

GEOLOGICAL SURVEY CIRCULAR 86



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**BIBLIOGRAPHY OF U. S. GEOLOGICAL SURVEY
PUBLICATIONS RELATING TO COAL
1882-1949**

By

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FOREWORD

All publications of the U. S. Geological Survey relating to coal published prior to January 1, 1950, are listed in the following Bibliography and in an Index beginning on page 18. The Bibliography gives complete titles of reports, listed numerically under several series headings as follows: Annual Reports, Monographs, Professional Papers, Bulletins, Water Supply Papers, Mineral Resources, Geologic Folios, Circulars, Regulations, Press Notices, and Maps not otherwise classified. The Index lists the publications alphabetically under state headings by counties, districts, and fields. The use of the Index will permit rapid selection of reports describing specific areas.

The annual reports, monographs, professional papers, bulletins, water supply papers, chapters and volumes of Mineral Resources of the United States, and regulations, if available, are sold direct by the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

The geologic folios, circulars, and press notices, and maps of areas east of the Mississippi River should be ordered from the U. S. Geological Survey, Washington 25, D. C. Maps of areas west of the Mississippi River should be ordered from the Distribution Section, U. S. Geological Survey, Denver Federal Center, Denver, Colo. The geologic folios, circulars, and all maps are also available for over-the-counter distribution (not by mail) from the U. S. Geological Survey, Room 1210, General Services Building, Washington 25, D. C.

Prices for the various publications that are available are quoted following titles in the Bibliography. Publications marked by an asterisk (*) in the Bibliography, and for which no prices are quoted, are out of print, and can no longer be obtained either from the Superintendent of Documents or the Geological Survey. They may be consulted, however, in many large public libraries and in most College or University libraries, a selected list of which is given, beginning on page 43. Some Geological Survey publications may be purchased from dealers in second-hand scientific books.

Publication of new coal maps and reports is announced immediately by a mimeographed press notice issued by the Department of the Interior Information Service, in which the subject, content, and price are given. A mailing list is maintained for sending these press notices to individuals with a bona fide interest in the publications relating to part or all of the United States. Written requests to be placed on the mailing list should be addressed to the U. S. Geological Survey, Washington 25, D. C.

A list of all new publications issued by the Geological Survey is prepared monthly and mailed to those who request this service.

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 - *(1) The Potomac and Roaring Creek coal fields in West Virginia, by J. D. Weeks, pp. 567-590, pls. lxxiii-lxxiv.
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 - *(c) A geological reconnaissance in northwestern Oregon, by J. S. Diller, pp. 441-520, pls. iv-xvi.
 - *(e) Report on coal and lignite of Alaska, by W. H. Dall, pp. 763-908, pls. xlviii-lviii.
- *Part II, Economic geology and hydrography.
 - *(d) Geologic section along the New and Kanawha rivers in West Virginia, by M. R. Campbell and W. C. Mendenhall, pp. 473-511, pls. xxxviii-xlix.
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 - *(f) Preliminary report on the Camden coal field of southwestern Arkansas, by J. A. Taff, pp. 313-329, pls. xxxviii-xxxix.
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 - *(c) The Pennsylvania anthracite coal field, by H. H. Stoeck, pp. 55-117, pls. vi-x.
 - *(d) The northern Appalachian coal field, by David White, M. R. Campbell, and R. M. Haseltine, pp. 119-226, pls. xi-xii.
 - *(e) The southern Appalachian coal field, by C. W. Hayes, pp. 227-263, pls. xiii-xv.
 - *(f) The eastern interior coal field, by G. H. Ashley, pp. 265-305, pls. xvi-xix.
 - *(g) The northern interior coal field, by A. C. Lane, pp. 307-331, pls. xx-xxi.
 - *(h) The western interior coal field, by H. F. Bain, pp. 333-366, pls. xxii-xxiv.
 - *(i) The southwestern coal field, by J. A. Taff, pp. 367-413, pls. xxv-xxviii.
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- *51. Geology of the Bighorn Mountains, by N. H. Darton. 1906. 129 pp., 47 pls.
- *53. Geology and water resources of the Bighorn Basin, Wyo., by C. A. Fisher. 1906. 72 pp., 16 pls.
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- *100. The coal fields of the United States, by M. R. Campbell and J. A. Bownocker. 1929.
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- *145. Geology and oil and coal resources of the Oregon Basin, Meeteetse and Grass Creek Basin quadrangles, Wyo., by D. F. Hewett. 1926. iv, 107 pp., 32 pls.
- *152. Geography, geology, and mineral resources of part of southeastern Idaho, by G. R. Mansfield, with descriptions of Carboniferous and Triassic fossils, by G. H. Girty. 1927. xiii, 453 pp., 70 pls.
- *164. The Kaiparowits region, a geographic and geologic reconnaissance of parts of Utah and Arizona, by H. E. Gregory and R. C. Moore. 1931. vii, 161 pp., 31 pls.
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- 193. Shorter contributions to general geology, 1938-1940, papers by Julia Gardner, N. H. Darton, J. D. Sears, and others. Issued only in separate chapters, as indicated below.
(d) Some structural features of the Northern Anthracite coal basin, Pa., by N. H. Darton. 1940. pp. i-iii, 69-81, pls. 10-19. 50¢.
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- *56. Fossil wood and lignite of the Potomac formation, by F. H. Knowlton. 1889. 72 pp., 7 pls.
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- *277. Mineral resources of Kenai Peninsula, Alaska: Coal fields of the Kachemak Bay region, by R. W. Stone. 1906. 80 pp., 18 pls.
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- The Durango-Gallup coal field of Colorado and New Mexico, by F. C. Schrader, pp. 241-258, pl. vii.
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- *286. Economic geology of the Beaver quadrangle, Pa. (southern Beaver and northwestern Allegheny Counties), by L. H. Woolsey. 1906. 132 pp., 8 pls.
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 - The Elkhorn coal field, Kentucky, by R. W. Stone, pp. 42-54, pl. iii.
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 - *(c) Coal fields of Montana. -
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 - Coals of Carbon County, Mont., by N. H. Darton, pp. 174-193, pl. xi.
 - The coal fields of Dawson, Rosebud, and Custer Counties, Mont., by A. G. Leonard, pp. 194-211, pl. xii.
 - *(d) Coal fields of Wyoming. -
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 - The Pleasant Valley coal district, Carbon and Emery Counties, Utah, by J. A. Taff, pp. 338-358, pl. xx.
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- *323. Experimental work conducted in the chemical laboratory of the United States fuel-testing plant at St. Louis, Mo., January 1, 1905, to July 31, 1906, by N. W. Lord. 1907. 49 pp.
- *325. A study of four hundred steaming tests, made at the fuel-testing plant, St. Louis, Mo., in 1904, 1905, and 1906, by L. P. Breckenridge. 1907. 196 pp.
- *326. The Arkansas coal field, by A. J. Collier, with reports on the paleontology, by David White and G. H. Girty. 1907. 158 pp., 6 pls.
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- *335. Geology and mineral resources of the Controller Bay region, Alaska, by G. C. Martin. 1908. 141 pp., 10 pls.
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 - *(a) Coal fields of North Dakota and Montana.-
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 - The Sentinel Butte lignite field, North Dakota and Montana, by A. G. Leonard and C. D. Smith, pp. 15-35, pl. ii.
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- * 108. Edgemont, S. Dak.-Nebr., by N. H. Darton and W. S. T. Smith. 1904.
- * 110. Latrobe, Pa., by M. R. Campbell. 1904.
- * 115. Kittanning, Pa., by Charles Butts and Frank Leverett. 1904.
- * 121. Waynesburg, Pa., by R. W. Stone. 1905.
- * 123. Elders Ridge, Pa., by R. W. Stone. 1905.
- * 125. Rural Valley, Pa., by Charles Butts. 1905.
- * 127. Sundance, Wyo.-S. Dak., by N. H. Darton. 1905.
- * 128. Aladdin, Wyo.-S. Dak.-Mont., by N. H. Darton and C. C. O'Harra. 1905.

- *132. Muskogee, Ind. T. (Okla.), by J. A. Taff. 1906.
- *133. Ebensburg, Pa., by Charles Butts. 1905.
- *134. Beaver, Pa., by L. H. Woolsey. 1905.
- *139. Snoqualmie, Wash., by G. O. Smith and F. C. Calkins. 1906.
- *141. Bald Mountain-Dayton, Wyo., by N. H. Darton and R. D. Salisbury. 1906.
- *142. Cloud Peak-Fort McKinney, Wyo., by N. H. Darton and R. D. Salisbury. 1906.
- *144. Amity, Pa., by F. G. Clapp. 1907.
- *146. Rogersville, Pa., by F. G. Clapp. 1907.
- *148. Joplin district, Mo.-Kans., by W. S. T. Smith and C. E. Siebenthal. 1907. Reprint. 1914. (50¢.)
- *150. Devils Tower, Wyo., by N. H. Darton and C. C. O'Harra. 1907.
- *153. Ouray, Colo., by Whitman Cross, Ernest Howe, and J. D. Irving. 1907.
- *154. Winslow, Ark.-Ind. T. (Okla.), by A. H. Purdue. 1907.
- *156. Elk Point, S. Dak.-Nebr.-Iowa, by J. E. Todd. 1908.
- *159. Independence, Kans., by F. C. Schrader. 1908.
- *160. Accident-Grantsville, Md.-Pa.-W. Va., by G. C. Martin. 1908.
- *172. Warren, Pa.-N. Y., by Charles Butts. 1910.
- *173. Laramie-Sherman, Wyo., by N. H. Darton, Eliot Blackwelder, and C. E. Siebenthal. 1910.
- *174. Johnstown, Pa., by W. C. Phalen. 1910.
- *175. Birmingham, Ala., by Charles Butts. 1910.
- *176. Sewickley, Pa., by M. J. Munn. 1911.
- *177. Burgettstown-Carnegie, Pa., by E. W. Shaw and M. J. Munn. 1911.
- *178. Foxburg-Clarion, Pa., by E. W. Shaw, E. F. Lines, and M. J. Munn. 1911.
- *179. Pawpaw-Hancock, Md.-W. Va.-Pa., by G. W. Stose and C. K. Swartz. 1912.
- *180. Claysville, Pa., by M. J. Munn. 1912.
- *181. Bismarck, N. Dak., by A. G. Leonard. 1912. Field edition. 1912. (50¢.)
- *184. Kenova, Ky.-W. Va.-Ohio, by W. C. Phalen. 1912.
- *185. Murphysboro-Herrin, Ill., by E. W. Shaw and T. E. Savage. 1912. Field edition. 1915. (50¢.)
- 188. Tallula-Springfield, Ill., by E. W. Shaw and T. E. Savage. 1913. (25¢.)
- *189. Barnesboro-Patton, Pa., by M. R. Campbell, F. G. Clapp, and Charles Butts. 1913.
- 195. Belleville-Breese, Ill., by J. A. Udden and E. W. Shaw. 1915. (25¢.)
- *203. Colorado Springs, Colo., by G. I. Finlay. 1916.
- *206. Leavenworth-Smithville, Mo.-Kans., by Henry Hinds and F. C. Greene. 1917.
- 208. Colchester-Macomb, Ill., by Henry Hinds. 1919. (25¢.)
- 213. New Athens-Okawville, Ill., by E. W. Shaw. 1921. (25¢.)
- *214. Raton-Brilliant-Koehler, N. Mex.-Colo., by W. T. Lee. 1922.
- 216. Carlyle-Centralia, Ill., by E. W. Shaw. 1923. (25¢.)
- *218. Riddle, Oreg., by J. S. Diller and G. F. Kay. 1924.
- 220. Gillespie-Mount Olive, Ill., by Wallace Lee. 1926. (25¢.)
- *221. Bessemer-Vandiver, Ala., by Charles Butts. 1927.
- 224. Somerset-Windber, Pa., by G. B. Richardson. 1935. (50¢.)
- 226. Montevallo-Columbiana, Ala., by Charles Butts. 1940 (1941). (50¢.)
- 227. Hollidaysburg-Huntingdon, Pa., by Charles Butts. 1945 (1946). (\$2.00.)

CIRCULARS

- 53. Coal resources of Montana, by J. X. Combo, D. M. Brown, H. F. Pulver, and D. A. Taylor. August, 1949. 28 pp. No charge.

REGULATIONS

Operating regulations to govern coal-mining methods and the safety and welfare of miners on leased lands on the public domain under the act of February 25, 1920 (41 Stat. 437), and amendments thereto. 2d edition. 1938. ii, 46 pp. 10¢. (1st edition, 1923, issued by Bureau of Mines.)

MEMOGRAPHED PRESS NOTICES

A few press notices released between 1922 and 1945 contained geologic data on coal-bearing areas, but for the most part this information was included in later publications of the U. S. Geological Survey. The press notices listed below, however, contain information on coal that has not been published in subsequent reports of the Geological Survey.

- 1922. *Possible coal mining in a new field on Lower Guest River, Va.
- 1926. *The extent of the Montevallo coal field of the southern part of the Cahaba coal field, Alabama.
- 1944. *Coal deposits of the Costello Creek Basin, Alaska.
- *Part of Herendeen Bay coal field, Alaska.
- 1945. *Geology and coal resources of the western part of the Lower Matanuska Valley coal field, Alaska.
- *Coal deposits in the valley of the Healy River, Alaska.
- Geology and coal resources of the eastern part of the Lower Matanuska Valley coal field, Alaska.

MAPS

United States Map

Coal fields of the United States. (2 sheets.) Scale, 1:2,500,000. 1942. 56 by 85 inches. \$1.00.

Missouri Basin Studies

1. Mineral resources of the Missouri Valley region, part 3, fuel resources, compiled by D. H. Dow, D. M. Larrabee, and S. E. Clabaugh. Scale, 1:2,500,000. 1946. 38 by 48 inches. 40¢.

Preliminary Maps.

- *Coal mines and base of Mesaverde coal measures in part of Carbon and Emery Counties, Utah, compiled by B. W. Dyer and J. J. Bourquin. Scale, 1 inch=1 mile. 1929. (See also Bulls. 793, 819, and 852.)
- *Geologic structure of southeastern Kansas coal fields, by W. G. Pierce and others. Scale, 1 inch=2 miles. 1935. (See Kansas Geological Survey Bull. 24.)
- Lehigh district, Coal, Atoka, and Pittsburg Counties, Okla., by M. M. Knechtel and others. Scale, 1 inch=1 mile. 1935. 25¢. (See also Bull. 874 b.)
- Geologic structure of the Quinton-Scipio district, Pittsburg, Haskell, and Latimer Counties, Okla., by C. H. Dane, H. E. Rothrock, and J. S. Williams. Scale, 1 inch=1 mile. 1935. 25¢. (See also Bull. 874c.)
- Coal districts in Oklahoma: Price: \$1.00 per copy or \$4.00 for set of five maps.
- Lehigh district, Coal and Atoka Counties, by T. A. Hendricks and others. Scale, 1 inch= $\frac{1}{2}$ mile. 1935. (See also Bull. 874b.)
- McAlester district, Pittsburg and Latimer Counties, by T. A. Hendricks and others. Scale, 1 inch= $\frac{1}{2}$ mile. 1935. (See also Bull. 874a.)
- Wilburton district, Latimer County, by T. A. Hendricks and others. Scale, 1 inch= $\frac{1}{2}$ mile. 1935. (See also Bull. 874d.)
- Howe district, Le Flore, Haskell, and Latimer Counties, by T. A. Hendricks and others. Scale, 1 inch= $\frac{1}{2}$ mile. 1935. (See also Bull. 874d.)
- Stigler-Poteau district, Pittsburg, Haskell, and Le Flore Counties, by W. T. Thom and Pat Rose. Scale, 1 inch=1 mile. 1935.
- The Mount Pleasant coal field, Sanpete County, Utah, by D. C. Duncan. Scale, 1 inch=3,000 feet. 1944. No charge.
- Willow Creek coal area, Lincoln County, Wyo., by D. A. Andrews. Scale, 1 inch=4,000 feet. 1944. 50¢.
- Northern Le Flore County, Okla., by M. M. Knechtel. Scale, 1 inch=4,000 feet. 1944. 50¢.
- Coal fields of King County, Wash., by W. G. Warren, H. Norbistrath, R. M. Grivetti, and S. P. Brown. Scale, 1 inch= $\frac{1}{2}$ mile. 1945. 50¢.
- Eastern part of the lower Matanuska Valley coal field, Alaska, by Ralph Tuck and others. Scale, 1 inch=500 feet. 1945. 50¢.
- Coal deposits on Sand and Lookout Mountains, Dade and Walker Counties, Ga., by V. H. Johnson. Scale, 1 inch=4,000 feet. 1946. 55¢.
- Paonia coal field, Delta and Gunnison Counties, Colo., by V. H. Johnson. Scale, 1 inch=4,000 feet. 1948. 50¢.
- Coal City and Fairview Basins, Coosa coal field, St. Clair County, Ala., by H. E. Rothrock. (2 sheets.) Scales, 1:20,000 and 1:31,680. 1948. \$1.00.
- Deep River coal field, Chatham, Lee, and Moore Counties, N. C., by J. A. Reinemund. (2 sheets.) Scale, 1 inch=2,000 feet. 1949. 60¢.

Oil and Gas Investigations Preliminary Maps

81. Geology of the southern part of Archuleta County, Colo., by G. H. Wood, V. C. Kelley, and A. J. MacAlpin. Scale, 1 inch=1 mile. 1948. \$1.00.
109. Geology and coal resources of the Durango area, La Plata and Montezuma Counties, Colo., by A. D. Zapp. (2 sheets.) Scale, 2 inches=1 mile. 1949. \$1.00.

Oil and Gas Investigations Preliminary Charts

27. The Tertiary stratigraphy of the Jackson Hole area, northwestern Wyoming, by J. D. Love. 1947. 60¢.

INDEX

The following abbreviations are used in the index below: A, Annual Report; M, Monograph; P, Professional Paper; B, Bulletin; W, Water-Supply Paper; MR, Mineral Resources; GF, Geologic Folio; C, Circular; PN, Press Notice; Map, unclassified maps of all kinds; Chart, Preliminary chart of the Oil and Gas Investigations Series. Do not attempt to order publications from this index. Consult the Bibliography to ascertain if the report is available.

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Saline County B 659

Schuyler County B 541 f

Smithville quadrangle (Clay and Platt Counties) GF 206

Sullivan County B 541 f

MONTANA

General A 22 III j

Analyses B 471 j, 531 m, 541 k, 621 p (See also reports on individual areas.)

Ashland field (Custer, Powder River, and Rosebud Counties)	B 831 b
Baker field (Custer and Fallon Counties)	B 471 d
Bear Creek field (Carbon County)	B 225, 285 f, 316 c, 341 a
Beaverhead County	B 661 i, 729
Big Horn County	B 541 h, 749, 806 b, 812 a, 822 a, 856
Big Sandy field (Chouteau County)	B 541 h
Bitterroot Forest Reserve (Missoula and Ravalli Counties)	B 531 g
Blackfeet field (Glacier, Pondera and Toole Counties)	B 621 k
Blaine County	B 381 a, 471 e, 541 h
Bridger field (Carbon County)	B 316 c, 341 b
Broadwater County	GF 24
Bull Mountain field (Musselshell and Yellowstone Counties)	B 341 a, 381 a, 431 b, 647
Carbon County	B 225, 285 f, 316 c, 341 a, b, 641 g, 822 a
Carter County	B 751 f
Cascade County	B 316 c, 356, 641 h; GF 55, 56; W 221
Chouteau County	B 541 h, 847 f; GF 55
Cleveland field (Blaine County)	B 541 h
Crazy Mountain field (Meagher, Park, and Wheatland Counties)	B 341 a
Crow Indian Reservation (Big Horn County)	B 856
Culbertson field (Roosevelt and Sheridan Counties)	B 471 d
Custer County	B 285 f, 316 c, 341 a, 471 d, 531 f, 831 b, 847 b, 906 c
Custer district (Big Horn and Yellowstone Counties)	B 541 h
Custer National Forest (Powder River and Rosebud Counties)	B 381 a
Daniels County	B 381 a, 541 h, 751 e
Dawson County	B 285 f, 316 c, 471 d, 847 c
Deer Lodge County	B 531 g
Ekalaka field (Carter and Fallon Counties)	B 751 f
Electric field (Park County)	B 471 e; GF 1
Fallon County	B 285 f, 471 d, 751 f
Fergus County	B 341 a, 390, 541 h; GF 55
Flint Creek field (Granite County)	B 531 g
Forsyth field (Big Horn, Rosebud, and Treasure Counties)	B 812 a
Fort Benton quadrangle (Cascade, Chouteau, Fergus, and Judith Basin Counties)	GF 55
Fort Peck Indian Reservation (Daniels, McCone, Richland, Roosevelt, Sheridan, and Valley Counties)	B 381 a
Gallatin County	B 471 e; GF 1, 24, 56
Garfield County	B 316 c
Glacier County	B 621 k
Glendive field (Dawson, Prairie, and Wibaux Counties)	B 471 d
Golden Valley County	W 518
Granite County	B 531 g
Great Falls field (Cascade, Judith Basin, and Meagher Counties)	B 316 c, 356, 641 h; W 221
Hill County	B 381 a, 471 e, 847 f
Hound Creek district (Cascade and Meagher Counties)	B 641 h
Jefferson County	GF 24
Judith Basin County	B 316 c, 341 a, 356, 390; GF 55, 56; W 221
Judith district (Fergus, Musselshell, and Petroleum Counties)	B 541 h
Lewistown field (Fergus, Judith Basin, and Wheatland Counties)	B 341 a, 390
Liberty County	B 847 f
Little Belt Mountains quadrangle (Cascade, Gallatin, Judith Basin, Meagher, Park, Sweet Grass, and Wheatland Counties)	GF 56
Little Sheep Mountain field (Custer, Prairie, and Rosebud Counties)	B 531 f
Livingston quadrangle (Gallatin, Park, Stillwater, and Sweet Grass Counties)	B 471 e; GF 1

Madison County	GF 24
McCone County	B 381 a, 905
Meagher County	B 341 a, 641 h; GF 56
Miles City field (Custer County)	B 341 a
Milk River field (Blaine and Hill Counties)	B 381 a, 471 e
Missoula County	B 531 g
Mizpah field (Custer County)	B 906 c
Musselshell County	B 341 a, 381 a, 431 b, 541 h, 647; W 518
Park County	B 341 a, 471 e; GF 1, 24, 56
Petroleum County	B 541 h
Pine Ridge field (Big Horn and Yellowstone Counties)	B 541 h
Plentywood and Scobey districts (Daniels and Sheridan Counties)	B 541 h
Pondera County	B 621 k
Powder River County	B 381 a, 831 b
Powell County	B 531 g
Prairie County	B 285 f, 316 c, 471 d, 531 f
Ravalli County	B 531 g
Red Lodge field (Carbon County)	B 225, 316 c, 341 a, 641 g
Resources	C 53
Richey-Lambert field (Dawson and Richland Counties)	B 847 c
Richland County	B 381 a, 471 d, 847 c
Roosevelt County	B 381 a, 471 d
Rosebud County	B 316 c, 381 a, 531 f, 806 b, 812 a, 831 b, 847 b; W 600
Rosebud field (Custer and Rosebud Counties)	B 847 b; W 600
Scobey field (Daniels, Sheridan, and Valley Counties)	B 541 h, 751 e
Sentinel Butte field (Wibaux County)	B 341 a
Sheridan County	B 381 a, 471 d, 541 h, 751 e
Sheridan field, northward extension (Big Horn and Rosebud Counties)	B 806 b
Sidney field (Dawson, Richland, and Wibaux Counties)	B 471 d
Silver Bow County	B 531 g
Silvertip field (Carbon County)	B 341 b
Stillwater County	B 641 g, 822 a; GF 1
Stillwater field (Carbon and Stillwater Counties)	B 641 g
Sweet Grass County	B 471 e; GF 1, 56
Terry field (Custer, Fallon, Prairie, and Wibaux Counties)	B 471 d
Tertiary lake beds (Deer Lodge, Granite, Missoula, Powell, Ravalli, and Silver Bow Counties)	B 531 g
Tertiary lake beds (Beaverhead County)	B 661 i, 729
Three Forks quadrangle (Broadwater, Gallatin, Jefferson, Madison, and Park Counties)	GF 24
Toole County	B 621 k
Trail Creek field (Gallatin, Park, and Sweet Grass Counties)	B 471 e; GF 1
Treasure County	B 749, 812 a; W 599
Tullock Creek field (Big Horn and Treasure Counties)	B 749
Upper Stillwater Basin (Carbon and Stillwater Counties)	B 641 g
Valier field (Glacier, Pondera, and Toole Counties)	B 621 k
Valley County	B 381 a, 751 e
Wheatland County	B 341 a, 390; GF 56
Wibaux County	B 285 f, 316 c, 341 a, 471 d
Yellowstone County	B 341 a, 381 a, 431 b, 541 h, 647, 822 a; W 599

NEBRASKA

General	A 22 III h
Dakota County	B 225; GF 156
Dixon County	B 225; GF 156
Elk Point quadrangle (Dakota and Dixon Counties)	GF 156

NEVADA

Coaldale field (Esmeralda County)	B 531 k
Esmeralda County	B 225, 531 k

NEW HAMPSHIRE

Peat, general	B 728
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NEW JERSEY

Peat, general	B 728
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NEW MEXICO

General	A 22 III j
Alamosa Creek Valley (Socorro County)	B 716 a
Analyses	B 531 m, 541 k, 621 p (See also reports on individual areas.)
Bernalillo County	B 471 h, 860 b
Brilliant quadrangle (Colfax County)	GF 214
Carthage field (Socorro County)	B 381 c
Cerrillos field (Santa Fe County)	B 531 j
Chacra Mesa field (McKinley, Sandoval, and San Juan Counties)	B 860 c
Colfax County	P 101; B 752; GF 214
Cuba field (McKinley and Sandoval Counties)	B 381 c
Datil Mountain field (Socorro County)	B 716 a
Durango field (McKinley, Rio Arriba, and San Juan Counties)	B 285 f, 316 f, 341 c
Engle field (Sierra County)	B 285 f
Fort Stanton, or Sierra Blanca field (Lincoln County)	B 316 f
Gallina field (McKinley and Sandoval Counties)	B 341 c
Gallup field (McKinley and San Juan Counties)	P 93; B 285 f, 316 f, 341 c, 767
Hagan, or Una del Gato field (Sandoval County)	B 316 f
Koehler quadrangle (Colfax County)	GF 214
La Ventana field (McKinley, Sandoval, and San Juan Counties)	B 860 c
Lincoln County	B 225, 316 f, 541 j
McKinley County	P 93; B 285 f, 316 f, 341 c, 381 c, 767, 860 a, b, c
Monero field (Rio Arriba County)	B 341 c
Mount Taylor field (Bernalillo, McKinley, Sandoval, and Valencia Counties)	B 860 b
Omara field (Santa Fe County)	B 381 c
Otero County	B 541 j
Pecos River field (San Miguel County)	B 381 c
Raton field (Colfax County)	P 101; B 752; GF 214
Raton quadrangle (Colfax County)	GF 214
Raton Spring field (McKinley and Sandoval Counties)	B 341 c
Rio Arriba County	B 341 c

Sandoval County B 316 f, 341 c, 381 c, 860 b, c
 San Juan County B 285 f, 316 f, 716 g, 860 c
 San Juan River region (Bernalillo, McKinley, Rio Arriba, Sandoval, San Juan, and Valencia Counties)
 P 93; B 285 f, 316 f, 341 c, 381 c, 716 g, 767, 860 a, b, c
 San Mateo field (McKinley, Sandoval, and Valencia Counties) B 341 c, 381 c
 San Miguel County B 381 c
 Santa Fe County B 381 c, 531 j
 Sierra Blanca field (Lincoln and Otero Counties) B 225, 316 f, 541 j
 Sierra County B 285 f
 Socorro County B 381 c, 716 a

Tijeras field (Bernalillo County) B 471 h

Una del Gato field (Sandoval County) B 316 f

Valencia County B 341 c, 767, 860 b

White Mountain, or Sierra Blanca field (Lincoln County) B 225

Zuni Indian Reservation (McKinley and Valencia Counties) B 767

NEW YORK

Peat, general B 728

NORTH CAROLINA

General A 22 III b

Chatham County Map

Dan River (Rockingham and Stokes Counties) B 471 b

Deep River field (Chatham, Lee, and Moore Counties) Map

Lee County Map

Moore County Map

Peat, general B 711 c, 728

Rockingham County B 471 b

Stokes County B 471 b

NORTH DAKOTA

General A 22 III j; B 225, 285 f; W 117, 598

Adams County B 541 g

Analyses B 471 j, 531 m, 621 p (See also reports on individual areas.)

Billings County B 341 a, 775; W 598

Bismarck quadrangle (Burleigh, Emmons, Morton, and Oliver Counties) GF 181

Bowman County B 775

Burleigh County B 381 a; GF 181; W 598

Cannonball River field (Adams, Hettinger, and Grant Counties) B 541 g

Dunn County B 726 d

Emmons County GF 181

Fort Berthold Indian Reservation (Dunn, McKenzie, McLean, Mercer, and Mountrail Counties) B 381 a, 471 c, 726 d

Golden Valley County B 341 a, 775; W 598

Grant County B 541 g

Hettinger County	B 541 g, W 598
Marmarth field (Billings, Bowman, Golden Valley, and Slope Counties)	B 775
McHenry County	B 906 b
McKenzie County	B 691 g, 726 d
McLean County	B 381 a, 471 c, 906 b; W 598
Mercer County	B 726 d, 906 b
Minot region (McHenry, McLean, Mercer, Sheridan, and Ward Counties)	B 906 b
Morton County	B 726 a; GF 181; W 598
Mountrail County	B 381 a, 471 c, 691 g
Nesson anticline (McKenzie, Mountrail, and Williams Counties)	B 691 g
New Salem field (Morton County)	B 726 a
Oliver County	B 381 a; GF 181
Sentinel Butte field (Billings and Golden Valley Counties)	B 341 a
Sheridan County	B 906 b
Sioux County	B 575
Slope County	B 775
Standing Rock Indian Reservation (Sioux County)	B 575
Ward County	B 906 b; W 598
Washburn field (Burleigh, McLean, and Oliver Counties)	B 381 a
Williams County	B 531 e; 691 g
Williston field (Williams County)	B 531 e

OHIO

General	A 22 III d; P 100 b; B 65
Analyses	B 531 m, 621 p (See also reports on individual areas.)
Belmont County	B 720
Cannel coal	B 659
Coshocton County	B 659
Guernsey County	B 720
Holmes County	B 659
Huntington quadrangle (Lawrence County)	GF 69
Jackson County	B 659
Jefferson County	B 659
Kenova district (Lawrence County)	B 349; GF 184
Kenova quadrangle (Lawrence County)	GF 184
Lawrence County	B 349; GF 69, 184
Licking County	B 659
Mahoning County	B 659
Monroe County	B 720
Noble County	B 720
Peat, general	B 728
Reserves	P 100 b
Scioto County	B 659
Steubenville quadrangle (Jefferson County)	B 318
Summerfield quadrangle (Guernsey, Monroe, and Noble Counties)	B 720
Woodsfield quadrangle (Belmont, Guernsey, and Monroe Counties)	B 720

OKLAHOMA

General	A 22 III i; B 260
Analyses	B 531 m, 621 p (See also reports on individual areas.)
Atoka County	A 19 III e, 21 II e; B 874 a, b; GF 74, 79; Map
Atoka quadrangle (Atoka and Coal Counties)	GF 79
Cherokee County	GF 132
Cherokee Creek field (Muskogee, Nowata, Okmulgee, Rogers, Tulsa, and Wagoner Counties)	B 260
Choctaw field (Atoka, Coal, Haskell, Hughes, Latimer, Le Flore, McIntosh, Muskogee, Okmulgee, Pittsburg, Pontotoc, and Sequoyah Counties)	A 19 III e; 21 II e; B 260
Coal County	A 19 III e, 21 II e; B 260, 874 b; GF 74, 79; Map
Coalgate quadrangle (Atoka, Coal, and Pittsburg Counties)	GF 74
Craig County	B 340 c
Haskell County	B 260, 874 c; Map
Howe district (Haskell, Latimer, and Le Flore Counties)	B 874 d; Map
Latimer County	A 21 II e; B 260, 874 a, c, d; Map
Le Flore County	A 21 II e; B 260, 874 d; Map
Lehigh district (Atoka, Coal, and Pittsburg Counties)	A 19 III e; B 874 b; Map
McAlester district (Atoka, Latimer, and Pittsburg Counties)	A 19 III e; B 874 a; Map
McIntosh County	B 260; GF 132
Muskogee County	B 260, 340 c; GF 132
Muskogee quadrangle (Cherokee, McIntosh, Muskogee, Sequoyah, and Wagoner Counties)	GF 132
Northeastern part (Craig, Muskogee, Nowata, Okmulgee, Rogers, Tulsa, and Wagoner Counties).	B 260, 340 c
Nowata County	B 260, 340 c
Okmulgee County	B 260, 340 c
Pittsburg County	A 19 III e, 21 II e; B 260, 874 a, b, c; GF 74; Map
Quinton-Scipio district (Haskell, Latimer, and Pittsburg Counties)	B 874 c; Map
Rogers County	B 260, 340 c
Sequoyah County	A 21 II e; B 260; GF 132
Stigler-Poteau district (Haskell, Le Flore, and Pittsburg Counties)	Map
Tulsa County	B 260, 340 c
Wagoner County	B 260, 340 c; GF 132
Wilburton district (Latimer County)	B 874 d; Map

OREGON

General	A 22 III k
Analyses	B 471 j, 531 m, 541 k (See also reports on individual areas.)
Clatsop County	A 17 I c
Columbia County	A 17 I c; 590
Coos Bay district (Coos County)	A 19 III c; B 431 b, 546; GF 73
Coos Bay quadrangle (Coos County)	GF 73
Coos County	A 17 I c, 19 III c; B 431 b, 541 i, 546, 590; GF 73, 89
Curry County	B 546; GF 89
Douglas County	B 546; GF 49, 218
Eckley field (Curry County)	B 546
Eden Ridge field (Coos County)	B 541 i, 546

Jackson County	B 341 c, 546
Lane County	B 590
Lincoln County	A 17 I c
Lookingglass and Camas Valley fields (Douglas County)	B 546
Lower Nehalem field (Clatsop and Tillamook Counties)	A 17 I c
Marion County	A 17 I c; B 590
Morrow County	B 341 c
North Fork of the Umpqua River (Douglas County)	B 546
Peat, general	B 728
Port Orford quadrangle (Coos and Curry Counties)	GF 89
Riddle quadrangle (Douglas County)	GF 218
Rogue River Valley (Jackson County)	B 341 c, 546
Roseburg quadrangle (Douglas County)	GF 49
Shasta Costa Creek (Curry County)	B 546
Southwestern part (Coos, Curry, Douglas, and Jackson Counties)	B 546
Tillamook County	A 17 I c, 590
Upper Nehalem field (Columbia County)	A 17 I c
Willow Creek district (Morrow County)	B 341 c
Yamhill County	A 17 I c; B 590
Yaquina field (Lincoln County)	A 17 I c

PENNSYLVANIA

General	A 22 III d
Accident quadrangle (Fayette and Somerset Counties)	GF 160
Allegheny County	B 260, 286, 318, 456, 659, 829; GF 94, 134, 176, 177
Amity quadrangle (Greene and Washington Counties)	B 300; GF 144
Analyses	B 471 j, 531 m, 541 k, 621 p (See also reports on individual areas.)
Anthracite field, general	P 193 d; A 22 III c, d
Armstrong County	B 225, 256, 279, 454, 659; GF 115, 123, 125, 178
Barnesboro quadrangle (Cambria, Clearfield, and Indiana Counties)	B 225; GF 189
Beaver County	B 260, 286, 318, 659, 873; GF 134, 176, 177
Beaver quadrangle (Allegheny and Beaver Counties)	B 286; GF 134
Bituminous field, general	B 65, 213
Blair County	B 225; GF 133, 189, 227
Brownsville quadrangle (Allegheny, Fayette, Washington, and Westmoreland Counties)	GF 94
Burgettstown quadrangle (Allegheny, Beaver, and Washington Counties)	B 260, 318; GF 177
Butler County	B 279, 454, 659, 829, 873; GF 115, 176, 178
Butler quadrangle (Butler County)	B 873
Cambria County	B 225, 316 a, 447; GF 133, 174, 189, 224
Cannel coal	B 659
Carnegie quadrangle (Allegheny and Washington Counties)	B 456; GF 177
Center County	B 659
Claysville quadrangle (Washington County)	B 318; GF 180
Clearfield County	B 225, 285 f, 659; GF 189
Clearfield district (Clearfield County)	B 285 f
Clarion County	B 279, 316 a, 454; GF 115, 125, 178
Clarion quadrangle (Clarion County)	B 316 a; GF 178
Connellsville quadrangle (Fayette and Westmoreland Counties)	GF 94
Ebensburg quadrangle (Blair and Cambria Counties)	GF 133
Elders Ridge quadrangle (Armstrong and Indiana Counties)	B 225, 256; GF 123
Fayette County	GF 82, 94, 121, 160
Foxburg quadrangle (Armstrong, Butler, Clarion, and Venango Counties)	B 454; GF 178

Gaines quadrangle (Tioga County)	GF 92
Glen Campbell field (Indiana and Jefferson Counties)	B 285 f
Grantsville quadrangle (Somerset County)	GF 160
Greene County	B 300; GF 82, 121, 144, 146
Hollidaysburg quadrangle (Bedford and Blair Counties)	GF 227
Huntingdon County	GF 227
Huntingdon quadrangle (Blair and Huntingdon Counties)	GF 227
Indiana County	B 225, 256, 285 f, 316 a, 659; GF 102, 110, 123, 174, 189
Indiana quadrangle (Indiana County)	GF 102
Jefferson County	B 285 f
Johnstown quadrangle (Cambria, Indiana, Somerset, and Westmoreland Counties)	B 316 a, 447, GF 174
Kittanning quadrangle (Armstrong, Butler, and Clarion Counties)	B 279; GF 115
Latrobe quadrangle (Indiana and Westmoreland Counties)	GF 110
Lawrence County	B 873
Masontown quadrangle (Fayette, Greene, and Washington Counties)	GF 82
New Kensington quadrangle (Allegheny, Butler, and Westmoreland Counties)	B 829
Patton quadrangle (Blair, Cambria, and Clearfield Counties)	B 225; GF 189
Peat, general	B 728
Punxsutawney field (Indiana and Jefferson Counties)	B 285 f
Rogersville quadrangle (Greene County)	GF 146
Rural Valley quadrangle (Armstrong and Clarion Counties)	B 279; GF 125
Sewickley quadrangle (Allegheny, Beaver, and Butler Counties)	GF 176
Somerset County	B 316 a, 447; GF 160, 174, 224
Somerset quadrangle (Somerset and Westmoreland Counties)	GF 224
Steubenville quadrangle (Beaver and Washington Counties)	B 318
Tioga County	GF 92
Uniontown quadrangle (Fayette County)	GF 82
Venango County	B 454; GF 178
Warren County	GF 172
Warren quadrangle (Warren County)	GF 172
Washington County	B 260, 300, 318, 456; GF 82, 94, 121, 144, 177, 180
Waynesburg quadrangle (Greene, Fayette, and Washington Counties)	GF 121
Westmoreland County	B 316 a, 447, 659, 829; GF 94, 110, 174, 224
Wilmore Basin (Cambria County)	B 225
Windber quadrangle (Cambria and Somerset Counties)	GF 224
Wyoming County	P 210 b
Zelienople quadrangle (Beaver, Butler, and Lawrence Counties)	B 873

RHODE ISLAND

Narragansett basin (Kent, Newport, and Providence Counties)	M 33; B 541 f, 615
Peat, general	B 728

SOUTH CAROLINA

Peat, general	B 728
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SOUTH DAKOTA

Aladdin quadrangle (Butte County)	GF 128
Analyses	B 471 j, 531 m (See also reports on individual areas.)

Black Hills region (Fall River County)	B 499
Butte County	GF 128
Cheyenne River Indian Reservation (Dewey and Ziebach Counties)	B 575
Corson County	B 21, 575
Custer County	GF 108
Dewey County	B 21, 575
Edgemont quadrangle (Custer and Fall River Counties)	GF 108
Fall River County	B 499; GF 108
Great Sioux Reservation (Corson, Dewey, and Perkins Counties)	B 21
Harding County	B 627
Perkins County	B 21, 627
Standing Rock Indian Reservation (Corson County)	B 575
Ziebach County	B 575

TENNESSEE

General	A 22 III e
Analyses	B 471 j, 621 p (See also reports on individual areas.)
Anderson County	B 225; GF 33
Bledsoe County	GF 6, 21
Bon Air and Clifty coal district (Cumberland and White Counties)	B 641 k
Briceville quadrangle (Anderson, Campbell, Morgan, and Scott Counties)	GF 33
Campbell County	P 49 i; B 225, 659; GF 33, 75
Cannel coal	B 659
Chattanooga quadrangle (Bledsoe, Hamilton, Marion, Rhea, and Sequatchie Counties)	GF 6
Claiborne County	P 49 i; B 225; GF 75
Cumberland County	B 641 k; GF 4, 21, 40, 53
Cumberland Gap region (Anderson, Campbell, Claiborne, Morgan, and Scott Counties)	P 49 i; B 225
Fentress County	GF 40, 53
Franklin County	GF 8, 19
Grundy County	GF 8, 22
Hamilton County	GF 2, 6
Kingston quadrangle (Cumberland, Morgan, Rhea, and Roane Counties)	GF 4
Loudon quadrangle (Morgan County)	GF 25
Marion County	GF 2, 6, 8, 19
Maynardville quadrangle (Campbell and Claiborne Counties)	GF 75
McMinnville quadrangle (Grundy, Van Buren, and Warren Counties)	GF 22
Morgan County	B 225; GF 4, 25, 33, 40
Overton County	GF 53
Pickett County	GF 53
Pikeville quadrangle (Bledsoe, Cumberland, Rhea, Sequatchie, Van Buren, and White Counties)	GF 21
Putnam County	GF 53
Rhea County	GF 4, 6, 21
Ringgold quadrangle (Marion and Hamilton Counties)	GF 2
Roane County	GF 4

Scott County	B 225; GF 33, 40
Sequatchie County	GF 6, 8, 21
Sewanee quadrangle (Franklin, Grundy, Marion, and Sequatchie Counties)	GF 8
Standingstone quadrangle (Cumberland, Fentress, Overton, Pickett, and Putnam Counties)	GF 53
Stevenson quadrangle (Franklin and Marion Counties)	GF 19
Van Buren County	GF 21, 22
Warren County	GF 22
Wartburg quadrangle (Cumberland, Fentress, Morgan, and Scott Counties)	GF 40
White County	B 641 k; GF 21

TEXAS

General	A 22 III i
Atascosa County	W 676
Brazos field (northern part of North Texas field)	A 22 III i
Cannel coal	B 659
Colorado field (southern part of North Texas field)	A 22 III i
Dimmit County	B 164, 837
Eagle Pass field (Maverick County)	B 164
Eocene field (Dimmit, Webb, and Zavala Counties)	B 164
Frio County	W 676
Maverick County	B 164
Medina County	W 678
North Texas field	A 22 III i
Presidio County	B 164
San Carlos field (Presidio County)	B 164
Santo Tomas cannel coal field (Webb County)	B 164, 659, 691 i, 837; W 778
Uvalde County	W 678
Uvalde quadrangle (Zavala County)	GF 64
Webb County	B 164, 659, 691 i, 837; W 778
Zavala County	B 164, 837; GF 64

UNITED STATES

General	A 22 III; P 100 a; Map
Production, annual, 1882 through 1923	MR 1882 through MR 1923

UTAH

General	A 22 III j
Analyses	B 471 j, 531 m, 541 k, 621 p (See also reports on individual areas.)
Blacktail Mountain field (Duchesne and Wasatch Counties)	B 471 i
Book Cliffs field (Carbon, Emery, Grand, and Sevier Counties)	B 285 f, 316 e, 371, 852
Cannel coal	B 659
Carbon County	B 285 f, 316 e, 371, 628, 793, 819, 852; Map
Castlegate district (Carbon County)	B 793
Castle Valley (Carbon, Emery, and Sevier Counties)	B 628
Coalville field (Summit County)	B 285 f, 581 e
Colob field (Iron, Kane, and Washington Counties)	B 341 c

Daggett County	B 415
Deep Creek district (Uintah County)	B 471 i
Duchesne County	B 471 i
Emery County	B 285 f, 316 e, 371, 628, 819, 852; Map
Garfield County	P 164
Grand County	B 285 f, 316 e, 371, 541 j, 852
Harmony field (Iron and Washington Counties)	B 341 c
Henry's Fork field (Daggett County)	B 415
Iron County	B 316 e, 341 c; W 993
Kaiparowits region (Garfield and Kane Counties)	P 164
Kanab field (Kane County)	B 341 c
Kane County	P 164; B 341 c, 659
Lost Creek field (Morgan County)	B 691
Mesa Verde field (Carbon and Emery Counties)	Map
Morgan County	B 691
Mt. Pleasant coal field (Sanpete County)	Map
Northeastern part (Daggett and Uintah Counties)	B 415
Pleasant Valley district (Carbon and Emery Counties)	B 316 e
Salina Canyon district (Sevier County)	B 796 c
San Juan County	P 188
Sanpete County	B 285 f, 541 j, 819; Map
Sevier County	B 285 f, 316 e, 371, 628, 796 c, 819, 852
Summit County	B 285 f, 581 e
Sunnyside district (Carbon County)	B 793
Tabby Mountain field (Duchesne and Wasatch Counties)	B 471 i
Thompson district (Grand County)	B 541 j
Uintah County	B 415, 471 i
Vernal field (Uintah County)	B 415, 471 i
Wales district (Sanpete County)	B 285 f, 541 j
Wasatch County	B 471 i
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Santa Clara district B 962 a

PHILIPPINE ISLANDS

General MR 1905 b

GENERAL

All technologic work on coal was transferred from the Geological Survey to the Bureau of Mines in 1910, and all statistical work on coal was transferred to the Bureau of Mines in 1924. The bibliography of Bureau of Mines publications should be consulted for technologic and statistical information published since those dates.

ANALYSES, STATISTICS, AND TECHNOLOGY

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Bibliography (Superseded by present publications)	MR 1907 II b, 1908 II a, 1909 II a, 1910 II a
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Washing tests	P 48 III; B 336, 368

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Bayonne:
Free Public
Camden:
Camden Free Public
Convent Station:
College of St. Elizabeth
Elizabeth:
Public
Jersey City:
Free Public
Madison:
Drew University
Newark:
Public
New Brunswick:
Free Public
Rutgers University
Princeton:
Princeton University
South Orange:
Seton Hall College
Trenton:
New Jersey Department of Conservation
and Economic Development
Free Public
New Jersey State

New Mexico:

Albuquerque:
University of New Mexico
Las Vegas:
New Mexico Highlands University
Santa Fe:
New Mexico
State Law
Silver City:
New Mexico State Teachers
College
Socorro:
School of Mines
State College:
New Mexico College of Agriculture
and Mechanical Arts

New York:

Albany:
New York State
New York State Museum
Office of State Engineer
and Surveyor
Brooklyn:
Brooklyn College
Pratt Institute
Public
St. Johns University
Buffalo:
Buffalo Museum of Science
Grosvenor
Public
University of Buffalo
Canton:
St. Lawrence University
Farmingdale:
State Institute of Applied
Agriculture
Flushing:
Queens College
Glens Falls:
Crandall Free
Hamilton:
Colgate University
Ithaca:
Cornell University
Jamaica:
Queens Borough Public
New Brighton:
Staten Island Institute of Arts
and Sciences
Newburgh:
Newburgh Free
New York City:
American Geographical Society
American Institute of Mining and
Metallurgical Engineers
American Museum of Natural
History
Barnard College
Bergens Museum
Chemists Club
College of the City of New York
Columbia University
Cooper Union
Engineering and Mining Journal

New York--Continued.

Fordham University
Hunter College
H. W. Wilson Co.
New York Academy of Sciences
at American Museum
New York Botanical Garden
New York Law Institute
New York State Maritime College
New York University
Public
Public (Astor Branch)
Public (Lenox Branch)
Potsdam:
Clarkson College of Technology
Poughkeepsie:
Vassar College
Rochester:
Rochester Academy of Science
Rochester University
St. Bonaventure:
St. Bonaventure College
Schenectady:
Union College
Syracuse:
Syracuse University
Troy:
Public
Rensselaer Polytechnical Institute
Utica:
Public
West Point:
U. S. Military Academy
Yonkers:
Public

North Carolina:

Ashville:
Sondley Reference
Chapel Hill:
E. Mitchell Scientific Society
University of North Carolina
Charlotte:
Queens College
Davidson:
Davidson College
Durham:
Duke University
Greensboro:
Agricultural and Technical
College
Raleigh:
North Carolina Division of Mineral
Resources
North Carolina State
North Carolina State College
Salisbury:
Catawba College
Wake Forest:
Wake Forest College
Washington:
Public Schools
Wilson:
Atlantic Christian College
Wingate:
Wingate Junior College
Winston-Salem:
Salem College

North Dakota:

Bismarck:
State Historical Society
State Law
Fargo:
North Dakota Agricultural
College
Grand Forks:
North Dakota Geological Survey
University of North Dakota
Minot:
State Teachers College
Valley City:
State Teachers College

Ohio:

Akron:
University of Akron
Alliance:
Mount Union College
Ashland:
Ashland College
Athens:
Ohio University
Bowling Green:
Bowling Green State University
Bucyrus:
Public
Chillicothe:
Public
Cincinnati:
Public
University of Cincinnati
Cleveland:
Adelbert College, Western
Reserve University
Case
Public
Columbus:
American Ceramic Society
Geological Survey of Ohio
Ohio State
Public
State Board of Agriculture
Ohio State University
Dayton:
Public
University of Dayton
Delaware:
Ohio Wesleyan University
Gambier:
Kenyon College
Granville:
Denison University
Hiram:
Hiram College
Kent:
Kent State University
Marietta:
Marietta College
Oberlin:
Oberlin College
Oxford:
Miami University
Portsmouth:
Free Public
Sidney:
Public

Ohio--Continued.

Springfield:
Warder Public
Steubenville:
Public
Toledo:
Public
Van Wert:
Brumback
Wooster:
College of Wooster
Yellow Springs:
Antioch College
Youngstown:
Public

Oklahoma:

Ada:
East Central State Teachers
College
Alva:
Northwestern State Teachers
College
Bartlesville:
U. S. Bureau of Mines
Durant:
Southeastern Teachers College
Edmond:
Central State College
Enid:
Carnegie Public
Norman:
University of Oklahoma
Oklahoma City:
Oklahoma State
Shawnee:
Oklahoma Baptist University
Stillwater:
Oklahoma Agricultural and
Mechanical College
Tahlequah:
Northeastern State Teachers
College
Tulsa:
University of Tulsa

Oregon:

Corvallis:
Oregon State College
Eugene:
University of Oregon
Forest Grove:
Pacific University
Portland:
Library Association of Portland
Mazamas
Reed College
State Department of Geology and
Mineral Industries
University of Portland
Salem:
Oregon State

Pennsylvania:

Allentown:
Muhlenberg College

Pennsylvania--Continued.

Bethlehem:
Lehigh University
Bradford:
Carnegie Public
Bryn Mawr:
Bryn Mawr College
Carlisle:
Dickinson College
Erie:
Public
Harrisburg:
Pennsylvania State
Pennsylvania Bureau of Topographic
and Geologic Survey
Haverford:
Haverford College
Huntingdon:
Juniata College
Johnstown:
Cambria Free
Lancaster:
Franklin and Marshall College
Meadville:
Allegheny College
Media:
Delaware County Institute of Science
Philadelphia:
Academy of Natural Sciences
American Philosophical Society
Franklin Institute
Free Library of Philadelphia
Philadelphia Commercial Museum
Temple University
University of Pennsylvania
Wagner Free Institute of Science
Pittsburgh:
U. S. Bureau of Mines
Carnegie Institute of Technology
Carnegie Free Library of Allegheny
County
Carnegie Museum
Engineers' Society of Western
Pennsylvania
University of Pittsburgh
Reading:
Public
Scranton:
Public
Somerset:
Public
State College:
Pennsylvania State College
Swarthmore:
Swarthmore College
Warren:
Warren Library Association
Washington:
Washington and Jefferson
College
Wilkes-Barre:
Kings College
Wyoming Historical and Geological
Society
Williamsport:
James V. Brown

Puerto Rico:

Mayaguez:
University of Puerto Rico College
of Agriculture and Mechanical Arts
Rio Piedras:
University of Puerto Rico

Rhode Island:

Kingston:
Rhode Island State College
Providence:
Athenaeum
Brown University
Public
Rhode Island State
Westerly:
Public

South Carolina:

Charleston:
College of Charleston
Clemson:
Clemson College
Columbia:
South Carolina Geological
Survey
South Carolina State
University of South Carolina
Rock Hill:
Winthrop College

South Dakota:

Brookings:
South Dakota State College
Mitchell:
Dakota Wesleyan University
Pierre:
South Dakota Free
Rapid City:
State School of Mines
Sioux Falls:
Carnegie Free Public
Spearfish:
Black Hills Teachers College
Vermillion:
South Dakota Geological Survey
University of South Dakota
Yankton:
Yankton College

Tennessee:

Chattanooga:
Public
University of Chattanooga
Clarksville:
Austin Peay State College
Johnson City:
East Tennessee State College
Knoxville:
University of Tennessee
Memphis:
Cossitt
Murfreesboro:
State Teachers College

Tennessee--Continued.

Nashville:
Carnegie
Tennessee Division of Geology
Tennessee State
Joint University Libraries
Sewanee:
University of the South

Texas:

Abilene:
Hardin-Simmons University
Alpine:
Sul Ross State Teachers College
Austin:
U. S. Geological Survey Field Office
Texas State
University of Texas
Brownwood:
Howard Payne College
Bryan:
Agricultural and Mechanical College
of Texas
Texas Academy of Science
Canyon:
West Texas State Teachers College
Commerce:
East Texas State Teachers College
Dallas:
Public
Southern Methodist University
Denton:
North Texas State Teachers College
El Paso:
Public
Texas Western College
Fort Worth:
Public
Texas Christian University
Galveston:
Rosenberg
Georgetown:
Southwestern University
Houston:
Public
Huntsville:
Sam Houston Teachers College
Kingsville:
Texas College of Arts and
Industries
Lubbock:
Texas Technological College
Marshall:
Bishop College
San Antonio:
Carnegie
Waco:
Baylor University

Utah:

Ephraim:
Snow College
Logan:
Utah State Agricultural College
Ogden:
Carnegie Free

Utah--Continued.

Provo:
Brigham Young University
Salt Lake City:
Distribution Office, U. S. Geological
Survey
Division of Mineral Statistics, U. S.
Bureau of Mines
Public
University of Utah
Utah State

Vermont:

Burlington:
University of Vermont
Middlebury:
Middlebury College
Montpelier:
Vermont State
Northfield:
Norwich University

Virginia:

Blacksburg:
Virginia Polytechnic Institute
Bridgewater:
Bridgewater College
Charlottesville:
University of Virginia
Virginia Geological Survey
Emory:
Emory and Henry College
Fredericksburg:
Mary Washington College
Hampden Sydney:
Hampden Sydney College
Lexington:
Virginia Military Institute
Washington and Lee University
Norfolk:
Norfolk Public
Petersburg:
Virginia State College
Richmond:
University of Richmond
Virginia State
Salem:
Roanoke College
Williamsburg:
William and Mary College

Washington:

Everett:
Public
Olympia:
Washington Division of Mines and
Geology
Washington State
Pullman:
State College of Washington
Seattle:
Public
University of Washington
Spokane:
Public
U. S. Geological Survey

Washington--Continued.

Tacoma:
College of Puget Sound
Public
Walla Walla:
Whitman College

West Virginia:

Athens:
Concord College
Charleston:
West Virginia State
Elkins:
Davis and Elkins College
Fairmont:
Fairmont State Teachers
Huntington:
Marshall College
Institute:
West Virginia State College
Morgantown:
West Virginia Geological and
Economic Survey
West Virginia University
Salem:
Salem College

Wisconsin:

Appleton:
Lawrence College
Beloit:
Beloit College
Fond Du Lac:
Public
La Crosse:
Public
Madison:
State Geological and Natural History
Survey
State Historical Society
University of Wisconsin
Wisconsin State
Milwaukee:
Public
Public Museum
Platteville:
Wisconsin Institute of Technology
Racine:
Public
Superior:
Public
Superior State Teachers College

Wyoming:

Casper:
Natrona County Public
Cheyenne:
Wyoming State
Laramie:
University of Wyoming