



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

FRANÇOIS EMILE MATTHES
(1874-1958)

NOTES, CORRESPONDENCE, PAPERS

1901 - 1946

(2.5 linear feet)

Matthes, a native of Holland, came to the United States at age 17 and graduated from the Massachusetts Institute of Technology in 1895. He became a U.S. citizen in 1896 and in that year joined the Topographic Branch of the U.S. Geological Survey. He gained a national reputation as a topographer through his work in Wyoming, Glacier National Park, the Grand Canyon, and Yosemite National Park. In 1913 he became a geologist and geomorphologist with the U.S. Geological Survey, undertaking studies in the Mississippi River Valley, Wyoming, and the Grand Canyon. He is most well known for his studies of glaciers and glacial landforms in the western United States, especially in Yosemite Valley and other areas in the Sierra Nevada Mountains of California.

INVENTORY

By

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Revised and Edited by Glenn S. Cook
U.S. Geological Survey Field Records Library
MS 914, Box 25046, Federal Center
Denver, CO 80225-0046
April 2007

Location of Field Notebooks Boxed Pending Transfer

Box 1

Item

Number

Description

MISSISSIPPI RIVER VALLEY STUDIES 1928-1933

- NO-01535 Notebook on Mississippi Valley in Arkansas, Illinois, Iowa, Kentucky, and Missouri. Includes geologic and section data, well logs. 1928.
- NO-01536 Notebook on Mississippi Valley in Arkansas, Kentucky, Louisiana, Mississippi, Missouri, and Tennessee. Includes geologic data, photo and specimen lists. 1928-1929.
- NO-01537 Notebook on Mississippi Valley in southeastern Missouri, and Alexander County, Illinois. Includes notes on geomorphologic studies in the Mississippi Valley, specimen data, well data, and road traverse data. 1929.
- NO-01538 Envelope with small memorandum notebook of miscellaneous data and specimen list; notebook on Mississippi Valley in Illinois, Kentucky, and Missouri. 1930, 1933.
- NO-01539 Notebook on Illinois, Indiana, Kentucky, and Scott County, Missouri. Includes notes on geomorphologic studies along the lower Ohio River and lower Wabash River, specimen data. 1930-1932.
- NO-01540 Notebook on Mississippi Valley in southeastern Missouri, Arkansas, and Tennessee. Includes geologic notes, station numbers 35-214, specimen numbers 9-32 through 26-32. 1932.
- NO-01541 4 envelopes with fossil and specimen reports; review comments on articles; correspondence.

**NOTES TAKEN IN THE ATLANTA DISTRICT DE KALB COUNTY,
GEORGIA. 1918.**

- NO-07450 Five pages of general geologic notes covering Pine Mountain, Black Jack Mountain, Kennesaw Mountain, and Stone Mountain, with observations on exfoliation of granite and the methods of quarrying such granite.

Published as: U.S. Geological Survey. Special Topographic Maps. 1918. Camp Gordon and vicinity, Georgia.

**MONO LAKE AND BASIN, MONO COUNTY,
CALIFORNIA 1908, 1934, 1937**

- NO-07451 Envelope with:
- 2-page handwritten draft by Matthes, "Interpretation of fluctuations of Mono Lake during Pleistocene Times";
 - handwritten copy of Gauge Readings in Mono Lake, for 1926-1937, having 2-3 readings per year;
 - typed log of Sierra Well, drilled in sec. 11, T. 2 N., R. 26 E., Mono Basin, 1908.

OWENS LAKE, INYO COUNTY, CALIFORNIA 1926, 1927, 1931, 1939

- NO-07452 Envelope with materials regarding wells drilled in Owens Valley and in the Owens Lake vicinity:
- correspondence;
 - well logs;
 - notes

**TOPOGRAPHIC MAPPING IN MOUNT RAINIER NATIONAL
PARK, PIERCE COUNTY, WASHINGTON
1901, 1910-1911, 1937-1939**

- NO-07453 Expandable envelope with:
- Folder #1 – Correspondence carbon copybook for 1901, while Matthes was doing topographic mapping in Mt. Rainier National Park. Includes orders for camp supplies, letters on administrative matters to Thos. G. Gerdine, Geographer, USGS, and others.
- Folder #2 – Correspondence carbon copybook for 1910-1911, while Matthes was doing topographic mapping in the Park. Includes orders for camp supplies, inquiries regarding winter pasturage for his horses and mules, letters on administrative matters.
- Folder #3 – Letters and copies of replies, 1937-1939, regarding Matthes' topographic work in the Park, and his pamphlet for the National Park Service, Mount Rainier and Its Glaciers, published in 1914.

**TOPOGRAPHIC MAPPING IN MONTANA, VIRGINIA, AND WEST
VIRGINIA, AND AT THE GRAND CANYON, ARIZONA, AND OTHER
CORRESPONDENCE 1901-1905, 1907-1909, 1935, 1937**

- NO-07454 Expandable envelope with:
- Folder #1 – Correspondence carbon copybook for 1901-1905. Letters regarding topographic mapping in Montana (1901); topographic mapping at the Grand

Canyon, Arizona (1902-1905); miscellaneous items (1905);
Folder #2 – Correspondence carbon copybook for 1907 and 1909. Includes letter to Willard D. Johnson regarding glaciation at Yosemite Valley (1907); List of Atlas Sheets for Exhibition Set; letters regarding topographic mapping in the area of Bramwell, West Virginia and mention of work in the Fayetteville 15' quadrangle, West Virginia (1909);

NOMENCLATURE IN THE HONEYBROOK AND PHOENIXVILLE 15' QUADRANGLES, PENNSYLVANIA 1935

NO-07455 Notes and memoranda regarding a proposal by Florence Bascom to substitute the name *Chambersburg peneplain* for the old name *Harrisburg peneplain*, in the report on the Honeybrook and Phoenixville 15' quadrangles.

Published as: U.S. Geological Survey. Bulletin 891. 1938. Geology and mineral resources of the Honeybrook and Phoenixville Quadrangles, Pennsylvania.

CORRESPONDENCE RELATING TO SEQUOIA, YOSEMITE, AND KING'S CANYON NATIONAL PARKS IN CALIFORNIA, GLACIER NATIONAL PARK IN MONTANA, AND ROCKY MOUNTAIN NATIONAL PARK, COLORADO AND RELATED TOPICS 1913- 1914, 1916, 1935-1938, 1940

NO-07457 Expandable envelope with:
Folder #1 - Carbon copybook for 1913-1914, 1916. Letters regarding work at Yosemite and Mt. Rainier National Parks; glaciation studies;
folder #2 - Letters for 1935, regarding work at Sequoia and Yosemite National Parks;
folder #3 - Letters for 1935-1936, regarding work at Yosemite and Sequoia National Parks;
folder #4 - Letters for 1937, concerning work at Yosemite National Park, geologic photo albums for Sequoia National Park, proposed glaciation exhibit at Rocky Mountain National Park.

NO-07458 Expandable envelope with:
Folder #1 - letters for 1938, regarding exhibits and trail guides at Yosemite National Park, work in San Joaquin Basin and at Sequoia National Park, plus information on Yosemite School of Field Natural History;
folder #2 - Letters for 1940, regarding glaciation studies, geologic work in Sequoia, King's Canyon, and Yosemite National Parks.
Correspondents include:
- C.A. Harwell, Park Naturalist at Yosemite;
- C.G. Thomson and Lawrence C. Merriam, Superintendents at Yosemite;
- Frank Been, Park Naturalist at Sequoia;

- Earl Trager, Chief, Naturalist Division, National Park Service;
- John R. White, Superintendent at Sequoia;
- John C. Merriam, President, Carnegie Institution of Washington;
- W.C. Alden, G.F. Loughlin, W.C. Mendenhall, and other colleagues at the U.S. Geological Survey.

**GEOMORPHOLOGY AND GLACIAL RECONNAISSANCE OF SEQUOIA
NATIONAL PARK AND VICINITY. TULARE COUNTY, CALIFORNIA
1925, 1935-1937**

- NO-07459 Small notebook: On General's Highway, July 8, 1935; inventory and rations list; 1935-1936 itineraries between Washington, D.C. and Sequoia National Park, and to field conference at Sonora, California; Sequoia National Park. 1936. Geomorphology notes; notes on airplane flight from Lone Pine to High Sierra and back, June 21, 1936; Trail to Watchtower; Yosemite Valley, 1936. Glacier Point, Mariposa Grove; one-third page on Ghost Trees in Mono Lake – October 8, 1937.
- NO-07460 Notebook. Notes by William Albee. 1925. Notes on geomorphology and glacial landscapes. Locales include: South Fork of Sugarloaf Creek, Upper end of Sugarloaf Creek, East Fork of Sugarloaf Creek, Bog Creek Canyon, Glacier Ridge Lakes emptying into Deadman Canyon, Cloud Canyon, Josephine Lake and 2 lakes above, King's River Canyon, Copper Creek, Granite Basin, Lewis Creek Basin, Ridge South of Cedar Grove, Fin Dome to Pass East of Mt. Gardner, Rae Lakes to upper end of Woods Creek, East Lake to Harrison Pass, Road from Alder Creek to Giant Forest, Indian Basin lava flow, San Jacinto Peak.
- NO-07461 No. 6. 1925. Sequoia National Park. Kings River Basin. Section across Timber Gap; notes at Sequoia National Park, June 9 through September 1, 1925, on glaciation and geomorphology: Giant Grove to Merten Meadow, Redwood Meadow to Hamilton Lakes, Redwood Meadows, J-O Pass and Kettle Peak, Muir Grove, Dorst Creek and Cabin Meadow, Stony Creek Meadow, Shell Mountain, from Horse Corral Meadows to Boulder Creek, Kings River Canyon, Rowell Meadow, Sugar Loaf valley and vicinity, Ferguson creek Canyon, Roaring River Canyon, Deadman Canyon, Cloud Canyon, Bird Lake and Table Land, Wildman Meadows and vicinity, Grand Dike, Kearsarge Lakes and Pass, Charlotte Lake and vicinity, Center Basin and the Videttes, Glenn Pass and vicinity, East Lake and vicinity, Reflection Lake, Hume and vicinity, Boulder Canyon. Includes some sketches, extended notes on circular basins on top of large glacial erratics near Redwood Meadows and their use by Indians, plus notes on a number of perched boulders at the base of Sugar Loaf.
- NO-07462. No. 1. Geomorphologic Reconnaissance of Sequoia National Park, California. July 13 – September 5, 1935. Notes on glaciation and geomorphology: Moro Rock, Crescent and Log Meadows, traverse along North Fork Road to Admiration Point, General Grant National Park, Emerald Lake, the Watchtower, Alta Peak, High Sierra Trail from Giant Forest to Redwood Meadows, valleys of Cliff and

Deer Creeks, headwaters of Rattlesnake Creek, Chagoopa Plateau, Gig Arroyo, Kaweah Gap and Hamilton Lake, Kern River Canyon, Tyndall, Wallace, and Wright Creeks and vicinity, Crabtree Creek valley, Whitney Creek and Mt. Whitney, area between Crabtree and Rock Creeks, Kern Lakes and vicinity. Also, descriptions of photos taken.

NO-07463 No. 2. Geomorphologic Reconnaissance of Sequoia National Park, California. September 9 – October 13, 1935. Notes on glaciation and geomorphology, list of rock specimens, descriptions of photos taken – Kern River Canyon near and below Kern Canyon Ranger Station; Kern Canyon from Park boundary southward; Basin of Coyote Creek; Little Kern Basin; Hockett Meadows and vicinity; General’s Highway from Giant Forest downward, Hospital Rock; Beetle Rock, near Giant Forest; Crystal Cave; Indian rock basins near Crescent Meadow; Potwisha to Ash Mountain.

NO-07464 No. 3. Geomorphologic Reconnaissance of Sequoia National Park, California, November 26 through December 1, 1935, and May 24 through July 16, 1936. Notes on geomorphology and glaciation – Canyon of South Fork of Kaweah River; Lower Kaweah Canyon; notes on Table Mountain near Sonora; Mineral King and vicinity; Hamilton Lake; Bearpaw Dome; Summit Lake and vicinity; descriptions of specimens of petrified wood “imported into the Sierra”; descriptions of photos taken.

Box 2

NO-07465 Sequoia National Park. Expandable envelope with:

- folder #1 - notes from published sources, drafts of sections for report;
- folder #2 – Contents removed; extraneous published articles and reprints.
- folder #3 – Geology of Sequoia National Park. Rocks, Weathering, etc. Drafts of manuscript on internal structure of the Sierra Nevada; drafts related to Sequoia report; notes from published sources; correspondence including letter dated April 21, 1936 from Cordell Durrell with descriptions of the rocks of the Kaweah Series; memo reporting results of microscopic study of rock specimens, letters regarding mineral and fossil fauna identification, letter from Durrell describing rocks in Kaweah Canyon near Three Rivers;
- folder #4 – Notes by Matthes on Robert W. Webb’s manuscript, “Geomorphology of the Middle Kern River Basin, Southern Sierra Nevada, California” prepared at the “request of Dr. Aldrich and sent to him with the paper on Feb. 19, 1934”; notes from Webb’s manuscript for Matthes’ Sequoia Report. (Webb manuscript was published as “Geomorphology of the Middle Kern River Basin, Southern Sierra Nevada, California” in Geological Society of America. Bulletin, v. 57, no. 4 (April 1946), pp. 355-382).

Published as: U.S. Geological Survey. Professional paper 504-A. 1965. Shorter contributions to general geology, 1964. Glacial Reconnaissance of Sequoia National Park, California.

**RECONNAISSANCE OF THE GEOMORPHOLOGY AND GLACIAL
GEOLOGY OF THE SAN JOAQUIN BASIN, SIERRA NEVADA. FRESNO
AND MADERA COUNTIES, CALIFORNIA 1915-1946**

NO-07466 Expandable envelope with:
Folder #1 – 49 sheets of field notes of the San Joaquin Basin, 1921-1923, with station/locality identification, covering geology, geomorphology, and glaciology – Junction Bluffs, Pincushion Peak and vic., Cassidy Meadow, Seldon Pass and vic., Glacier Divide and Piute Basin, boulder pavements, Black Peak and vic., Kaiser Crest and Ridge, Chiquito Basin, depth of canyon cutting since earlier ice epoch, notes en route from Fresno to Shaver via Auberry and Curlew Meadow (Friant and Academy quadrangles); Big Creek (Cascade), San Joaquin Canyon, Recent Rock Slides in Yosemite Valley (information from Herbert Wilson), Illilouette Ridge, summary of theories of origin of Yosemite Valley, Beaver Meadows, Upper Chiquito Basin, Huntington Lake and vic., Twin Lakes basin (Kaiser Crest), Hoffman Meadows and vic., Rattlesnake Bridge on the San Joaquin River, Chilnualna Basin;
Folder #2 – San Joaquin Basin. Geomorphology. Notes and drafts for report; carbon copy of letter to Waldemar Lindgren, MIT, dated Nov. 2, 1915 discussing points raised regarding successive uplifts of the Sierra Nevada; notes for “2d lecture before Sierra Summer School (State Teachers College), Lakeshore Calif.,” 1927; 3 sheets entitled “Field notes on Kern Canyon, 1935”; Kernbut problem – excerpt from letter to Louderback, Dec. 2, 1943;
Folder #3 – San Joaquin Basin. Bibliography. List of titles on San Joaquin Basin; notes from various published sources;
Folder #4 – San Joaquin Report. In Production. Drafts of different sections of the report.

NO-07467 Expandable envelope with:
Folder #1 – Kings Canyon National Park. Notes and other information on natural history and geology.
Folder #2 – San Joaquin Basin. Vegetation. Article entitled “Base Camp Botany, 1946” by John Thomas Howell listing plants collected or noted on the Sierra Club’s 1946 Base Camp. Matthes’ note: “Flora of region at heads of Mono Cr. And Rock Cr. (Mt. Goddard Quad)”;
Folder #3 – Lists of photos to be used in report.
Folder #4 – San Joaquin Basin. Rocks, Weathering. Letter from D.H. Redinger, Resident Engineer, Southern California Edison Co., Big Creek, California, dated Sept. 15, 1924 and copy of Matthes’ reply dated Sept. 22, 1924, regarding glacial moraines and volcanic rocks in Vermilion Valley; drafts of sections of report; notes from publications; letter dated August 8, 1942 from Joe Dixon, Berkeley, California, regarding geology in extreme northern portion of Kings Canyon National Park; list of rock specimens collected the summer of 1927; “Seams Encountered in the Huntington-Pitman-Shaver Tunnel”;
Folder #5 – drafts of sections for report;
Folder #6 – Photographs removed for transfer to NARA Still Pictures Branch.

- NO-07468 Expandable envelope with:
 Folder #1 – San Joaquin Basin. Climate. Includes data on climate in Basin.
 Folder #2 – Devil’s Postpile. Notes from published sources; copies of abstracts relating to the Devil’s Postpile National Monument;
 Folder #3 – San Joaquin Report. Matthes’ Outline, letters, etc. Includes memo from Clarence S. Ross regarding microscopic examination of granite sand from Half Dome; draft table of contents for reports; memo on geologic projects in national parks; notes regarding Sierra uplift;
 Folder #4 – San Joaquin Basin. Geography. Includes notes from publications; drafts for sections of report.
- NO-07469 Notebook. San Joaquin Basin. 1927. Notes on geomorphology and glaciation – Huntington Lake area, Kaiser Peak, Nelly Lake and vic., Line Creek Basin, Chinese Peak and vic., dimensions of glaciers of the San Joaquin Basin, Dinkey Creek and vic., Big Creek valley, notes on scaling of massive granite at south foot of Kaiser Crest (near Lakeshore).
- NO-07470 Notebook. Yosemite Region. Middle Fork San Joaquin. 1932. Notes taken on Scout Naturalist Excursion, Yosemite to Little Yosemite, including notes on photos taken; Yosemite Tunnel, notes on photos taken; Cold Canyon, Virginia Canyon to Matterhorn Canyon; The Buried Forest on Mt. Hood; country below Lyell Glacier; Agnew Pass and vic.; sketches of gouges in metamorphic volcanic rock made by glacial action; San Joaquin Mountain and vic.; cirque at head of Shadow Creek; geologic notes on High Sierra hiking circuit; Mammoth Pass.

Published as: U.S. Geological Survey. Professional paper 329. 1960. Reconnaissance of the geomorphology and glacial geology of the San Joaquin Basin, Sierra Nevada, California.

GEOLOGIC RECONNAISSANCE AND GLACIAL GEOLOGY OF YOSEMITE NATIONAL PARK AND VICINITY, SIERRA NEVADA, CALIFORNIA 1913-1937

- NO-07471 Notes from published sources relating to geology of the Sierra Nevada, origin of Yosemite Valley, mechanisms of igneous intrusions, origin of hanging valleys and fjords, and other topics in physical geography.
- NO-07472 Notes on geology and glaciation in Yosemite Valley and vicinity.
- 1913 – El Portal and vicinity;
 - 1914 – Merced Gorge below El Portal;
 - 1916 – Moraines of Big Meadow lobe, Grouse Creek Valley, Turtleback Dome;
 - 1914 – Wawona Road; Oakflat Road; Tamarack Creek and vicinity; North Dome and vicinity; Snow Creek Valley;
 - Snow Creek Valley and Glacier, 1913;
 - Mt. Watkins, Yosemite Creek Glacier; Yosemite Valley floor; El Capitan and vicinity; glacial grooves;

- Yosemite Falls and vicinity, Cathedral Rocks;
- 1913 – Glacier Point – Illilouette Falls, Sentinel Dome moraines; Indian Creek Basin; Vernal Falls;
- 1913 – Nevada Falls, Half Dome, Tenaya Canyon, Clouds Rest, Moraine Dome, Little Yosemite Valley, Illilouette Chasm and Valley, Mono Meadows, Mt. Clark and vicinity, Horse Ridge, Merced Basin and Canyon, Foerster Peak, McClure Fork Region, Tuolumne Meadows and Tuolumne River and vicinity, Cathedral Peak and vicinity, Upper Tuolumne Basin, Vogelsang Peak, Koip Peak and icefield, Cascade Creek Basin, Lukens Lake, Mt. Hoffmann and vicinity, Grant Lakes and vicinity, Harden Lakes and vicinity, east from White Wolf, Smith Meadow and vicinity, Hog Ranch and vicinity, Ackerson Meadow, Ascension Mountain, Hamilton Station and vicinity (Sonora quadrangle), Hetch Hetchy, Tiltill Valley, Rancheria Mountain. Includes station numbers, notes on specimens, sketches.

- NO-07473 No. 1 - , 1913 - . Sheet listing photographic views taken July 14-15, 1913 at Yosemite; loose sheets with notes on Merced Canyon below El Portal, Supplies Inventory, names of packers in Sierra Nevada, notes taken along “Yos. Valley R.R.”; copy of note left by Matthes on Koip Peak, September 8, 1914; copy of record left by Matthes on Mt. Clark, August 17, 1914; copy made August 17, 1914 of oldest record found on Mt. Clark; “Moss as an arrester of degradation” – 1 sheet.
- NO-07474 No. 4. 1921. Table Mountain, South Fork Merced River. Draft of “The Evolution of the Glacial Cirque”; notes on Sonora District (1921) and on specimens taken; section at Springfield Tunnel and Development Company, Springfield, Tuolumne County; notes regarding Summit of Half Dome, Head of South Fork of Merced River, Johnson Lake Basin, Buck Camp and vicinity, Moraine Meadows and vicinity, Little Jackass Meadow and vicinity, Granite Creek Basin; comments on the pack train animals, Rainbow Fall, Devil’s Postpile. Includes station numbers, notes on specimens taken, sketches. Draft for beginning of “Mapreading and Mapmaking for Scouts”, draft for “The Fossil Sharksteeth, etc.” apparently regarding sharks teeth found in abundance at a summer Boy Scout camp “of the scouts of Washington, D.C.”
- NO-07475 No. 1. 1936. Geologic Reconnaissance of Northern Portion of Yosemite National Park. Loose sheets with notes on Wawona Road and Grouse Creek Valley; notes on Gold Mountain, Mt. Conness and vicinity, Virginia Canyon and vicinity, McCabe Lakes; notes on Shepherd Crest by Ernest Schulz; Matthes’ notes on Upper Virginia Canyon, Spitler Creek to Matterhorn Canyon, Smedberg Lake – Rodgers Lake and vicinity, Seavy Pass and Kerrick Canyon, Peeler Lake and Buckeye Pass, head of Thompson Canyon, Tilden Lake and vicinity, Haystack Peak and vicinity, Wilmer Lake and vicinity, Moraine Ridge and Frog Creek, Tiltill Valley and vicinity, Pleasant Valley and vicinity, Rancheria Mountain. Includes some notes of photos taken.
- NO-07476 NO. 2. 1936-1937. Yosemite National Park, Mono Lake, Lundy Canyon (also Rock Slides on Genera’s Highway, Sequoia National Park). Notes on rock

slides, 1936; Yosemite National Park. 1936 – Rancheria Mountain, Mt. Dana, local items in Yosemite National Park, Foot of Upper Yosemite Fall, Wawona Road – Effects of Road Grading, “alleged fossil wood near El Portal” – i.e. lime rock, Gin Flat. Notes in 1937 – Table Mountain above Friant, Miguel Meadow – Laurel Lake – Beehive, Jack Main Canyon, Tilden Lake, Keyes Peak and Saurian Crest, Dorothy Lake and vicinity, Huckleberry Lake and vicinity, Glacier Point – List of Tablets Required [for visitor information], Terminal moraine at B.V. Meadow, Roof pendant on 4-Mile Trail to Glacier Point, Yosemite Valley – talus; Mono Lake; Lundy Canyon; Conway Summit; list of Photographs in Sequoia National Park 1936. Notes include indications of photos and specimens taken. Group of loose sheets, Wawona and vicinity, including station numbers; sheet of Wawona Hotel stationary with notes on B.T. Trail.

NO-07477

Expandable envelope with:

Folder #1 – Yosemite Valley. 1937. Handwritten loose-leaf notes on: Occurrences of metamorphic rocks in and about the Yosemite Valley, Roof pendant on 4-Mile Trail, talus, glacier polish near Mirror Lake;

Folder #2 – Schulz, Ernest. Yosemite National Park. Rewritten from field notes. 1936;

Folder #3 - Big Oak Flat Road tunnel (Yosemite National Park). Handwritten draft of memorandum for Mr. Roach regarding findings during inspection of route for proposed 2,000-foot tunnel on this road;

Folder #4 – Miscellaneous and snow survey report. Includes carbon copy of typed report, “End of March Survey. Detailed Snow Survey Report. Yosemite National Park. Gives snow depth and water content for end-of-March dates, 1930-1936, at various locations in the Park;

Folder #5 – S. Taylor. Geology notes. Notes in the Yosemite area;

Folder #6 – Yellowstone. Correspondence. 1929-1937, bulk 1936-1937.

Includes copy of letter to Harwell at Yosemite National Park regarding height of hanging valley from which Sentinel Falls drop; draft of letter to John C. Merriam, Carnegie Institution, regarding Sentinel Dome project and other work at Yosemite; notes and letter on Height of Yosemite Falls and size of its ice cone; draft and copy of typed memorandum regarding methods of checking bank erosion along the Merced River; draft and typed carbon copy of memorandum regarding effects of construction of new Wawona Road on nearby water table and vegetation; inquiry and copy of Matthes’ reply regarding columnar basalt above Glen Aulin on Tuolumne River; letter to Eliot Blackwelder, Stanford University, discussing interpretations of the different moraines in the Yosemite region; two loose sheets of field notes on Chilnualna Falls and Creek; drafts regarding Matthes preparing report on San Joaquin Basin, contributing to 1933

International Geological Congress official guidebooks, resuming studies in the Mississippi Valley, and planning to conduct a group of Eagle Scouts on a 2-month camping trip through Yosemite National Park; notes on geology of Northern Part of Yosemite National Park (1936) transcribed from torn page of notebook; proposal for geological photo albums for Yosemite National Park; Yosemite School of Field Natural History – 1936 Schedule as well as group photo of class of 1937 plus class history. Group of notes by Ernest Schulz, Preliminary observations of the volcanics of Rancheria Mountain, Yellowstone National Park.

Published as: U.S. Geological Survey. Professional paper 160. 1930. Geologic history of the Yosemite Valley.

CASA DIABLO HOT SPRINGS AND GEYSER NEAR MAMMOTH LAKES, INYO RANGE, MONO COUNTY, CALIFORNIA 1938, 1940

- NO-07622 Expandable envelope with:
- typewritten draft of article, "The New Casa Diablo 'Geyser'" by Arthur H. Blake and François E. Matthes;
 - handwritten drafts of article by Matthes and Blake;
 - correspondence and other notes pertaining to the geyser and hot springs.