



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

KENNETH L. COOK
(1915 - 1996)

NOTES, CORRESPONDENCE, PAPERS

1943 – 1956

(0.25 linear ft. and 2 map folders)

Kenneth Lorimer Cook received his Ph.D. in geology, geophysics and paleontology from the University of Chicago in 1943. From 1943 to 1953 he worked for the Geophysics Branch of the USGS, investigating the use of geophysical exploration techniques in western mining districts. After leaving the agency Cook served as geophysics professor and head of the Geophysics Department at the University of Utah. He was director of the University's Utah Seismic Station from 1952 to 1976.

INVENTORY

By

Carol A. Edwards
U.S. Geological Survey Field Records Collection
MS 914, Box 25046, Federal Center
Denver, CO 80225-0046
September 2003

Location of Field Notebooks: CS 20-6

THE MAGNETIC INDUCTION OF A PARAMAGNETIC CYLINDRICAL BAR IN A UNIFORM MAGNETIC FIELD. 1943.

<u>Item Number</u>	<u>Description</u>
NO-08416	Envelope with a 14-page unpublished manuscript summarizing studies done at the former USGS Branch of Geophysics, Denver, Colorado.

MAGNETOMETER SURVEY OF THE SHASTA IRON MINE, SHASTA COUNTY, CALIFORNIA. 1944.

NO-08474	Expandable envelope with an unpublished 6-page manuscript entitled "Report of survey undertaken by the Division of Geophysical Exploration, U.S. Bureau of Mines". Included are maps and other illustrations. Material from the files of the former USGS Branch of Geophysics, Denver, Colorado.
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GEOPHYSICAL SURVEYS IN THE EAST TINTIC DISTRICT, JUAB AND TOOELE COUNTIES, UTAH. 1947-1956.

NO-08472	Expandable envelope with two items: <ul style="list-style-type: none">- Folder 1. Typed carbon copy of an unpublished 26-page manuscript entitled "Electrical surveys in the East Tintic District, Utah – A progress report," dated February, 1951. The report summarizes preliminary results of a survey done in the Chief Oxide area. Related correspondence is also included. (1951, 1956).- Folder 2. Copy of an unpublished 26-page manuscript entitled "A gravimetric survey in the East Tintic mining district, Utah," dated 1947, summarizing results of a survey "made principally to test the effectiveness of a gravimeter in exploring for massive galena deposits in a typical western mining district".
MA-01785	Map folder with 6 items: <ul style="list-style-type: none">- Geologic map of the Chief Oxide area, East Tintic District.- Geologic cross section diagram through churn drill holes 1 and 2, Chief Oxide area.- Self-potential log of churn drill hole 2, Chief Oxide area.- Apparent resistivity profile diagram at churn drill hole 2, Chief Oxide area.- Diagram showing apparent resistivity values around churn drill hole 2, Chief Oxide area.- Isoresistivity map, Chief Oxide area.
MA-01786	Map folder with 6 items: <ul style="list-style-type: none">- Regional map showing location of the East Tintic District.

- Chart of geological cross sections, South Standard area, East Tintic District.
- Topographic map of South Standard area, East Tintic District, showing gravimeter grid.
- Reduced gravity map of South Standard area, East Tintic District.
- Map showing sample locations and results of spectroscopic and chemical alteration studies, East Tintic District.
- Geologic map of South Standard area, East Tintic District.

GRAVITY MEASUREMENTS IN BUILDINGS OF THE U.S. BUREAU OF STANDARDS, WASHINGTON, D.C. 1948.

NO-08435 Envelope with a 6-page unpublished manuscript by K.L. Cook, D.P. Johnson, and R.M. Shuler.