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**DONALD CAVE DUNCAN**  
(1911 - )

NOTES, CORRESPONDENCE, PAPERS

1940 - 1950

(1.0 linear ft. and 11 map folders)

INVENTORY

By

Clay M. Martin and Carol A. Edwards  
U.S. Geological Survey Field Records Collection  
MS 914, Box 25046, Federal Center  
Denver, CO 80225-0046  
November 2002/March 2009

Location of Field Notebooks: CS 16-12

**GEOLOGY AND OIL SHALE RESOURCES OF THE EASTERN PART OF  
THE PICEANCE CREEK BASIN, RIO BLANCO AND GARFIELD  
COUNTIES, COLORADO. 1940-1950.**

<u>Item Number</u>	<u>Description</u>
MA-00134	Map folder with two items: <ul style="list-style-type: none"><li>- draft copy of a map entitled "Eastern Part of the Piceance Creek Basin, Rio Blanco and Garfield Counties, Colorado".</li><li>- draft copy of a diagram entitled "Columnar Section and Drill Hole Logs of the Green River Formation".</li></ul>

Published as: U.S. Geological Survey. Oil and gas investigations map OM-119. 1950.

Published as: U.S. Geological Survey. Open-file report 52. 1950.

**INVESTIGATION OF MANGANESE DEPOSITS IN COCONINO  
COUNTY ARIZONA. 1941.**

NO-10865	Envelope with: <ul style="list-style-type: none"><li>- field notebook pages with sketch maps and geologic notes on the Frazier's Well, Evans-Woody, Peach Springs, Woodie-Adams, and Aubrey Cliffs manganese prospects, Hualapai Indian Reservation area, Coconino County, by D.C. Duncan and F.M. Byers. August 1941.</li><li>- portion of a map of the Hualapai Indian Reservation with annotations showing manganese prospects and occurrences near Frazier's Well.</li><li>- sketch map on graph paper of the Woodie-Adams manganese prospect near Peach Springs, Coconino County.</li></ul>
NO-08055	Expandable envelope with: <ul style="list-style-type: none"><li>- one set of field notes with sketch maps and geologic, mine, and sample notes on manganese prospects in Long Valley, Coconino County, Arizona, by D.C. Duncan and F.M. Byers. May-August 1941.</li><li>- one set of vertical angle notes from surveying done by D.C. Duncan and F.M. Byers at the Long Valley manganese prospects. August 1941.</li><li>- miscellaneous correspondence associated with investigations of the Long Valley manganese prospects. 1942.</li><li>- one 19-page report entitled "Manganese deposits near Long Valley, Coconino County, Arizona", with associated figures and notes, by D.C. Duncan and F.M. Byers.</li><li>- one set of reserve/resource calculation sheets for the Long Valley manganese deposits.</li></ul>

- MA-02801 Map folder with three items:
- U.S. Forest Service topographic map of Coconino National Forest (scale 1:63,630) with geologic annotations and claim locations. 1935.
  - one plane table sheet showing topography, geology, and excavations at the Long Valley manganese deposits, Coconino County.
  - one map entitled "Geology and mine workings at the manganese deposits near Long Valley, Coconino County, Arizona" by D.C. Duncan and F.M. Byers. 1941.

### **INVESTIGATION OF MANGANESE DEPOSITS NEAR MANILA, DAGGETT COUNTY, UTAH. 1941.**

- NO-08053 Expandable envelope with:
- one set of notes on sections measured in U.S. Bureau of Mines trenches from the Manila area, with accompanying correlation diagram. 1941.
  - one set of notes by F.M. Byers with survey, sample, and trench description data from the Manila area. Also included is a table of manganese analysis results for some samples. 1941.
  - one set of vertical angle notes for mapping by D.C. Duncan and F.M. Byers at manganese prospects in the Manila area. 1941.
  - miscellaneous sketch maps and diagrams from Manila area manganese prospects.
  - miscellaneous correspondence regarding the Manila area manganese project.
  - unpublished six-page manuscript entitled "Preliminary report on the Daggett Chief Manganese Deposit, Manila, Daggett county, Utah", by Paul T. Allsman.
  - two sets of written descriptions of stratigraphic sections measured at Manila area manganese prospects.

- MA-02802 Map folder with 10 items:
- one sheet of shaft and adit diagrams with sample location data and assay results for the Daggett Chief manganese deposits. Accompanying note indicates that the data was received from the U.S. Bureau of Mines.
  - map entitled "Daggett Chief Mining Claims, Manila, Utah: Assay Map" by Paul T. Allsman, U.S. Bureau of Mines. 1940.
  - table of stratigraphic section data for the Manila area manganese deposits.
  - plane table sheet entitled "Manganese Deposits Near Manila, Daggett County, Utah—Duncan and Byers 1941".
  - three cross-section diagrams of mineralized zones and assay data, accompanied by tonnage and grade calculations for the Manila area deposits.
  - one unidentified geologic sketch map.
  - one index map of the Manila area, showing the Daggett Chief claim.
  - one geologic map of the Daggett Chief claim area by D.C. Duncan and F.M. Byers.

## **INVESTIGATION OF ANTIMONY DEPOSITS IN YAVAPAI COUNTY, ARIZONA. 1941**

- NO-10866 Expandable envelope with:
- four pages of field notes with sketch maps, directions, and geologic data for an antimony prospect near Prescott, Yavapai County, by F.M. Byers. August 1941.
  - four-page, typed report entitled "Robinson Antimony Property" by H.O. Hammond.
  - three versions of a five-page report entitled "Florence Antimony Claims, southeast of Prescott, Yavapai County, Arizona", by F.M. Byers and D.C. Duncan.
  - miscellaneous sketches, notes, and correspondence associated with the Yavapai County antimony investigation. 1941.

## **STIBNITE INVESTIGATIONS, ANTIMONY CANYON, GARFIELD COUNTY, UTAH. 1941-1942.**

- NO-10867 D.C. Duncan. Field notebook pages with sketches and geologic and stratigraphic section notes for the Antimony Canyon area. 1941.
- NO-10868 F.M. Byers. Field notebook pages with sketches and geologic and sample notes for the Antimony Canyon area. 1941.
- NO-10869 D.C. Duncan. Field notebook with sketches and geologic and sample notes for the Antimony Canyon area. Pocket in back contains seven sketch maps of prospects and three stratigraphic section diagrams. 1941-1942.
- NO-10870 D.C. Duncan and F.M. Byers. Vertical angle book with survey data for the Antimony Canyon area, including the Winner, Emma, Albion, Nevada, Stebnite (sic), and Stella claims. 1941-1942.
- MA-02803 Map folder with five items:
- two plane table sheets showing topography, geology, and excavations at the Albion, Emma, and Nevada claims, Antimony Canyon stibnite area. One sheet has mapping on both sides. 1941.
  - one plane table sheet showing topography, geology, and excavations in Antimony Canyon. 1941-1948.
  - plane table sheet showing topography, geology, and excavations in Antimony Canyon. Both sides of the sheet were used, and are labeled "South Side" and "North Side".
  - one 17 x 24-inch aerial photograph of the Antimony Canyon area, with geologic annotations.

Published as: U.S. Geological Survey. Open-file report 49-10. 1949.

## **GEOLOGY OF THE MOUNT PLEASANT COAL FIELD, SANPETE COUNTY, UTAH. 1941-1943.**

- NO-00765 D.C. Duncan and G.L. Bell. Field notebook with diamond drill hole sample data and field notes for the Mount Pleasant project. 1941-1942.
- NO-00766 D.C. Duncan, G.L. Bell, and L.A. Turnbull. Field notebook with diamond drill hole data for U.S. Bureau of Mines test well 1-35. 1941-1942.
- NO-00767 Expandable envelope with two folders:
- Folder 1. A total of 41 aerial photographs of the Mount Pleasant Coal Field, most with geologic annotations.
  - Folder 2. Miscellaneous correspondence, drafts of illustrations, table of coal analysis data, and other material associated with the preparation of Open-file report 44-58.
- MA-00166 Map folder with a geologic map of the Mount Pleasant Coal Field, Sanpete County, Utah. A marginal note credits the geology to D.C. Duncan and the topography to G.L. Bell. The sheet includes stratigraphic section diagrams. 1944.

Published as: U.S. Geological Survey. Open-file report 44-58. 1944.

## **VANADIUM DEPOSITS NEAR EGNAR AND SLICK ROCK, SAN MIGUEL COUNTY, COLORADO. 1942.**

- NO-08477 Envelope with a first draft of a preliminary report, dated September 1942, giving a brief summary of the results of an examination conducted by D.C. Duncan and William Lee Stokes in 1942, and briefly by R.P. Fischer, as part of the U.S. Geological Survey's strategic and critical minerals investigations on the Colorado Plateau. There is also an original typed copy of a longer report, "Vanadium deposits in the Egnar area, San Miguel County, Colorado"; the file does not include the photographs listed as illustrations for this longer report.
- MA-01789 Map folder with 3 items:
- Plate 1. Geology and Vanadium Deposits in the Egnar area, San Miguel County, Colorado. September 1942 – negative paper map in 2 overlapping pieces.
  - Plate 2. Map of Part of Snyder and Spud Patch Groups, Egnar area, San Miguel County, Colorado. July 1942.

**VANADIUM STUDIES IN THE CARRIZO MOUNTAINS, NAVAJO  
INDIAN RESERVATION, ARIZONA. 1942.**

NO-10871 D.C. Duncan. Field notebook pages with vertical angle survey notes, sketch maps, and geology, stratigraphic section, and sample notes related to vanadium investigations in the Carrizo Mountains. October 1942.

**GEOLOGY AND COAL DEPOSITS IN PART OF THE COOS BAY COAL  
FIELD, COOS COUNTY, OREGON. 1942-1947.**

NO-00769 D.C. Duncan, D.A. Andrews, and R.C. Robeck. Field notebook with core logs and corrected stratigraphic intervals for 12 drill holes in the Coos Bay Coal Field. An introductory note by Duncan states "these logs were copied from original field notes and adjustments made for stratigraphic thickness of rock units penetrated where beds dip steeply". 1944.

NO-00770 Expandable envelope with three folders of data for the Coos Bay Coal Field project, including drilling data, stratigraphic sections, tonnage and reserve estimates, heat value and other coal analysis data, and rock and fossil sample data. Contributors include D.C. Duncan, R.E. Sewart, H.E. Vokes, J.A. Cushman, W.A. Cole, J.S. Diller, J.J. Dowd, T.R. Jolley, and J.M. Schopf. 1944-1947.

NO-00771 D.C. Duncan, D.A. Andrews, and R.C. Robeck. Field notebook with vertical angle, drill hole, and geology notes for the Coos Bay Coal Field. 1943-1945.

NO-00772 Expandable envelope with 60 aerial photographs of the Coos Bay Coal Field, most with annotated geology. Also included are two flight index maps. 1942.

MA-00167 Map folder with 14 items:

- two maps and stratigraphic section diagrams showing geology in the vicinity of Demar and Coquille, Coos Bay Coal Field, Oregon.
- one blueprint copy, each, of the Bandon, Coquille, Empire, and Marshfield 15' quadrangles, Oregon, with geologic annotations.
- map and stratigraphic section diagrams of the Gibbs and McKenna portal areas by the Oregon State Department of Geology and Mineral Industries.
- map entitled "Geologic Map of the Coos Bay Quadrangle, Oregon", by J.E. Allen and E.M. Baldwin.
- two copies of a map entitled "Map of Coos Bay Coal Field, Oregon".
- one diagram of unidentified stratigraphic sections.
- road map of Coos County, Oregon, with geologic annotations. 1940.
- two copies of a map entitled "Southport and Thomas Project: Topography, Course of Outcrop, and Location of Drill Holes", by the Oregon State Department of Geology and Mineral Industries.

MA-01418 Map folder with 10 items:

- five pages of coal analysis tables for the Coos Bay area by the U.S. Bureau of Mines.
- three pages of coal section descriptions and analysis data from Coos County coal mines, including the Big Dipper, Gibbs, Martin, Overland, and Southport Mines.
- sketch map of workings at the Beaver Hill Coal Mines. 1923.
- sketch map entitled "Map showing the location of the Coos Bay Coal and Fuel Co's Mine". 1915.

Published as: U.S. Geological Survey. Technical paper 707. 1948.

Published as: U.S. Geological Survey. Bulletin 982-B. 1953.

### **GEOLOGY OF NAVAL OIL SHALE RESERVES 1 AND 3, GARFIELD COUNTY, COLORADO. 1946.**

MA-00342 Map folder with 10 items:

- diagram showing generalized sections of part of the Green River and Wasatch Formations near Naval Oil Shale Reserves 1 and 3, Garfield County, Colorado.
- three copies of a U.S. Department of the Interior Grazing Service map of the Parachute area, with property ownership, lease information, drill hole, and sample location annotations.
- six cross section diagrams of the Naval Oil Shale Reserve area, showing depth and thickness of oil shale-bearing formations.

MA-00343 Map folder with 14 items:

- three 23 x 30 inch photographic negatives of illustrations showing structure contours, surface geology, and stream drainages in the vicinity of Naval Oil Shale Reserves 1 and 3, Garfield County, Colorado.
- worksheet with map and reserve calculation data for the Naval Oil Shale Reserves 1 and 3, Garfield County, Colorado.
- four diagrams showing structure contours for the Parachute Creek Member, Mahogany marker, and main oil shale zone in the vicinity of Naval Oil Shale Reserves 1 and 3, Garfield County, Colorado.
- six copies (including draft and preliminary versions) of a geologic map of Naval Oil Shale Reserves 1 and 3, Garfield County, Colorado.

MA-00344 Map folder with six charts of detailed columnar sections of oil shale zones in the Green River Formation, Naval Oil Shale Reserves 1 and 3, Garfield County, Colorado, by D.C. Duncan, N.M. Denson, T.G. Moran, and R.C. Robeck, assisted by J.W. Marshall.

Published as: U.S. Geological Survey. Oil and gas investigations map OM-94. 1949.