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WILLIAM CRAVEN CULBERTSON
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NOTES, CORRESPONDENCE, PAPERS

1949 - 1981

(9.4 linear ft. and 13 map folders)

INVENTORY

By

Carol A. Edwards and Clay M. Martin
U.S. Geological Survey Field Records Collection
MS 914, Box 25046, Federal Center
Denver, CO 80225-0046
September 2003/October 2010

Location of Field Notebooks: CS-7: 4-8

LIGNITE DEPOSITS WEST OF THE YELLOWSTONE RIVER, DAWSON AND RICHLAND COUNTIES, MONTANA. 1949-1952.

<u>Item Number</u>	<u>Description</u>
NO-08812	<p>Expandable envelope with nine folders:</p> <ul style="list-style-type: none">- Folder 1. Field notebook pages with geologic, stratigraphic, and traverse notes, auger hole logs, notes on coal levels in water wells, and 17 coal sections related to field investigations in the Breezy Flats area, Richland County, Montana. 1951.- Folder 2. Materials related to the Thirteen Mile Creek deposit, including field notebook pages with geologic, stratigraphic, and plane table notes, auger hole notes, shot hole logs, coal sections, notes on coal levels in water wells, sketch maps, and one page of typed notes.- Folder 3. Field notebook pages with auger hole logs and geologic and traverse notes related to field investigations in the Fox Lake area, Richland County, Montana. 1951.- Folder 4. Altimeter traverse notes, Wibaux area, Wibaux County, Montana.- Folder 5. Shot hole drill reports, Glendive, area, Dawson County, Montana.- Folder 6. Field notebook pages with geologic and stratigraphic notes, notes on coal levels in water wells, and coal thicknesses at miscellaneous deposits.- Folder 7. Field notebook pages with geologic notes related to field investigations in the Richey-Lambert, Stipek, and other areas- Folder 8. Copies of coal analysis reports by the U.S. Bureau of Mines.- Folder 9. Brief notes on the geography of the study area; cross-section from Richey east to Yellowstone River; notes on stripping ratios; lignite reserve data for the Retah Table deposit; and correspondence from power companies regarding availability of electric power in areas of strippable coal.
NO-08813	<p>Two document boxes with 18 folders containing a total of 530 black and white aerial photographs, some with annotations. All photos are dated 1949.</p> <ul style="list-style-type: none">- Folder 1. AZK-1F: 45-64, 67-85.- Folder 2. AZK-1F: 145-161, 165-173.- Folder 3. AZK-2F: 68-98, 117-128, 165-176.- Folder 4. AZK-3F: 3-14, 15-16 (2 each), 17-22, 94-99, 100 (2 copies), 101-113, 117-129, 130 (2 copies), 131-136.- Folder 5. AZK-4F: 78, 159-163, 176-178.- Folder 6. AZK-5F: 34, 50-52, 90-94, 114-117, 133-135.- Folder 7. AZK-6F: 97-110.- Folder 8. AZK-7F: 7.- Folder 9. AZK-8F: 62-68 (2 each), 681.- Folder 10. AZM-1F: 2-10, 38-49, 86-104, 115-121.- Folder 11. AZM-1F: 129-161, 187-204.- Folder 12. AZM-2F: 2-17.- Folder 13. AZM-4F: 184-191.

- Folder 14. AZM-6F: 122-128, 139-147, 184-190.
- Folder 15. AZM-7F: 10-18, 22-30, 50-59, 67-76.
- Folder 16. AZM-7F: 96-104, 108-116, 137-145, 156-166, 183-184, 186, 188-191, 194-202.
- Folder 17. AZM-8F: 127-128.
- Folder 18. AZM-9F: 19-29.

Published as: U.S. Geological Survey. Bulletin 995-H. 1954.

GEOLOGY AND COAL RESERVES OF THE PENNSYLVANIAN ROCKS OF ALABAMA. 1953-1957.

- NO-01085 Two expandable envelopes with six folders of drill hole data related to coal investigations in the Bankston, Cordova, Glen Allen, Jasper, Manchester, Nauvoo, Oakman, Parrish, and Sunlight 7.5' quadrangles, Alabama. 1956-1957.
- NO-01086 Document box with four folders of drill hole data related to coal investigations in the Cold Springs, Creel, Port Birmingham, Sipsey, Townley, Tutwiler School, and Wiley 7.5' quadrangles, Alabama. 1955-1956.
- NO-01087 Expandable envelope with four folders of drill hole data related to coal investigations in the Bessemer Iron District, Birmingham Coal District, Port Birmingham, and Yolande 15' quadrangles, Alabama. 1955.
- NO-01088 Expandable envelope with eight folders:
- Folder 1. Notes, correspondence, sketches, and other data related to field investigation of the Cahaba Coal Field, Bibb County, Alabama. 1953-1955.
 - Folder 2. Drill hole records related to coal exploration in Cullman County and vicinity, Alabama.
 - Folder 3. Drill hole records related to coal exploration in Cherokee and DeKalb Counties, Alabama.
 - Folder 4. Drill hole records related to coal exploration in Fayette County and vicinity, Alabama.
 - Folder 5. Drill hole records related to coal exploration in Jefferson County and vicinity, Alabama.
 - Folder 6. Drill hole records related to coal exploration in Marion County and vicinity, Alabama.
 - Folder 7. Drill hole records related to coal exploration in Tuscaloosa County and vicinity, Alabama.
 - Folder 8. Drill hole records and miscellaneous data related to coal exploration in Fayette County and vicinity, Alabama.
- NO-01089 Document box with three folders:
- Folder 1. Coal reserve calculations for the America coal bed, Jefferson, Tuscaloosa, and Walker Counties, Alabama.

- Folder 2. Coal reserve calculations for the Black Creek coal bed, Blount, Cullman, Fayette, Jefferson, Tuscaloosa, Walker, and Winston Counties, Alabama.
- Folder 3. Coal reserve calculations for the Brookwood and Milldale coal beds, Tuscaloosa County, Alabama.

NO-01090 Expandable envelope with five folders:

- Folder 1. Coal reserve calculations for the Cahaba coal bed, Bibb, Jefferson, Saint Clair, and Shelby Counties, Alabama.
- Folder 2. Coal reserve calculations for the Clements coal bed, Jefferson and Tuscaloosa Counties, Alabama.
- Folder 3. Coal reserve calculations for the Cobb coal bed, Jefferson, Tuscaloosa, and Walker Counties, Alabama.
- Folder 4. Coal reserve calculations for the Fire Clay coal bed, Jefferson and Walker Counties, Alabama.
- Folder 5. Coal reserve calculations for the Gwin coal bed, Jefferson and Tuscaloosa Counties, Alabama.

NO-01091 Document box with three folders of coal reserve calculations for the Mary Lee coal bed, Fayette, Jefferson, Tuscaloosa, and Walker Counties, Alabama.

NO-01092 Expandable envelope with four folders:

- Folder 1. Coal reserve calculations for the Jefferson coal bed, Fayette, Jefferson, Marion, Walker, and Winston Counties, Alabama.
- Folder 2. Coal reserve calculations for the Johnson (Carter) coal bed, Tuscaloosa County, Alabama.
- Folder 3. Coal reserve calculations for the North River Basin-Pratt coal bed, Fayette, Jefferson, Tuscaloosa, and Walker Counties, Alabama.
- Folder 4. Coal reserve calculations for the Pratt (Corona) coal bed, Fayette, Jefferson, Tuscaloosa, and Walker Counties, Alabama.

NO-01093 Expandable envelope with three folders:

- Folder 1. Compositional analysis data for coal samples from Bibb, Blount, DeKalb, Fayette, Jefferson, Marion, Shelby, St. Clair, Tuscaloosa, Walker, and Winston Counties, Alabama.
- Folder 2. Group of 3 x 5-inch index cards with reference information related to Alabama coal resources.
- Folder 3. Compositional analysis data for coal samples from the Mary Lee coal bed, Walker County, Alabama.

NO-01094 Envelope with:

- Coal reserve data and reserve calculation sheets for the Cahaba, Coosa, and Plateau Coal Fields.
- Summary table of coal reserves in Alabama.
- Table with estimates of additional coal reserves in Alabama as of 1962.
- Two copies of a table with estimates of remaining coal reserves in the Plateau

Coal Field, Alabama as of 1957.

- NO-01095 Archival box with strip logs for core samples and drill holes in the Bankston, Glen Allen, Jasper, Nauvoo, Oakman, and Parrish 7.5' quadrangles and the Bessemer Iron District, Birmingham Coal District, and Montevallo 15' quadrangles, Alabama. Also included are miscellaneous Carter Oil Company strip logs. Note: NO-01095 and NO-10196 are stored in separate sections of the same document box.
- NO-01096 Archival box with strip logs for core samples and drill holes in the Sipse, Townley, Tutwiler School, and Wiley 7.5' quadrangles and the Port Birmingham, Searles, and Yolande 15' quadrangles, Alabama. Also included are strip logs from the Lookout Mountain area, Cherokee and DeKalb Counties, Alabama. Note: NO-01095 and NO-10196 are stored in separate portions of the same document box.
- NO-11855 W.C. Culbertson and J.J. Yanchosek. Field notebook with geologic notes and sketches related to investigation of the Blount Springs and Village Springs (Trafford) 7.5' quadrangles, Alabama. Several photographs are attached. 1957.
- NO-11856 W.C. Culbertson. Field notebook with geologic notes and sketches related to field investigation of the Kellerman area, Warrior Coal Basin, Alabama. Several photographs are attached. 1956.
- NO-11857 W.C. Culbertson, J.J. Yanchosek, and D.W. Lane. Field notebook with geologic notes and sketches related to field investigation of the Warrior 7.5' quadrangle, Alabama. Several photographs are attached. 1957.
- NO-11858 W.C. Culbertson and J.J. Yanchosek. Field notebook with geologic notes and sketches related to field investigation of the Warrior 7.5' quadrangle and the Birmingham Coal District 15' quadrangle, Alabama. Several photographs are attached. 1957.
- NO-11859 W.C. Culbertson and J.J. Yanchosek. Expandable envelope with notebook pages with core notes for Southern Natural Gas Phelan Shephard well No. 1, Tuscaloosa County, Alabama. 1956.
- NO-11860 W.C. Culbertson and J.J. Yanchosek. Field notebook with miscellaneous geologic notes related to field investigation of Alabama coal resources. 1954-1958.
- NO-11861 Expandable envelope with three folders:
- Folder 1. W.C. Culbertson. Field notebook pages with geologic notes and sketches related to field investigation of the Warrior 7.5' quadrangle, Alabama. Several photographs are attached. 1957-1963.
 - Folder 2. W.C. Culbertson. Field notebook pages with geologic notes and sketches and traverse data related to field investigation of the Warrior 7.5' quadrangle, Alabama. 1963.

- Folder 3. W.C. Culbertson. Field notebook pages with geologic notes and sketches and measured section and altimeter data related to field investigation of the Warrior 7.5' quadrangle, Alabama. 1957.

- NO-11862 Archival box with:
- Two groups of strip logs with measured section data for the Warrior 7.5' quadrangle and vicinity, Alabama.
 - Group of rolled log sheets labeled "Graphic logs of APC coal holes in T. 16 S. Rs. 7 & 8 W., Warrior Co, Ala. America coal bed". Note: there is no Warrior County, Alabama, so this reference may be intended to read "Warrior coal", "Warrior quadrangle", or "Jefferson County".
 - Two boxes with a total of 43 microscopic thin section slides from core samples taken in the #1 Shephard well, Sec. 35, T. 17 S., R. 9 W., Tuscaloosa County, Alabama.
- NO-11863 Expandable envelope with three folders:
- Folder 1. Miscellaneous geologic data on Alabama coal beds, including depositional environment, fossils, channels, and age.
 - Folder 2. Coal data collected from Alabama Power Company in the Cahaba Coal Field, including well logs, lithologic sampling data, and columnar section tables. Circa 1957.
 - Folder 3. Drill hole and other coal data related to field investigation in the Warrior 7.5' quadrangle, Alabama.
- NO-11864 Expandable envelope with three folders:
- Folder 1. Notes and research material related to the age and correlation of Pennsylvanian rocks in Alabama.
 - Folder 2. Notes and research material related to correlation of Lower Pennsylvanian rocks in northeast Alabama, northwest Georgia, and southern Tennessee.
 - Folder 3. Notes, research materials, and photographs related to investigations of coal splits and minor coal beds in Alabama.
- NO-11865 Expandable envelope with two folders:
- Folder 1. Group of notes, research materials, and stratigraphic section diagrams related to evaluation of Alabama coal resources by quadrangle.
 - Folder 2. Notebook with core data, notes, and photographs for the #1 Phelan Shephard and other drill holes, Sec. 35, T. 17 S., R. 9 W., Tuscaloosa County, Alabama.
- NO-11866 Expandable envelope with three folders:
- Folder 1. Group of coal analysis reports and other data related to the #1 Phelan Shephard and other drill holes, Sec. 35, T. 17 S., R. 9 W., Tuscaloosa County, Alabama. Also included is a group of core sample descriptions from holes in the Montevallo quadrangle, Alabama, and a copy of the Montevallo

15' quadrangle, Bibb, Chilton, and Shelby Counties, Alabama, with drill hole locations noted.

- Folder 2. Miscellaneous maps used in evaluation of coal resources in the Warrior 7.5' quadrangles, Alabama, including mine maps, drill hole location maps, geologic maps, and three copies of the Warrior 7.5' quadrangle, Alabama, with annotations. Also included are 13 pages of related notes.
- Folder 3. Approximately 50 black and white aerial photographs covering the Warrior 7.5' quadrangle, Alabama, most with annotations. Photos dated 1951.

MA-00255 Map folder with 58 items:

- Nine maps showing coal data for the America, Blue Creek, Jagger, Lower Cobb, Lower Fire Clay, Mary Lee No. 1, Mary Lee No. 2, Pratt, and Upper Fire Clay beds in T. 18 S., R. 4 W., northwestern Bessemer Iron District 15' quadrangle, Alabama.
- Map with coal data for the America bed, Tps. 16, 17, 18, and 19 S., Rs. 7, 8, 9, and 10 W., Fayette, Tuscaloosa, and Walker Counties, Alabama.
- Map with coal data for the Mary Lee bed in the Bankston area, Fayette, Tuscaloosa, and Walker Counties, Alabama.
- Six maps with coal data for the Gould, Helena, Lower Thompsons, Nunnally, Wadsworth, and Youngblood beds in the Vandiver area, Jefferson and Shelby Counties, Alabama.
- Five maps showing coal data for the Black Creek, Mary Lee, Mary Lee No. 3, Newcastle, and Pratt beds in the Birmingham Coal District SE 7.5' quadrangle, Alabama.
- Six maps showing coal data for the America, Black Creek, Fire Clay, Lower Mary Lee, Mary Lee, and Pratt beds in the Birmingham Coal District SW 7.5' quadrangle, Alabama.
- Eight maps showing coal data for the America, Black Creek, Fire Clay, Jefferson, Lower Mary Lee, Mary Lee, New Castle, and Pratt beds in the Birmingham Coal District NE 7.5' quadrangle, Alabama.
- Eight maps showing coal data for the America, Black Creek, Fire Clay, Jefferson, Lower Mary Lee, Mary Lee, Pratt, and Ream beds in the Birmingham Coal District NW 7.5' quadrangle, Alabama.
- Three maps with coal data for the Thompson, Woodstock, and Youngblood beds in the Blocton area, Bibb County, Alabama.
- Two sheets with enlarged reproductions of portions of the Birmingham Coal District NW 7.5' quadrangle, Alabama, with annotations.
- Sheet with enlarged reproduction of a portion of the Blocton NW 7.5' quadrangle, Alabama, with annotations.
- Two sheets with enlarged reproductions of portions of the Birmingham Coal District NE 7.5' quadrangle, Alabama, with annotations.
- Sheet with enlarged reproduction of a portion of the Birmingham Coal District SW 7.5' quadrangle, Alabama, with annotations.
- Sheet with enlarged reproduction of a portion of the Birmingham Coal District SE 7.5' quadrangle, Alabama, with annotations.
- Sheet with enlarged reproduction of a portion of the Bessemer Iron District

NW 7.5' quadrangle, Alabama, with annotations.

- Two copies of the Blocton 15' quadrangle, Alabama, with annotations.
- Copy of the Arkadelphia 7.5' quadrangle, Alabama, with annotations.

MA-00256 Map folder with 45 items:

- Two copies of the Cold Springs 7.5' quadrangle, Alabama, with annotations.
- Three copies of the Cordova 7.5' quadrangle, Alabama, with annotations.
- Copy of the Creel 7.5' quadrangle, Alabama, with annotations.
- Four copies of the Jasper 7.5' quadrangle, Alabama, with annotations.
- Three copies of the Manchester 7.5' quadrangle, Alabama, with annotations.
- Copy of the Leeds 15' quadrangle, Alabama, with annotations.
- Tracing-paper overlay for the Hanceville 7.5' quadrangle, Alabama, showing coal data for the Black Creek bed in the Bremen area.
- Tracing-paper overlay for the Glen Allen 7.5' quadrangle, Alabama, showing coal data for the Jefferson bed in the Brilliant area.
- Tracing-paper overlay for the Cottondale NW 7.5' quadrangle, Alabama, showing coal data for the Brookwood bed.
- Tracing-paper overlay for the Cottondale NW 7.5' quadrangle, Alabama, showing coal data for the Johnson bed.
- Tracing-paper overlay for the Lees NW 7.5' quadrangle, Alabama, showing coal data for the Black Creek bed.
- Tracing-paper overlay for the southern part of the Lynn 7.5' quadrangle, Alabama, showing coal data for the Jefferson bed.
- Tracing-paper overlay for the Lynn area, Haleyville 15' quadrangle, Alabama, showing coal data for the Jefferson bed.
- Map with data for the Jefferson coal bed in the Brilliant area, Alabama.
- Five maps showing coal data for the Blue Creek, Corona, Jagger, Jefferson, and Mary Lee beds in the Carbon Hill 7.5' quadrangle, Alabama.
- Three maps showing coal data for the Clark (Little Pittsburg), Harkness, and Helena beds in the Leeds 15' quadrangle, Alabama.
- Four maps showing coal data for the Brookwood, Clements, Johnson, and Milldale, beds in the Cottondale NE 7.5' quadrangle, Alabama.
- Eight maps showing coal data for the Atkins, Clark, Gholson, Helena, Montevallo, Pump, Thompson, and Youngblood beds in the Montevallo 15' quadrangle, Alabama.
- Two sheets with enlarged reproductions of the northeast and northwest part of the Cottondale 15' quadrangle, Alabama, with annotations.
- Map with coal data for the Corona bed in eastern Fayette and western Walker Counties, Alabama.

MA-00257 Map folder with 63 items:

- Five copies of the Nauvoo 7.5' quadrangle, Alabama, with annotations.
- Three copies of the Oakman 7.5' quadrangle, Alabama, with annotations.
- Copy of the Townley 7.5' quadrangle, Alabama, with annotations.
- Six copies of the Parrish 7.5' quadrangle, Alabama, with annotations.
- Three copies of the Sipsey 7.5' quadrangle, Alabama, with annotations.

- Two copies of the Sunlight 7.5' quadrangle, Alabama, with annotations.
- Copy of the Corona 15' quadrangle, Alabama, with annotations.
- Copy of the Searles 15' quadrangle, Alabama, with annotations.
- Two sketch maps of the North River Coal Field, Alabama.
- Nine maps with miscellaneous coal data for the Port Birmingham SE 7.5' quadrangle, Alabama.
- Seven maps with miscellaneous coal data for the Port Birmingham SW 7.5' quadrangle, Alabama.
- Five maps with miscellaneous coal data for the Port Birmingham NE 7.5' quadrangle, Alabama.
- Six maps with miscellaneous coal data for the Port Birmingham NW 7.5' quadrangle, Alabama.
- Four maps with coal data for the Searles NE 7.5' quadrangle, Alabama.
- Four maps with coal data for the Searles SE 7.5' quadrangle, Alabama.
- Map with miscellaneous coal data for the Samantha and Searles 15' quadrangles, Alabama.
- Map with miscellaneous coal data for the Searles and Yolande 15' quadrangles, Alabama.
- Two sketch maps of the Yellow Creek area, Searles 15' quadrangle, Alabama.

MA-00258 Map folder with 52 items:

- Five copies of the Townley 7.5' quadrangle, Alabama, with annotations.
- Five copies of the Tutwiler School 7.5' quadrangle, Alabama, with annotations.
- Two copies of the Warrior 7.5' quadrangle, Alabama, with annotations.
- Four copies of the Wiley 7.5' quadrangle, Alabama, with annotations.
- Nine maps with coal data for the Yolande SW 7.5' quadrangle, Alabama.
- Five maps with coal data for the Yolande SE 7.5' quadrangle, Alabama.
- Eleven maps with coal data for the Yolande NE 7.5' quadrangle, Alabama.
- Eight maps with coal data for the Yolande NW 7.5' quadrangle, Alabama.
- Map with coal data for the Warrior 7.5' quadrangle, Alabama.
- Map with coal data for the Village Springs 7.5' quadrangle, Alabama.
- Maps with coal data for the Wiley-Cordova area, Alabama.

MA-00259 Map folder with group of 28 sheets of coal company exploration data for northern Alabama, including coal sections and reserve, analytical, and other data.

MA-00260 Map folder with 18 items:

- Map showing coal mines and outcrops in Jackson County, Alabama.
- Map showing coal measures in Franklin, Marion, and western Winston Counties, Alabama.
- Map of the Plateau coal region, Alabama.
- Two isopleth maps based on Carter Oil Company electric logs.
- Map of the Warrior Coal Field, Alabama.
- Map showing coking coals of the Warrior Coal Field, Alabama.
- Map of the Warrior Coal Basin, Alabama, with columnar sections of

workable coals. 1898.

- Map of T. 16 S., Rs. 2 and 3 W., showing Sloss-Sheffield Steel and Iron Company exploratory drill holes.
- Seven township maps of northern Alabama, showing coal data.
- Map of Crockard coal area, T. 17 S., R. 5 W.
- Map of an unidentified underground coal mine.

MA-01421 Map folder with 57 sheets of coal sample analysis and reserve data for the Cahaba, Coosa, and Plateau Coal Fields, Alabama..

MA-01338 Map folder with 46 items:

- One copy, each, of the Cottondale, Port Birmingham, and Yolande 15' quadrangles, Alabama. with annotations.
- Fourteen sheets with coal section diagrams for the Woodward area, Iron County, Alabama.
- Sheet with coal section diagrams for properties owned by the Black Diamond Coal Company.
- Twenty-eight sheets with coal section diagrams for properties owned by the Alabama Power Company.

MA-03050 Map folder with 37 items:

- Five coal outcrop maps for the Cordova, Jasper, Port Birmingham, Sipsey, and Townley areas, Alabama. 1953-1955.
- Index to coal company maps of northern Alabama.
- Two copies of a structure contour map of the Black Creek coal bed.
- Coal exploration drill hole map for northern Alabama.
- Six sheets with Warrior Coal Field production statistics by county between 1893 and 1952.
- Map of U.S. Pipe and Foundry's Flattop Mine.
- Map with data for the Mary Lee coal bed, Coal Creek area, Alabama.
- Map showing coal outcrops in the in the Blocton area, Bibb County, Alabama.
- Two maps of coal seams in the Warrior and Cahaba Coal Fields, Alabama.
- Seventeen sheets with coal data by township, northern Alabama.

MA-03051 Map folder with six items:

- Three copies of the Warrior 7.5' quadrangle, Alabama, with annotations.
- Two diagrams showing correlation of coal beds of the Black Creek and Mary Lee coal groups in the Warrior 7.5' quadrangle, Alabama.
- Partial copy of the Gardendale 7.5' quadrangle, Alabama, with annotations.

Published as: U.S. Geological Survey. Bulletin 1182-B. 1964.

GEOLOGIC MAP AND COAL SECTIONS OF THE WYARNO, BUFFALO RUN, SR SPRINGS, AND JONES DRAW 7.5' QUADRANGLES, SHERIDAN COUNTY, WYOMING. 1973-1975.

- NO-11867 W.C. Culbertson and M.C. Klett. Field notebook with geologic, measured section, and sample notes related to field investigation of the Jones Draw 7.5' quadrangle, Wyoming. Several photographs are attached. 1974.
- NO-11868 W.C. Culbertson and M.C. Klett. Field notebook with geologic, measured section, and sample notes related to field investigation of the SR Springs 7.5' quadrangle, Wyoming. Several photographs are attached. 1974.
- NO-11869 W.C. Culbertson. Field notebook with geologic, measured section, and sample notes related to field investigation of the Wyarno 7.5' quadrangle, Wyoming. Several photographs are attached. 1974.
- NO-11870 Envelope with three groups of coal measures tabulations for the Jones Draw, SR Springs, and Wyarno 7.5' quadrangles, Wyoming, and two sheets of coal bed data for the Jones Draw and SR Springs 7.5' quadrangles, Wyoming.
- NO-11871 Archival box with three groups of strip sections related to field investigation of the Jones Draw, SR Springs, and Wyarno 7.5' quadrangles, Wyoming.
- MA-03052 Map folder with 22 items:
- Two copies of the Jones Draw 7.5' quadrangle, Wyoming, with annotations.
 - Four copies of the SR Springs 7.5' quadrangle, Wyoming, with annotations.
 - One copy and one partial copy of the Wyarno 7.5' quadrangle, Wyoming, with annotations.
 - Copy of the Buffalo Run 7.5' quadrangle, Wyoming, with annotations.
 - Copy of the Jones Draw 7.5' quadrangle, Wyoming, reproduced on drafting film and sectioned into four parts, with geologic annotations.
 - Copy of the SR Springs 7.5' quadrangle, Wyoming, reproduced on drafting film and sectioned into four parts, with geologic annotations.
 - Copy of the Wyarno 7.5' quadrangle, Wyoming, reproduced on drafting film and sectioned into four parts, with geologic annotations.
 - Copy of Sheet 2, USGS Miscellaneous field studies map MF-726, with corrections and annotations.

Published as: U.S. Geological Survey. Miscellaneous field studies map MF-723. 1975.

GEOLOGY OF THE STROUD CREEK 7.5' QUADRANGLE, ROSEBUD AND BIG HORN COUNTIES, MONTANA. 1975.

- NO-11872 W.C. Culbertson and M.C. Klett. Field notebook with geologic, measured section, and sample notes related to field investigation of the Stroud Creek 7.5' quadrangle, Montana. 1975.
- NO-11873 Expandable envelope with:

- Partial copy Stroud Creek 7.5' quadrangle with attached adjacent portion of the Lacey Gulch 7.5' quadrangle, with geologic annotations.
- Ten geologic section diagrams.
- Copy of the Stroud Creek 7.5' quadrangle, reproduced on drafting film and sectioned into four parts, with geologic annotations.

Published as: U.S. Geological Survey. Miscellaneous field studies map MF-822. 1979.

**GEOLOGY OF THE BROWNS MOUNTAIN 7.5' QUADRANGLE,
ROSEBUD COUNTY, MONTANA. 1975-1976.**

NO-11874 W.C. Culbertson and M.C. Klett. Field notebook with geologic, measured section, and sample notes related to field investigation of the Browns Mountain 7.5' quadrangle, Montana. 1975.

NO-11875 Envelope with:

- Six portions of the Browns Mountain 7.5' quadrangle, reproduced on drafting film, with geologic annotations.
- Copy of USGS Miscellaneous field studies map MF-814, with annotations.
- Five sheets with coal bed notes and calculations.

Published as: U.S. Geological Survey. Miscellaneous field studies map MF-814. 1976.

**GEOLOGY OF THE FORKS RANCH 7.5' QUADRANGLE, BIG HORN
COUNTY, MONTANA. 1976.**

NO-11876 W.C. Culbertson and M.C. Klett. Field notebook with geologic, measured section, and sample notes related to field investigation of the Forks Ranch 7.5' quadrangle, Montana. 1975.

NO-11877 Expandable envelope with two folders:

- Folder 1. Four portions of the Forks Ranch 7.5' quadrangle, reproduced on drafting film, with geologic annotations.
- Folder 2. A total of 39 geologic section diagrams.

Published as: U.S. Geological Survey. Miscellaneous field studies map MF-1086. 1979.

**GEOLOGY OF THE QUIETUS 7.5' QUADRANGLE, BIG HORN AND
POWDER RIVER COUNTIES, MONTANA. 1976.**

NO-11878 W.C. Culbertson and M.C. Klett. Field notebook with geologic, measured section,

and sample notes related to field investigation of the Quietus 7.5' quadrangle, Montana. Several photographs with annotations are attached. 1976.

- NO-11879 Expandable envelope with two folders:
- Folder 1. Four portions of the Quietus 7.5' quadrangle, reproduced on drafting film, with geologic annotations.
 - Folder 2. Six geologic section diagrams.

Published as: U.S. Geological Survey. Miscellaneous field studies map MF-1087. 1979.

GEOLOGY OF THE SAYLE HALL 7.5' QUADRANGLE, POWDER RIVER COUNTY, MONTANA. 1976-1981.

- NO-11880 W.C. Culbertson. Field notebook with geologic and measured section notes related to field investigation of the Sayle Hall 7.5' quadrangle, Montana. 1979.

- NO-11881 Expandable envelope with three folders:
- Folder 1. Copy of the Sayle Hall 7.5' quadrangle, sectioned into four parts, with geologic annotations.
 - Folder 2. Fourteen sheets with gamma-ray and resistivity logs for drill holes in the Powder River Basin, Montana.
 - Folder 3. Diagram showing coal bed correlation between 13 drill holes in the Powder River Basin, Montana.

GEOLOGY OF THE BIRNEY 30' X 60' QUADRANGLE, BIG HORN, POWDER RIVER, AND ROSEBUD COUNTIES, MONTANA. 1976-1981.

- NO-11882 Document box with approximately 225 color aerial photographs of the Powder River Basin, Montana, some with geologic annotations. Flight lines A, K-M, ML, NM, N, NO, O, PO, U-Z.
- NO-11883 W.C. Culbertson. Field notebook pages with geologic notes related to field investigation of the Fort Howes, Goodspeed Butte, King Mountain, Otter, Reanus Cone, Spring Gulch, and Yager Butte 7.5' quadrangles, Montana. 1978-1979.
- NO-11884 W.C. Culbertson and G.A. Correia. Field notebook pages with geologic notes and sketches related to field investigation of the Fort Howes, Green Creek, Hamilton Draw, Otter, Spring Gulch, Taintor Desert, and Yager Butte 7.5' quadrangles, Montana. 1980.
- NO-11885 W.C. Culbertson and B. Martin. Field notebook with geologic notes and sketches and photographs related to field investigation of the Birney Day School and Green Creek 7.5' quadrangles, Montana. 1977.

- NO-11886 W.C. Culbertson and T.M. Gaffke. Field notebook with geologic notes and sketches related to field investigation of the Green Creek 7.5' quadrangle, Montana. 1979.
- NO-11887 W.C. Culbertson and H.I. Saperstone. Field notebook with geologic notes and sketches related to field investigation of the Chalky Point, Half Moon Hill, Kirby, Sarpy School, and Tongue River Dam 7.5' quadrangles, Montana. 1981.
- NO-11888 Archival box with two groups of strip logs for geologic sections measured in the Browns Mountain and Stroud Creek 7.5' quadrangles, Montana.

MA-03053 Map folder with 19 items:

- Portion of the Birney 30' x 60' quadrangle, Montana, with locations of 7.5' quadrangles shown, and other annotations.
- One copy, each, of the Decker, Fort Howes, Kirby, Otter, Taintor Desert, and Tongue River Dam 7.5' quadrangles, Montana, with annotations.
- Two copies of the Goodspeed Butte 7.5' quadrangle, Montana, with annotations.
- Five copies of the Green Creek 7.5' quadrangle, Montana, with annotations.
- Three diagrams showing location and correlation of coal exploration drill holes in the Green Creek 7.5' quadrangle, Montana.
- Two drafting-film overlays of the Green Creek 7.5' quadrangle, Montana, showing geology and structure.

Published as: U.S. Geological Survey. Open-file report 78-652. 1978.

Published as: U.S. Geological Survey. Open-file report 78-653. 1978.

Published as: U.S. Geological Survey. Open-file report 78-654. 1978.

Published as: U.S. Geological Survey. Open-file report 78-506. 1978.

Published as: U.S. Geological Survey. Open-file report 79-80. 1979.

Published as: U.S. Geological Survey. Open-file report 80-55. 1980.

Published as: U.S. Geological Survey. Open-file report 81-1136. 1981.

Published as: U.S. Geological Survey. Open-file report 81-1239. 1981.

Published as: U.S. Geological Survey. Open-file report 81-1329. 1981.

Published as: U.S. Geological Survey. Coal investigations map C-96-B. 1984.

Published as: U.S. Geological Survey. Coal investigations map C-111. 1987.

Published as: U.S. Geological Survey. Coal investigations map C-112. 1987.

Published as: U.S. Geological Survey. Coal investigations map C-113. 1987.

**GEOLOGY OF THE BIRNEY DAY SCHOOL 7.5' QUADRANGLE,
ROSEBUD COUNTY, MONTANA. 1976-1981.**

- NO-11889 Expandable envelope with three folders:
- Folder 1. Five portions of the Birney Day School 7.5' quadrangle, reproduced on drafting film, with geologic annotations.
 - Folder 2. Fourteen geologic section diagrams.
 - Folder 3. Six sheets with diagrams showing coal bed correlation between drill holes in the Powder River Basin, Montana, and one map of the Poker Jim-O'Dell Creek coal deposit, Rosebud County, Montana.

Published as: U.S. Geological Survey. Open-file report 79-80. 1979.

**GEOLOGIC STUDIES OF THE CANON CITY COAL FIELD, FREMONT
COUNTY, COLORADO. NO DATE.**

- NO-11890 Archival box with group of strip logs for drill holes in the Canon City Coal Field, Colorado. The work was done for W.C. Culbertson's Colorado School of Mines Master's thesis project, supported by the USGS Geologic Division, Branch of Coal Resources.
- NO-11891 Envelope with 14 illustrations on drafting film, used as figures in W.C. Culbertson's Colorado School of Mines Master's thesis project, supported by the USGS Geologic Division, Branch of Coal Resources.
- MA-03054 Map folder with 22 items:
- Two sheets with reproductions of strip logs for coal sections in the Canon City Coal Field.
 - Sheet with reproductions of electrical logs for drill holes in the Canon City Coal Field.
 - Nineteen sheets with maps showing structure and drill hole locations for coal resources in the Canon City Coal Field.