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ARTHUR PIERCE BUTLER

(1908-)

NOTES, CORRESPONDENCE PAPERS

1942 - 1954

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INVENTORY

by

Carol A. Edwards

U.S. Geological Survey Field Records Library

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Location of Field Notebooks CS 23- 4

**TRACE ELEMENTS INVESTIGATIONS IN THE PHOSPHORIA
FORMATION. BEAVERHEAD, GALLATIN, GRANITE, MADISON,
POWELL, AND SILVER BOW COUNTIES, MONTANA. 1944.**

<u>Item Number</u>	<u>Description</u>
NO-08757	Montana. Trace Elements. 1944. A.P. Butler and C.W. Chesterman. Book 1. Notes and sketches on the reconnaissance for uranium in the Phosphoria Formation in southwestern Montana. Includes geologic and stratigraphic notes, sample notes, notes on trenches dug and samples taken. Trenches MB-1 through MB-16, MM-1 and MM-2, MG-1 and MG-2, MGR-1 through MGR-8. Locales include Melrose, Daly's, Canyon Creek, Maiden Rock tunnel, Big Hole River, Anaconda Fertilizer claim, Shepherd Mountain area, McCarthy Mountain area, Small Horn Canyon, Dry Canyon, Ruby Valley, Gallatin Valley, Maxville area, Douglas Mountain, Disset mine, Philipsburg, Wyman Gulch, Stewart Mountain, Edgar mine, Princeton, International Minerals & Chemical Corporation areas. See also index sheet in front of notebook.
NO-08758	Montana. Trace Elements. 1944. C.W. Chesterman and A.P. Butler. Book 2. Notes and sketches on the reconnaissance for uranium in the Phosphoria Formation in southwestern Montana. Includes geologic and stratigraphic notes, sample notes, notes on trenches dug and samples taken. Trenches MB-3, MB-5 through MB-8, MB-10 through MB-12, MB-16, MP-1 and MP-2. Locales include Anaconda tunnel, Shepherd Mountain, Melrose, Big Hole River, Small Horn Canyon, Dell, Dillon, International Minerals & Chemical Corporation areas, and Warm Spring Creek. See also index sheet in front of notebook.
NO-08759	Expandable envelope with 40 original illustrations, on linen, used in publication. Includes index map, columnar sections, geologic structure sections, and reconnaissance geologic map.

Published as: U.S. Geological Survey. Trace Elements Investigations Report No. 5. 1945.

**TRACE ELEMENTS INVESTIGATIONS IN ALABAMA,
GEORGIA, AND NORTH CAROLINA. 1945.**

NO-08760	A.P. Butler, Jr. Outcrop and sample counts, Alabama and Georgia Reconnaissance, 1945. Trace Elements. Notes include station and sample numbers, brief description, and radioactivity counts per 5 minutes for each outcrop and sample. Counts were taken with a Geiger-Mueller counter. B1A – B42aA, B43G-B45G. Locales in these counties in Alabama: Blount, Clay,
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Cleburne, Colbert, Coosa, Etowah, Jefferson, Randolph, Shelby, and Tallapoosa. Locales also in Monroe and Upson Counties, Georgia. See index sheet in front of notebook

- NO-08761 A.P. Butler, Jr. Outcrop and sample counts, Georgia and North Carolina reconnaissance, 1945. Trace Elements. Notes include station and sample numbers, brief geologic description, and radioactivity counts per 5 minutes for each outcrop and sample. Counts were taken with a Geiger-Mueller counter. B46G – B68G, B69NC – B83NC. Locales in these counties in Georgia: Bartow, Cherokee, Fannin, Gilmer, Gordon, Habersham, Hall, Madison, Pickens, and Polk. Locales also in these counties in North Carolina: Burke, Cleveland, Lincoln, and Rutherford. See index sheet in front of notebook.
- NO-08762 Expandable envelope with ten original illustrations, on linen and paper, used in USGS. Trace Elements Investigations – Report No. 12 (1945). Includes index map, locality maps, mine maps, and columnar sections.

Published as: U.S. Geological Survey. Trace Elements Investigations. Report No. 12. 1945.

URANIUM AND THORIUM IN SAMPLE ROCKS OF THE WHITE MOUNTAIN PLUTONIC SERIES, NEW HAMPSHIRE. 1951-1954.

- NO-04323 Samples and station numbers for the following topographic map areas: Winnepesaukee, Crawford Notch, Mt. Chocorua, North Conway, Ossipee, Mount Washington and Franconia.
- NO-04324 Contains sample and chemical analyses data, correspondence, sample locality data, correlation diagrams, mineral sample data and petrographic descriptions.
- NO-10517 Notes for southeastern Maine, including West Pembroke, Old Sinclair Farm, Cooper Plantation, Eastport, Lunds' Corner, Cherryfield, Lubec Lead Mine, Hancock, Gouldsboro Mine, West Bay Mine, Sullivan, Lox Pond, Catherine Mtn., Sullivan Hancock Bridge, Franklin Extension Mine, Blue Hill, Stover Hill Mine, Twin Lead Prospect, and Douglas Mine.
- MA-02681 Topographic maps and maps of sample localities for Crawford Notch, Percy, Franconia, Guildhall, Mt. Chocorua, Mt. Washington, North Conway, Ossipee Lake, Plymouth, Whitefield, Winnepesaukee and Wolfsboro Quadrangles.

Published as: U.S. Geological Survey. Open File Report OFR 75-59. 1975.

FORT APACHE INDIAN RESERVATION APACHE IRON PROJECT. 1942.

NO-10448 Field Notebook with trench logs.

NO-10449 Field Notebook with trench logs.

NO-10450 Field Notebook with trench logs.

NO-10451 Field Notebook with trench logs.

NO-10452 Field Notebook with diamond drill logs by the U.S. Bureau of Mines.

NO-10453 Field Notebook with diamond drill logs by the U.S. Bureau of Mines.

MA-02682 Correlation maps of sample trenches and area maps.

MA-02683 Aerial photo mosaic index, section and ore reserve data and plane table sheets.