1855.

Cockerell, Theodore Dru Alison.


Gives notes upon Cretaceous fossil plants from northwestern Colorado and figures of Genistia reichenbachii and Sabalites grayanus.


Describes Sorbus diversifolia (Lx) and Sorbus nupta n. sp. from the Miocene shales of Florissant, Colo.


Describes Crabro longus n. sp. from the Miocene shales of Florissant, Colo.


Describes Magnolia florissantica n. sp. from the Miocene shales of Florissant, Colo.


Describes Sambucus amabilis n. sp. from the Miocene shales of Florissant, Colo.


Describes Ficus bruesi n. sp. from the Miocene shales of Florissant, Colo., and proposes new names for some fossil species of Ficus found in Colorado.

Coker, Ernest G.

An experimental investigation into the flow of rocks. See Adams and Coker, no. 9.

Cole, Arthur A.


Includes an account of the geology of the Cobalt district, Ontario, and the character and occurrence of the cobalt-silver deposits.

Coleman, Arthur P.

Coleman, Arthur P.—Continued.

Collie, George L.
The fossil fields of Wyoming. Topography of central Wyoming.—See no. 1255.

Collins, W. H.
Describes the general and economic geology.
277. The quartz diabases of Nipissing district, Ontario.—Econ. Geology, vol. 5, no. 6, pp. 538-550, 1 fig., 1910.
Discusses the petrology of these rocks and their relations to the silver-cobalt ore bodies.

Colvocoresses, G. M.
Includes notes on the geology and the occurrence of cobalt-silver ore.

Condon, Thomas.

Connelly, W. A.
Includes notes on the local geology and the occurrence and character of the gold ores.

Cooper, W. F., and Lane, A. C.

Cordeiro, F. J. B.
Corkill, E. T.
Includes notes on the occurrence of various ores.

Coste, Eugene.

Cowan, John L.

Cox, G. H.
Describes the stratigraphy of the area, the mining operations, and the character and origin of the ores.

Cox, G. H., and Murray, E. P.
287. Some relations between the composition of a mineral and its physical properties.—Missouri, Univ. of, School of Mines and Metallurgy, Bull., vol. 3, no. 1, pp. 3-39, 21 figs., December, 1910.

Craig, E. H. Cunningham. See Cunningham-Craig, E. H.

Crampton, Henry E.
Gives notes upon the volcano Kilauea in the Hawaiian Islands.

Crawford, R. D.
Describes the various physical features, the stratigraphy, including pre-Devonian, Devonian, Carboniferous, and igneous rocks, the geologic structure, the ore deposits, and the mining developments.

Crook, Alja Robinson.
The fossil fields of Wyoming. The Union Pacific expedition. Its worth to the student.—See no. 1255.

Cross, Whitman.
Describes the general features of the quadrangle, the geologic structure and relations, the occurrence, relations, and character of igneous and metamorphic rocks and of Algonkian, Cambrian, Devonian, Carboniferous, Triassic, Jurassic, Cretaceous, Tertiary, and Quaternary sediments, the geologic history, and the economic resources.


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Cunningham-Craig, E. H.
298. Oil fields of Trinidad. Special report of the government geologist on the Cedros district. Council paper no. 12 of 1906. 7 pp., Trinidad, 1906.
299. Trinidad oil fields. Special reports by the government geologist on the oil fields of Trinidad; district east of Erin. Council Paper no. 147 of 1906. 6 pp., 1 map, Trinidad, 1906.
300. Trinidad oil fields. General report by the government geologist on the central and northern anticlines (western districts). Council Paper no. 60 of 1907. 19 pp., 1 map, Trinidad, 1907.
301. Report by the government geologist on the metamorphic rocks of Trinidad. Council Paper no. 76 of 1907. 9 pp., Trinidad, 1907.

Curtis, George C.

Cushing, H. P.
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Jellum, S. P.
   Includes various notes on the geology and occurrence of the ore bodies.

Jenney, Walter P.
   Describes the local geology of Tonopah, Nev.

Joerg, W.

Johannsen, Albert.

Johannsen, Albert, and others.

Johnson, Bertrand L.

Johnson, Douglas Wilson.
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Johnson, Douglas Wilson—Continued.


Johnson, Douglas Wilson, and Reed, William Gardner, Jr.


Johnson, Harry R.

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Johnson, Roswell H.

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Johnston, W. A.


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Joly, John.


Jones, C. Colcock.


Jones, Fayette A.


Includes an account of the geology of the island, situated in the Gulf of California.

Jordan, David Starr.


Includes figures of Diplomystus dentatus Cope from the Eocene (Green River shales), at Fossil Station, Wyo.

Julien, Alexis A.


Katz, F. J.


Outline of the geology and mineral resources of the Iliamna and Clark lakes region.—See Martin and Katz, no. 858.
Keele, Joseph.


Keep, G. A.
The Ophir mining district of Utah.—See Gansl and Keep, no. 456.

Kellogg, Louise.


Kemp, James Furman.


Kemp, James F., and Ruedemann, Rudolf.


Describes the general physiographic and geologic features, the geologic structure, the character, relations, and areal distribution of pre-Cambrian, Cambrian, and Ordovician formations, and the economic resources, chiefly iron ores.

Kerr, H. L.


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Keyes, Charles R.


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King, Shirley.


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Kinney, H. D.


Kirkaldy, G. W.


Describes Telecoris pothetias n. gen. and n. sp., Poliocoris amnesis n. gen. and n. sp., and Poliosphageus psychus n. gen. and n. sp., from the Miocene shales of Florissant, Colorado.

Klotz, Otto.

Klotz, Otto—Continued.

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Mineral resources of the Nabesna-White River district, Alaska.—See Moffit and Knopf, no. 917.

Knopf, Adolph, and Schaller, W. T.


Knowlton, Frank Hall.


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Evidences of paleobotany as to geological climate.—See White and Knowlton, no. 1324.

Kramm, H. E.


Describes the stratigraphy (Carboniferous, Triassic, Jurassic, Cretaceous), the geologic history, and the economic resources, chiefly gypsum.

Kümmel, Henry B.


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La Forge, Laurence.

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Lahee, Fred. H.


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Lambe, Lawrence M.
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An administrative report. Includes notes on various geologic features of Michigan.
A discussion of the relations, correlations, character, distribution, and origin of Ordovician, Silurian, Devonian, Carboniferous, and Pleistocene deposits.

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Lane, Alfred C.—Continued.


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Report on the geology of Tuscola County, Michigan.—See Cooper and Lane, no. 281.

Preliminary geological map of the Porcupine Mountains and vicinity.—See Wright and Lane, no. 1398.

Lane, Alfred C., and Seaman, A. E.


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Larsen, E. S.

Quartz as a geologic thermometer.—See Wright and Larsen, no. 1399.

Lawrence, Benjamin B.


Describes the copper mine, the local geology, and the character of the copper ore deposit at Santiago de Cuba, and the iron deposit near Dalquiri, Cuba.

Lawton, E. M.


Leach, W. W.


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LeBoy, O. E.
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Lestrange, C. M.

Leverett, Frank.

Lewis, Samuel J.
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McCaskey, H. D.
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McConnell, R. G.


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Mackenzie, Kenneth Gerard.
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McLeish, John.
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McLeod, John W.
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Maddren, A. G.

Magie, William Francis.

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Describes and figures a mounted skeleton of Cryptoclidus in the American Museum of Natural History.

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Describes Phalarodon fraasi n. gen. and n. sp. from the Triassic of West Humboldt Range, Nevada.

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Narraway, J. E.
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Nattress, Thomas.
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Nelson, C. N.
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Newland, David H.
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Nicholas, Francis C.

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Perkins, George H.—Continued.

Peterson, O. A.

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Powell, S. L.
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Prosser, Charles S.
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Prosser, Charles S., and Morse, William Clifford.


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Prutzman, Paul W.


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Rabot, Charles.


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Ransome, Frederick Leslie.


Bismite.—See Schaller and Ransome, no. 1097.

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Reed, Margaret.

Mutations of Spirifer mucronatus.—See Grabau and Reed, no. 498.

Reed, W. H.

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Reed, William Gardner, Jr.

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Requa, M. L.
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Richards, Ralph W.
Preliminary report on the phosphate deposits in southeastern Idaho and adjacent parts of Wyoming and Utah.—See Gale and Richards, no. 454.

Richardson, C. H.

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Describes the occurrence, character, and composition.

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Richardson, George Burr.
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Rickard, T. A.


Rider, Ezra B.


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Ries, Heinrich.


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Roberts, Milnor.


Robertson, William Fleet.


Includes notes on the geology and occurrence of various ores in British Columbia.


Robinson, H. H.


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Rogers, G. S.

Rohwer, S. A.
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Romanet du Caillaud, F.
Describes the character, occurrence, and geologic relations of kaoliniferous rocks in the Lake Nipigon region, Ontario.

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Rouiax, Pastor.
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Savage, T. E.


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Sayles, Robert W., and LaForge, Laurence.


Schaller, Waldemar T.

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Schaller, W. T., and Ransome, F. L.
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Schrader, F. C., and Hill, J. M.
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Schultz, Alfred R.


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Seamon, W. H.


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Physical geography.—See Maury and Simonds, no. 882.

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Sinclair, William J.

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Smith, Edgar F.
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Stremme, H.

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Includes notes on the geology and the occurrence of the ores carrying principally gold, silver, and lead.

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Todd, James E.


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The fossil fields of Wyoming. Practical value of the excursion.—See no. 1255.

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Zuber, Rudolf.


Anonymous.


Discusses the genesis of copper ores at Bingham, Utah.


CLASSIFIED SCHEME OF SUBJECT HEADINGS.

1. GENERAL.

Associations, meetings; Addresses; History; Philosophy; Biography; Bibliography; Educational; Text-books.

Classification; Nomenclature; Cartography; Technique; Fieldwork; Surveys; Borings.

Geochemistry; Chemical analyses (list); Atmosphere.

Miscellaneous.

2. REGIONAL.

The States of the Union, Alabama, etc.; the Provinces of Canada, Alberta, etc.; Greenland; Mexico; the countries of Central America; the West Indies, and the single islands; the Hawaiian Islands.

3. ECONOMIC.

Ore deposits, origin; Contact phenomena.

Gold; Placers; Black sands; Silver; Quicksilver; Nickel; Cobalt; Copper; Lead; Zinc; Iron; Magnetite; Manganese; Tin; Aluminum; Bauxite; Antimony; Bismuth; Tungsten; Wolframite; Vanadium; Uranium; Carnotite ores; Molybdenum; Molybdenite; Titanium; Rutile; Platinum; Monazite; Rare earths; Tantalum; Selenium; Tellurium; Zircon.

Coal; Anthracite; Coke; Peat; Lignite; Bituminous rock; Natural gas; Petroleum; Oil shales; Asphalt; Albertite; Gilsonite; Grahamite; Ozokerite.

Stone; Building stone; Granite; Bluestone; Limestone; Lime; Marble; Onyx; Sandstone; Clay; Kaolin; Bentonite; Fire clay; Ganister; Slate; Shale; Marl; Sand; Glass sand; Sand-lime brick; Gravel; Cement and cement materials; Concrete materials; Road materials; Trap; Steatite; Soapstone; Talc.

Precious stones; Diamonds; Sapphires; Turquoise; Tourmaline.

Abrasive materials; Corundum; Emery; Garnet; Diatomaceous earth; Tripoli; Volcanic ash; Millstones; Novaculite.

Asbestos; Feldspar; Mica; Quartz; Gypsum; Graphite; Fuller’s earth; Infusorial earth; Magnesite; Mineral paint; Chromium; Chromite; Chromic iron ore; Fluorspar; Barite; Barytes; Strontium; Arsenic; Pyrite; Sulphur; Sulphate of soda; Cryolite; Phosphorus; Phosphate; Apatite; Glaucnite; Borax; Bromine; Salt; Natron deposits.

4. DYNAMIC AND STRUCTURAL.

Earth, genesis of; Earth, age of; Earth, interior of; Earth, temperature of.

Volcanoes; Earthquakes; Seismographs.

Isostasy; Orogeny; Changes of level.

Magma; Intrusions; Dikes; Laccoliths; Metamorphism; Contact phenomena.

Deformation; Folding; Faulting; Unconformities.

Conglomerates; Concretions; Stalactites; Jointing; Cleavage.

Sedimentation; Denudation; Erosion; Caves; Sink holes; Erratic bowlders; Weathering; Wind work; Dunes; Loess; Landslides.

Glaciers; Glacial erosion; Eskers; Kames; Moraines; Kettle holes.

Drainage changes.
5. PHYSIOGRAPHIC.

Geomorphology; Relief maps.
Valleys; Cirques; Deserts; Dunes; Deltas; Alluvial fans; Eskers; Kames; Mounds, natural; Natural bridges; Sink holes; Karst.
Lakes; Swamps; Marshes; Everglades; Terraces; Shore lines; Rivers; Meanders; Falls; Springs.

6. HISTORICAL OR STRATIGRAPHIC.

Geologic history; Geologic time; Paleogeography; Paleogeographic maps; Paleoclimatology.
Geologic maps; Geologic formations described (list).
Pre-Cambrian, Cambrian; Ordovician; Silurian; Devonian; Carboniferous; Triassic; Jurassic; Cretaceous; Tertiary; Quaternary; Recent; Glacial geology; Glaciation; Glacial lakes; Ice ages.

7. PALEONTOLOGY.

Geographic distribution.
Vertebrata; Man, fossil; Mammalia; Aves; Reptilia; Amphibia; Pieces; Footprints, fossil.
Invertebrata; Arthropoda; Trilobita; Ostracoda; Insecta; Arachnida; Myriapoda.
Mollusca; Cephalopoda; Gastropoda; Pelecypoda.
Molluscoidea; Brachiopoda; Bryozoa; Vermes.
Echinodermata; Echinoidea; Asteroidea; Crinoidea; Crystoidea.
Ccelenterata; Anthozoa; Hydrozoa; Graptolites.
Protozoa; Spongida; Foraminifera.
Paleobotany; Diatoms.
Problematica.

8. PETROLOGY.

Rocks, origin; Rocks described (list); Igneous and volcanic rocks; Rock-forming minerals.

9. MINERALOGY.

Minerals described (list); Crystallography; Pseudomorphism; Paragenesis of minerals; Rock-forming minerals; Meteorites.

10. UNDERGROUND WATER.

Mine waters; Thermal waters; Geysers; Springs; Mineral waters.

11. SOILS.
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