



**U.S. GEOLOGICAL SURVEY
FIELD RECORDS LIBRARY
DENVER, COLORADO**

JOHN BEAVER MERTIE, JR.
(1888 - 1980)

NOTES, CORRESPONDENCE, PAPERS

1935 - 1946

(1.5 linear ft. and 2 map folders)

John Beaver Mertie, Jr. was born on January 22, 1888 in Baltimore, Maryland. He earned a B.A. degree from John Hopkins University in 1908 and a Ph.D. from the same university in 1911. After graduation he began his U.S. Geological Survey career in Alaska as a petrographer. He is best known for his work in the Yukon-Tanana region. In 1942 he retired from active field work in Alaska, but continued work in the lower states until 1958.

INVENTORY

By

Carol A. Edwards and Jenny M. Stevens
U.S. Geological Survey Field Records Collection
MS 914, Box 25046, Federal Center
Denver, CO 80225-0046
February 2002/April 2010

Location of Field Notebooks: [CS 9-6](#)

**GEOLOGY OF THE FERRY CANYON QUADRANGLE AND
SURROUNDING AREAS, BROADWATER AND LEWIS AND CLARK
COUNTIES, MONTANA. 1935-1946.**

<u>Item Number</u>	<u>Description</u>
NO-01320	Richard Philip Fischer. Field notebook with geologic, stratigraphic, and structure notes and a few sketches; notes on specimens; identification numbers for aerial photographs related to a given locale; traverse notes; information on photos taken. Locales include: Hellgate Canyon, Spokane Hills, Avalanche Canyon, Bilk Creek, White Creek and Gulch, Avalanche Creek, Spilling Gulch, Thompson Gulch. An index sheet is included in the front of the notebook. Station numbers F1- F100; specimen numbers F21-F24, 46F265- 46F98. 1946.
NO-01321	Stanley E. Good. Field notebook with geologic and stratigraphic notes and a few sketches; notes on samples; notes on mines and prospects; identification numbers for aerial photographs related to a given locale. Locales include: Hellgate Canyon, Bar Gulch, York Gulch, Grouse Gulch, and Avalanche Hills. Station numbers G1- G31; sample numbers 46G1- 46G10. 1946.
NO-01322	Samuel Warren Hobbs. Field notebook with vertical angle and mapping notes; geologic and stratigraphic notes and some sketches to accompany plane table traverses. Locales include Hellgate Canyon and vicinity, and Magpie Gulch. Station numbers 1-156, H156a- H271; sample numbers 46H1- 46H17c. 1946.
NO-01323	Peter Joralemon. Field notebook with geologic and stratigraphic notes; identification numbers for aerial photographs related to a given locale; notes on mines and prospects; notes of samples taken. Station numbers J1- J35. 1946.
NO-01324	John B. Mertie, Jr. Field notebook 1 with traverse notes; geologic notes; notes on samples. Locales include Perry-Schroeder Mining Company, Hellgate Creek, Eldorado Bar, Argo Mine, Avalanche Creek, Cove Creek, Doolittle Creek, Magpie Creek, Doolittle Copper Mine, Cooper Gulch, Winston Brothers dredge on Prickly Pear Creek, Beaver Creek, Confederate Creek, Diamond City, Bar Gulch, Porter Brothers Corp. dredge north of Helena, Oregon Gulch, H. & H. Mining Company, Douglas and Ellis Mining Company, White Gulch. Also included are notes on an interview with long-time resident Roland Eames on early mining; mining information from Bert Warfield of Helena; mining information from William H. DeBorde; irrigation information on Helena Valley. An index sheet is included in the front of the notebook. Station numbers J1-J13, O14- O20, Q21-190; sample numbers 46Mt1- 46Mt213. 1946.
NO-01325	John B. Mertie, Jr. Field notebook 2 with geologic, stratigraphic, traverse, mining, and sample notes. Locales include Douglas and Ellis Mining Company in the Hassel area, Spokane Hills, York Gulch, Clasoil area, Spokane Creek, and

Norman Rogers Gold Mining Company on Clancy Creek. An index sheet is included in the front of the notebook. Station numbers 191-196; sample numbers 46Mt214- 46Mt277. 1946.

- NO-01326 Expandable envelope with 2 copies each of 52 aerial photographs, some with annotations:
- BB 42: 40-25
 - BB 23: 107-97
 - AZU BB 23: 36-48
 - BB 23: 49-60
- NO-01327 Expandable envelope with 2 copies each of 50 aerial photographs, some with annotations:
- AZU BB 24: 36-48
 - BB 24: 49-60
 - AZU BB 33: 35-33
 - AZU BB 24: 109-99
 - BB 24: 98- 94
 - BOY 24: 93-88
- NO-01328 Expandable envelope with 2 copies each of 46 aerial photographs, some with annotations:
- BB 17: 112- 97
 - BB 20: 40-11
- NO-01329 Expandable envelope with 2 copies each of 51 aerial photographs, some with annotations:
- AZU BB 33: 93-94
 - AZU BB 25: 36-25
 - BB 25: 24-20
 - BOY 25: 19-15
 - AZU BB-34: 9-1
 - BOY 25: 47-64
- NO-01330 Expandable envelope with 2 copies each of 55 aerial photographs, some with annotations:
- AZU BB 34: 72-66
 - BOY 25: 110- 92
 - AZU BB 35: 8-1
 - BOY 54: 11-31
- NO-01331 Expandable envelope with 2 copies each of 54 aerial photographs, some with annotations:
- BOY 65: 47- 66
 - BOY 54: 67- 42
 - AZU 42: 61-62

- AZU BB 35: 71, 88
- AZU BB 43: 34-37

MA-01433 Map folder with U.S. Forest Service map of the Helena-Elkhorn Peak-Big Belt Mountains area, Montana, with annotated aerial photo survey flight lines.

Published as: U.S. Geological Survey. Bulletin 972. 1951.

QUARTZ CRYSTAL DEPOSITS OF SOUTHWESTERN VIRGINIA AND WESTERN NORTH CAROLINA. 1943.

NO-11517 John Beaver Mertie, Jr. Field notebook with geologic and stratigraphic notes; measurements, sketches, and notes on samples. Locales include Virginia, North Carolina, Pennsylvania and Georgia. The notebook includes a pocket containing a numbered index of quartz crystal deposits of southwestern Virginia and western North Carolina, and five sketch maps showing Allentown State Hospital Farm, dated April 27, 1943; prospect pits at Weaversville site; a quartz locality near Kunkletown, Monroe County, Pennsylvania, dated April 26, 1943; and a sketch map of quartz occurrences near Hillsville, Virginia. 1943.

MA-02960 Map folder with one plane table sheet showing the Clinton Jackson Quartz Crystal Deposit. Laurel Fork, Carroll County, Virginia. E. Wm. Heinrich & James J. Norton. March 26-27, 1943.

Published as: U.S. Geological Survey. Bulletin 1072-D. 1959.