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

**LOUIS SAMUEL GARDNER**  
(1904 - )

NOTES, CORRESPONDENCE, PAPERS

1933 - 1971

(1.1 linear ft. and 8 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  
December 2002/May 2004/August 2010

Location of Field Notebooks: CS-8: 9

## **THE HURRICANE FAULT IN SOUTHWESTERN UTAH AND NORTHWESTERN ARIZONA. 1933-1937.**

| <u>Item<br/>Number</u> | <u>Description</u>  |
|------------------------|---|
| NO-01560               | L.S. Gardner. Field notebook 2 with geologic notes and sketches and mine and survey data related to field investigations in the southwestern Cedar City 1 x 2-degree quadrangle, Iron and Washington Counties, Utah. 1930.  |
| NO-01561               | L.S. Gardner. Field notebook 3 with geologic notes and sketches and survey data related to field investigations in the southwestern Cedar City 1 x 2-degree quadrangle, Washington County, Utah. 1930.  |
| NO-01562               | L.S. Gardner. Field notebook 5 with geologic notes and sketches related to field investigations in the southwestern Cedar City 2° quadrangle, Washington County, Utah, and the Littlefield 30' quadrangle, Mohave County, Arizona. 1930.  |
| NO-01563               | L.S. Gardner. Field notebook 6 with geologic notes and sketches related to field investigations in the southwestern Cedar City and southeastern Caliente 1 x 2-degree quadrangles, Washington County, Utah. 1930.   |
| NO-01564               | L.S. Gardner. Field notebook 7 with geologic notes and sketches and survey data related to field investigations in the southwestern Cedar City 1 x 2-degree quadrangle, Washington County, Utah and the Littlefield 30' quadrangle, Mohave County, Arizona. Fourteen additional loose pages of notes in pocket at back of notebook. 1932.                               |
| NO-01565               | L.S. Gardner. Field notebook 11 with geologic notes and sketches and survey data related to field investigations in the La Verkin 3 SW and La Verkin 4 NW 7.5' quadrangles, Washington County, Utah. 1932.  |
| NO-01566               | L.S. Gardner. Field notebook with geologic notes and sketches and survey data related to field investigations in the northern Beaver Dam Mountains, Cedar City 1 x 2-degree quadrangle, Washington County, Utah. No date.   |
| NO-01567               | Document box with approximately 1500 loose sheets of geologic and survey notes related to field investigations in the Hurricane Fault Zone, Garfield, Iron, Kane, Sanpete, and Washington Counties, Utah, Clark County, Nevada, and Mohave County, Arizona. Pages have been removed from field notebooks and organized according to 7.5' and 15' quadrangle. 1933-1937. |
| NO-01568               | Expandable envelope with two folders: <ul style="list-style-type: none"><li>- Folder 1. Approximately 250 loose sheets of geologic and survey notes related to field investigations in the Hurricane Fault Zone, Arizona, Nevada, and Utah. 1933-1936.</li></ul>  |

- Folder 2. Group of 5 x 8-inch index cards with literature notes related to the Hurricane Fault Zone, Arizona, Nevada, and Utah. No date.

Published as: Washington Academy of Sciences Journal. Vol. 30, No. 11. 1940.

Published as: American Journal of Science. Vol. 239, No. 4. 1941.

**GEOLOGY OF THE IRWIN 30' QUADRANGLE,  
BONNEVILLE AND CARIBOU COUNTIES, IDAHO, AND  
LINCOLN AND TETON COUNTIES, WYOMING. 1937-1961.**

- NO-08558 Envelope with group of geologic notes related to field investigations in the Irwin 30' quadrangle, Idaho and Wyoming. Also included are notes on investigations in Lemhi County, Idaho, and miscellaneous correspondence regarding Gardner's work in the Irwin quadrangle. 1937-1961.
- MA-01817 Map folder with 18 plane-table sheets showing geologic mapping in portions of the Irwin 30' quadrangle and the adjoining Hell Creek 15' quadrangle.
- MA-01818 Map folder with 27 items:
- Fifteen geologic cross section diagrams labeled A-A' through N-N' (cross section G-G' is represented by two reproductions of a missing original).
  - Cross section diagram identified only as "across the whole range" (possibly the Caribou Range).
  - Copy of the Irwin 30' quadrangle, Idaho-Wyoming, with extensive geologic annotations.
  - Four enlarged reproductions of the northeast quarter of the Irwin 30' quadrangle, with geologic annotations.
  - Four enlarged reproductions of the northwest quarter of the Irwin 30' quadrangle, with geologic annotations.
  - Enlarged reproduction of the southeast quarter of the Irwin 30' quadrangle, with geologic annotations.
  - Enlarged reproduction of the southwest quarter of the Irwin 30' quadrangle, with geologic annotations.
- MA-01819 Map folder with 11 items:
- Three enlarged reproductions of portions of the Irwin 30' quadrangle, showing locations of geologic cross-sections A-A' through N-N'.
  - Eight enlarged reproductions of portions of the Irwin 30' quadrangle, with geologic annotations.
- MA-01820 Map folder with 25 items:
- Five sheets of columnar section diagrams of Triassic, Permian, Pennsylvanian, and Mississippian rocks in the Caribou Mountains, southeastern Idaho, measured at various places.

- Eight sheets of explanatory diagrams for a preliminary geologic map of the Irwin 30' quadrangle, Idaho-Wyoming.
- Sheet with explanatory diagram for columnar and trench sections in the Irwin 30' quadrangle.
- Four sheets of trench section diagrams in the Irwin 30' quadrangle.
- Six sheets of columnar section diagrams of Cretaceous and Jurassic rocks in the Caribou Mountains.
- Negative-image version (on acetate) of a map entitled "Phosphate, Irwin Quadrangle, Idaho, by Louis S. Gardner", showing geology and cross section locations. Also shown are geologic cross sections A-A' through S-S'.

MA-03027 Map folder with four items:

- Three draft copies of a map entitled "Preliminary geologic map of the Irwin quadrangle, Caribou and Bonneville Counties, Idaho, and Lincoln and Teton Counties, Wyoming", with annotations.
- Draft copy of an explanation for a geologic map of the Irwin Quadrangle, with annotations.

Published as U.S. Geological Survey. Open-File Report 61-53. 1961.

### **ALUNITE DEPOSIT INVESTIGATIONS AT MARBLE MOUNTAIN, RIO GRANDE COUNTY, COLORADO. 1942-1943.**

NO-07864 Envelope with correspondence, notes, sample analysis data, and resource estimates related to field investigation and exploratory drilling of the Marble Mountain alunite deposit near Monte Vista, Colorado. 1942-1943.

### **GEOLOGY OF THE BIG SNOWY MOUNTAINS, FERGUS, GOLDEN VALLEY, AND WHEATLAND COUNTIES, MONTANA. 1945.**

MA-03029 Map folder with eight plane-table sheets (five with mapping on two sides), showing geologic mapping and data points related to field investigations in the Big Snowy Mountains, Montana. Several of the sheets note that C.P. Rogers was assisting L.S. Gardner with the survey. An archivist's note, dated 10/12/1966, indicates the work was "intended for a PP [USGS Professional Paper] but has not been published yet". 1945.

Published as: AAPG Bulletin. Vol. 43, No. 2. 1959.

### **GEOLOGY OF THE LEWISTON AREA, FERGUS COUNTY, MONTANA. 1947-1948.**

NO-00737 Envelope with two copies of a 16-page draft manuscript entitled "Geology of the Lewiston area, Fergus County, Montana", with editor's notes and annotations.

MA-00160 Map folder with 14 items:

- Draft copy, with annotations, of a structure contour map of the Lewiston area, Fergus County, Montana.
- Draft copy, with annotations, of a geologic map of the Lewiston area.
- Nine sheets with drafts of explanatory diagrams for a geology and structure map of the Lewiston area.
- Three versions of an index map showing the state of Montana and the location of the Lewiston and adjacent areas.

Published as: U.S. Geological Survey. Oil and gas investigations map OM-199. 1959.

**GEOLOGY OF THE HELL CREEK 15' QUADRANGLE,  
BONNEVILLE AND BINGHAM COUNTIES, IDAHO. 1973.**

MA-03028 Map folder with 10 items:

- Seven copies of the Hell Creek 15' quadrangle, Idaho, with annotations.
- Tracing-paper overlay for the Hell Creek 15' quadrangle, with annotations.
- Draft copy of an explanation for a geologic map of the Irwin Quadrangle, Idaho-Wyoming, with annotations.
- Table entitled "Sample record, Hell Creek quad, Idaho, 1973".