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FIELD RECORDS COLLECTION  
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**WILMOT HYDE BRADLEY**  
(1899 - 1970)

NOTES, CORRESPONDENCE, PAPERS

1923 - 1958

(2.5 Linear Feet and 5 Map Folders)

Bradley was born April 4, 1899 in Westville, Connecticut. He graduated with an undergraduate degree in Chemistry from Yale University. His first USGS assignment was as Field Assistant to work F.C. Calkins was doing in the Wasatch Mountains. Bradley was Chief of the USGS Military Unit from 1942 to 1944, and Chief Geologist for USGS from 1944 to 1959. He was known for his work as an economic and military geologist in the areas of geomorphology, invertebrate paleontology, and limnology.

INVENTORY

By

Carol A. Edwards  
U.S. Geological Survey Field Records Collection  
MS 914, Box 25046, Federal Center  
Denver, CO 80225-0046  
February 2002

Location of Field Notebooks: CS 19-12

## **GEOLOGY OF NORTHERN SWEETWATER COUNTY, WYOMING. 1923.**

<u>Item Number</u>	<u>Description</u>
NO-00442	Bradley, W.H. On title page: "Geologic Field Notes... 1923. Northern Sweetwater County, Wyoming. Area embraced between T. 23 N., and T. 25 N., and Ranges 100 W. to 104 W., inclusive." Includes geologic notes, notes on coal, stratigraphic notes and sections, notes on samples. Station locations B1-B50. Also, photograph record; automobile record; and a chronological summary of daily activities, June 1 – September 30, including activities by C.H. Dane.
NO-00443	Five vertical angle traverse books having notes for Wyoming, including one notebook with notes for Wyoming-Colorado; all books are stamped "Oil Shale." Notes by W.H. Bradley, Carle H. Dane, and Julian D. Sears.
NO-00444	Dane, Carle H. On title page: Geologic Field Notes by Carle H. Dane... 1923. Northern Sweetwater County, Wyoming. Area embraced between Townships 23 N. and 25 N., and Ranges 100 W. to 104 W. inclusive." Geologic and stratigraphic notes and sections, notes on coal, sketches. Station localities D1-D29.
MA-02510	Map folder geology of the northern Sweetwater County, Wyoming with 6 plane table sheets with geologic mapping by Bradley and Dane and also showing station locations.

## **NOTES ON THE GREEN RIVER FORMATION AND ASSOCIATED ROCKS IN SOUTHWESTERN WYOMING. 1958.**

NO-08330	Geologic and stratigraphic notes, notes on samples, fossil notes. Localities include: Hiawatha Basin; Green River; Bitter Creek gap; section on Big Sandy Creek; Aspen Mountain. Some localities identified by section, township, and range. Also, handwritten sheet, "Info. wanted from field" and 4 Polaroid photographs, only one of which is clearly identified.
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Published as: U. S. Geological Survey. Professional Paper 496-A. 1964. Geology of Green River Formation and associated Eocene rocks in southwestern Wyoming and adjacent parts of Colorado and Utah.

## **NOTES ON THE BRIDGER BASIN AND RED DESERT. SWEETWATER AND UINTA COUNTIES, WYOMING. 1941.**

- NO-08328 1941. No. 1. Geologic and stratigraphic notes, notes on fossil localities, and photograph record. Localities include Antelope Butte, White Mountain, Manila, Wamsutter, Vermilion Creek, Rife Ranch Road, Continental Peak, Oregon Buttes, Twin Buttes, and Gagin's quarries.
- NO-08329 Three vertical angle books titled "Green River and Bridger Formations, Bridger Basin. 1941." With W.H. Bradley, Chief of Party, and J.J. Fahey, instrument Man.

**NOTES ON THE PACIFIC SPRINGS – OREGON BUTTES AREA.  
SWEETWATER COUNTY, WYOMING. 1929.**

- NO-08315 No. 1. 1929. Inside front cover of notebook: "Physiography around Pacific Springs Oregon Buttes area Wyo." Five pages of geologic notes and sketches, and a dried flower. There is also a vertical angle traverse book, project "Alcova and Seminoe dam site examination for U.S. Bureau of Reclamation" and dates May and June 1929. This title is crossed through in pencil and "South Pass-Pacific Spgs area" added in upper right of cover. However, the booklet contains 2 pages of traverse notes titled "Alcova dam site [Carbon County] and "Seminoe dam site" [Natrona County], as well as notes for Pacific Springs – South Pass – Atlantic.

**STUDIES OF THE NORTH FLANK OF THE UINTA MOUNTAINS,  
UTAH, AND ADJACENT AREAS OF WYOMING AND COLORADO.  
1930.**

- NO-08324 No. 1. 1930. Combination traverse notes with geologic, stratigraphic, and descriptive notes, sketches, frequently written as driving along roads in an automobile. Localities include: Bridger Butte; Bridger Bench; Bridger Basin; section of Green River Formation about 3 miles northeast of town of Piedmont on the flank of Bridger Bench; Lachetella Creek; Willow Creek; Little Dry Creek; Lyman Bench; Smith's Fork; Sage Creek; section of lake phase of Bridger on Little Dry Creek; Mountainview; Robertson; Millburne; Black's Fork. Notes of samples, sample nos. 1-6a. photographs list; automobile record.
- NO-08325 No. 2. 1930. Bridger Basin, Wyo. – continuation from preceding notebook. Notes on cobbles at Bridger Bench localities. Geologic and stratigraphic notes, sketches. Localities include Black's Fork; Sage Creek; Sage Creek Butte; Church Buttes; northwest from Green River City; Smith's Creek; Cottonwood Creek; Little Dry Creek; Phil Pico Mountain. Also, Bishop conglomerate; Bald Range; Phil Mass Mountain; Green River section along Green River just north of Flaming Gorge; Henry's Fork; Richard's Peak massif; Aspen Mountain; Miller Mountain; White Mountain; Little Mountain; area near Opal. Notes of samples, sample nos. 7-39. Photograph record; auto record.

NO-08326 No. 3. 1930. Bridger Basin, Wyo. Five pages of geologic notes. Sample descriptions, sample numbers 40-48. In back of notebook are Photograph record and Auto record.

NO-08327 Eight vertical angle traverse books labeled "Bridger Basin, Wyoming, 1930."

Published as: U. S. Geological Survey. Professional Paper 185-I. 1936. Geomorphology of the north flank of the Uinta Mountains.

### **GEOLOGY OF THE WASHAKIE BASIN. CARBON AND SWEETWATER COUNTIES, WYOMING, AND MOFFAT COUNTY, COLORADO. 1933.**

NO-02086 Bradley, W.H. Notebook 1. 1933. There is an index sheet in the front of this notebook. Geologic and stratigraphic notes and sketches, measured sections, notes on samples, and a list and description of photos taken. Localities include Fossil Basin, Fossil Fish Cliffs, Hertley Creek, Twin Creek, Fontanelle Creek, north of Dad, east face of Haystack Mountain, Baggs anticline, junction of Red and Sand Creeks, Powder Wash anticline, Antelope Springs. Only section number, township, and range identify many locales. Station location numbers B1 – B190 (some numbers are lacking); sample numbers 2-26.

NO-02087 Notes by Frank S. Parker. Washakie Basin. 1933. Geologic and stratigraphic notes and sketches, structure notes and sketches. Station locations F1 – F71. There are also 5 vertical angle traverse books with notes by Parker and Bradley, for Fossil Syncline, and Fossil and Washakie Basins.

NO-08490 Typed, final edited text for published oil and gas map.

MA-00362 Geology of the Washakie Basin, Wyoming and Colorado one linen layout map of oil and gas investigations preliminary map 32.

Published as: U.S. Geological Survey. Oil and Gas Investigations Preliminary Map no. 32. 1945. Geology of the Washakie Basin, Sweetwater and Carbon Counties, Wyoming, and Moffat County, Colorado

### **FOSSIL BASIN AND SYNCLINE, AND WEST MARGIN OF BRIDGER BASIN. LINCOLN COUNTY, WYOMING. 1937, 1957.**

NO-07712 W.H. Bradley. Book 1. 1937. Geologic, sample, and traverse notes; stratigraphic sections; sketches; station numbers B2-B33, D1-D423; list of photos taken;

NO-07713 W.H. Bradley. Book 2. 1937. Inside cover: "Fossil Syncline, Wyo."; also includes notes on Fossil Butte. Geologic, sample, and traverse notes; stratigraphic

sections; sketches; station numbers D423-D707, B34-B36; list of “Photos that should be taken”;

- NO-07714 Dodge 1937. Bradley 1957. Geologic and traverse notes, stratigraphic sections. Jurassic Island, west margin of Bridger Basin – detailed survey at end of 1937 by W.H. Bradley; includes sketches, station numbers B37-B110. May 1957 – notes on samples 1-18; also, a few miscellaneous notes.
- NO-07715 Envelope with 9 vertical angle books dated 1937: Fossil Basin (3) and Fossil Syncline (6). Also, note from Bradley to Joshua Tracey about the plane table sheets described below.
- MA-01404 Six plane table sheets with mapping on both sides, “on some of which Bradley was mapping in Wasatch-Green River contacts, especially around and north of Fossil Butte” (Joshua Tracey, USGS, pers. comm., September 1991).

**GEOLOGY OF THE BRIDGER BASIN AND GREEN RIVER  
FORMATION. SOUTHWESTERN WYOMING AND ADJACENT AREAS  
IN COLORADO AND UTAH. 1925, 1928.**

- NO-08319 No. 1. 1928. Geologic and stratigraphic notes; some notes and/or comments added by Bradley in later years and are so dated. First two sheets titled “Green River Formation” dated 5/19/25. Measured sections include: about 5 miles west of Rock Springs, east of town of Green River, 14 Mile Spring, Boar’s Tusk section, Sage Creek section. Sample nos. 1-43. Also, photograph record.
- NO-08320 No. 2. 1928. Geologic and stratigraphic notes; some notes and/or comments added by Bradley in later years and are so dated. Begins with continuation of Sage Creek section. Includes sections at Green River City, Wasatch planetable section at Lionkol Junction, Wasatch section along Salt Wells Creek, north of Rife’s Ranch, Wasatch section from Sage Creek Road just west of Aspen Mountain or west of Kappa’s ranch to a point on the Green River a few miles south of Wilkins Peak, partial section on east side of Red Creek Basin (west flank of Pine Mountain), Richards Mountain, Lancy section north of “Half Breed” Lake. Also, descriptions of samples, sample nos. 44-93; photograph records.
- NO-08321 No. 3. 1928. Geologic and stratigraphic notes; some notes and/or comments added by Bradley in later years and are so dated. Locations include: Bitter Creek 4 miles south from town of Bitter Creek; Morrow Creek member at type locality; Bridger Formation at Tule Butte; Pilot Butte; Alkali Butte; south of Green River City; Wilkins Peak; Bridger section at Oregon Buttes; reconnaissance from Peru along Black’s Fork to Gray Cone; Bridger section at Twin Buttes; Morrow Creek section east of Twin Buttes; and others. Descriptions of samples, sample nos. 94-166. Photograph record; auto record.

- NO-08322 No. 4. 1928. Geologic and stratigraphic notes; some notes and/or comments added by Bradley in later years and are so dated. Locations include: Green River at Henry's Fork; Fontanelle tongue in various locations; east of Quealey Peak; along Opal-Slate Creek Road; section at Fossil Butte; others. Descriptions of samples, sample nos. 167-193. Photograph record; auto record.
- NO-08323 Three vertical angle traverse books labeled "Wyoming. Oil Shale. 1928."
- MA-02511 Field sketches for Rio Blanco County, Colorado. 1924.

**STUDIES AT NANTUCKET ISLAND. NANTUCKET COUNTY,  
MASSACHUSETTS. 1948.**

- NO-08316 Notes by W.H. Bradley. Pocono Point spit; Five Fingered Point; Bass Point; Great Point; location points 1-89. Includes descriptive notes; notes on water lines, tide lines, winds; beach topography; soundings at Pocono Point and other areas; Pocono tide gauge. Notes on current readings, water samples, and drift observations.
- NO-08317 Notes by Anne Bradley. General geologic notes; wind data; Pocono tide gauge notes.
- NO-08318 Two vertical angle books. Book 1 and Book 2. W.H. Bradley, Chief of Party, and Anne Bradley, Instrument Man. Also, copy of USGS stadia tables.

**PHYSICAL AND ECOLOGICAL FEATURES OF THE SAGADAHOC BAY  
TIDAL FLAT. SAGADAHOC COUNTY, MAINE. 1949-1955.**

- NO-01980 Sagadahoc Bay, Maine. No. 1, July 8 – August 3, 1945. W.H. Bradley. Notes and sketches of the physical and ecological features of the Bay; notes on currents and tides; notes on the tidal flat and its features and characteristics; traverse notes. Notes on samples, including microscopic examinations. Station numbers B 1-69, 95-123, 149-330, 357-787. Sample numbers 1-3;
- NO-01981 Sagadahoc Bay, Maine. No. 2. August 4 – August 30, 1949. W.H. Bradley. Notes and sketches of the physical and ecological features of the Bay; notes on the tidal flat and its features and characteristics; notes on live specimens collection; descriptions of photographs taken. Station numbers 788-1224;
- NO-01982 Sagadahoc Bay, Maine. No. 1. 1950. W.H. Bradley. Notes and sketches of the physical and ecological features of the Bay; notes on the tidal flat and its features and characteristics. Notes on worms, clams, etc. found in tidal flat sampling holes, and general stratigraphy in these holes. Holes 1-49. Also, gemma counts at sites W 1-51, 116-130;

- NO-01983 Sagadahoc Bay, Maine. No. 2. 1950. W.H. Bradley. Notes and sketches of the physical and ecological features of the Bay; notes on the tidal flat and its features and characteristics. Notes on stratigraphy and presence of clams, worms, etc. in sampling holes; holes H 21-22, 26, 31-33, 50-51. Also, gemma counts at sites W 52-115. Also, vertical angle data (?) on Little River. Also, notes on mapping of gemma extent; observations of tidal flat after Hurricane Carol;
- NO-01984 Sagadahoc Bay, Maine. No. 1. 1951 and 1952. W.H. Bradley. Notes and sketches of the physical and ecological features of the Bay; notes on the tidal flat and its features and characteristics. Notes on effects of tide and water on gravel piles and patches laid out by Bradley. Notes on sonic depth traverses. Also, descriptions of photographs taken;
- NO-01985 Sagadahoc Bay, Maine. No. 2. 1952. W.H. Bradley. Notes and sketches of the physical and ecological features of the Bay; notes on the tidal flat and its features and characteristics. Continued notes on sonic depth traverses; notes on sand and gravel plots laid out by Bradley and effects of tide and water; notes on current cross measurements;
- NO-01986 Sagadahoc Bay, Maine. No. 3. 1952 – Gould, and 1955, No. 2, Bradley. Notes and sketches of the physical and ecological features of the Bay; notes on the tidal flat and its features and characteristics. Notes on shallow water current studies; geophysical work; notes on traverse of East line profile; notes on shells collected along Upper Landing Creek (“C14 age collection”); notes on experiment regarding gemmas’ viability in diluted sea water;
- NO-01987 Sagadahoc Bay, Maine. No. 1. 1953. These notes may be by Charles E. Knox. Notes and sketches of the physical and ecological features of the Bay; notes on the tidal flat and its features and characteristics. Current velocity measurement and survey along with notes on water depth and salinity. “Diary” on last 2 pages of notebook gives chronological summary of activities, July 1 – July 26, 1953;
- NO-01988 Sagadahoc Bay, Maine. No. 2, 1953. These notes may be by Charles E. Knox. Notes and sketches of the physical and ecological features of the Bay; notes on the tidal flat and its features and characteristics. Continuation of current velocity measurement survey; notes and sketches on tide levels, exposed rocks. Toward back of notebook are several pages of notes on weather conditions during the winter of 1951-1952;
- NO-01989 Sagadahoc Bay, Maine. 1954, No. 1. Notes by W.H. Bradley and Peter Cooke. Notes and sketches of the physical and ecological features of the Bay; notes on the tidal flat and its features and characteristics. Notes on gemma shell distribution by depth in cores, core numbers C-1 – C-34;

- NO-01990 Sagadahoc Bay, Maine. 1954, No. 2. Notes on gemma population count and on mapping of the population. Station locations A1 – L11;
- NO-01991 Sagadahoc Bay, Maine. 1955. Notes and sketches of the physical and ecological features of the Bay; notes on the tidal flat and its features and characteristics. Notes on gemma shell distribution by depth, from cores; core numbers C1 – C34;
- NO-01992 Sagadahoc Bay, Maine. 1955, No. 1. W.H. Bradley. July 4 – August 10, 1955. Temperature at station numbers P 1-14; notes on transit traverse; gemma counts at G1 – G11;
- NO-01993 Sagadahoc Bay, Maine. 1955. Notes and sketches of the physical and ecological features of the Bay; notes on the tidal flat and its features and characteristics; gemma data; notes on samples 1-30; observations on gemmas; counts in cores, pits, and sand ripples – station locations A through R;
- NO-01994 Sagadahoc Bay, Maine. 1949. Twelve vertical angle books for Boothbay quadrangle, with work by A.B. Bassett, W.H. Bradley, and W.H. Condon;
- NO-01995 Sagadahoc Bay, Maine. 1950, 1951. Nine vertical angle books;
- NO-01996 Sagadahoc Bay, Maine. 1952-1953. Eight vertical angle books with work by H.R. Gould and Peter Cooke;
- NO-01997 Sagadahoc Bay, Maine. 1954-1955. Eight vertical angle books by W.H. Bradley and Peter Cooke; additional mapping notes; notes on calculating the average population of a past community, plus 2-page letter dated December 12, 1954, to Bill [W.H. Bradley] from “Mosher.”

**GEOLOGIC NOTES ON THE GREEN RIVER FORMATION, UINTA BASIN DISTRICT, COLORADO AND UTAH. 1925.**

- NO-10032 Notes in the Uinta Basin, Colorado and Utah.
- NO-10033 Notes on a section along the road from Castlegate to the head of Indian Canyon.
- NO-10034 Notes on the Horse Bench section near Desolation Canyon, Utah.
- NO-10035 Miscellaneous notes: Green River Formation in Coyote Basin; road north of Soldier Summit, Utah; reconnaissance down Gate Canyon, Utah.

**GEOLOGIC NOTES FOR ALCOVA DAM AND RESERVOIR SITES, NATRONA AND CARBON COUNTIES, WYOMING. 1929.**

NO-08004 Field notes for dam and reservoir geology.

MA-02512 Field sketches Alcove Dam, Natrona and Carbon Counties, Wyoming. 1929.