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FRANK LEVERETT
(1859 - 1943)

NOTES, CORRESPONDENCE, PAPERS

1886 - 1942

(11.7 linear ft. and 25 map folders)

Frank Leverett was born in Denmark, Iowa, in 1859. He studied at Denmark Academy, Colorado College, and Iowa State College, receiving a B.S. from the latter in 1885. Leverett served on the staff of the USGS from 1885 to 1929, rising in rank from field assistant to Senior Geologist during his 43-year career. Widely recognized as one of the world's leading authorities on Pleistocene glaciation, Leverett wrote prolifically on the subject, with some 170 publications and articles to his credit. From 1909 to 1929 he was a lecturer at the University of Michigan, where he was awarded an honorary Doctor of Science degree upon his retirement. Leverett was a fellow of the Geological Society of America and the American Association for the Advancement of Science, and a member of the National Academy of Sciences.

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
July 2002/February 2010

Location of Field Notebooks: CS 9-1 through 5

**STUDIES OF GLACIAL FORMATIONS, DRAINAGE FEATURES, AND
WATER SUPPLIES IN THE NORTH-CENTRAL AND NORTHEASTERN
UNITED STATES AND IN EUROPE. 1886-1929.**

<u>Item Number</u>	<u>Description</u>
NO-11201	Field notebook 1 with notes related to field investigations in Rock and Walworth Counties, Wisconsin. May 12-15, 1886.
NO-11202	Field notebook 1A with notes related to field reconnaissance in Winnebago, Boone, McHenry, and Kane Counties, Illinois. May 18-26, 1886.
NO-11203	Field notebook 2 with notes related to field reconnaissance in Boone, DeKalb, Ogle, Lee, and Kane Counties, Illinois. May 26- June 5, 1886.
NO-11204	Field notebook 3 with notes related to field investigations in Kane County, Illinois. June 7-15, 1886.
NO-11205	Field notebook 4 with notes related to field investigations in Kane, DeKalb, and McHenry Counties, Illinois. June 15-26, 1886.
NO-11206	Field notebook 5 with notes related to field investigations in McHenry, DeKalb, and Kane Counties, Illinois. June 26-July 5, 1886.
NO-11207	Field notebook 6 with notes related to field investigations in DeKalb, Ogle, and Winnebago Counties, Illinois. July 6-17, 1886.
NO-11208	Field notebook 7 with notes related to field investigations in DeKalb, Lee, Ogle, and La Salle Counties, Illinois. July 17- August 9, 1886.
NO-11209	Field notebook 8 with notes related to field investigations in Lee, DeKalb, and Kane Counties, Illinois. August 9-20, 1886.
NO-11210	Field notebook 9 with notes related to field investigations in Kane, Kendall, and LaSalle Counties, Illinois. August 21- September 15, 1886.
NO-11211	Field notebook 10 with notes related to field investigations in DeKalb, Kendall, LaSalle, and Grundy Counties, Illinois. September 15-29, 1886.
NO-11212	Field notebook 11 with notes related to field investigations in Kendall, Will, Grundy, LaSalle and Livingston Counties, Illinois. September 29-October 18, 1886.
NO-11213	Field notebook 12 with notes related to field investigations in Livingston, LaSalle, and Ford Counties, Illinois. October 18-30, 1886.

- NO-11214 Field notebook 13 with notes related to field investigations in Ford and Iroquois Counties, Illinois. October 30- November 6, 1886.
- NO-11215 Field notebook 14 with notes related to field investigations in Iroquois and Vermillion Counties, Illinois, and Benton County, Indiana. Also included are notes on drift near Dunlap, Peoria County, Illinois. November 6-15, 1886.
- NO-11216 Field notebook 15 with notes related to field investigations in Iroquois, Kankakee, and Ford Counties, Illinois. Also included are notes on a trip to Minonk, LaSalle, and Mendota, Illinois and Burlington, Iowa. November 15-25, 1886.
- NO-11217 Field notebook 16 with notes related to field investigations from Burlington, Iowa, to Aurora, Illinois. Also included are miscellaneous notes from Kane, DuPage, and Will Counties, Illinois. May 6-16, 1887.
- NO-11218 Field notebook 17 with notes related to field investigations in Will, Kankakee, DuPage, and southern Cook Counties, Illinois. May 16-June 3, 1887.
- NO-11219 Field notebook 18 with notes related to field investigations in DuPage and Cook Counties, Illinois. June 3-9, 1887.
- NO-11221 Field notebook 20 with notes related to field investigations in Cook, northeast Kane, eastern McHenry and Lake Counties, Illinois. June 16-23, 1887.
- NO-11222 Field note 21 with notes related to field investigations in Lake, northern Cook, McHenry Counties, Illinois, and Lake and Porter Counties, Indiana. June 23-August 6, 1887.
- NO-11223 Field notebook 22 with notes related to field investigations in Lake, Porter and LaPorte Counties, Indiana. August 6-16, 1887.
- NO-11224 Field notebook 23 with notes related to field investigations in La Porte County, Indiana and Berrien Co., Michigan. August 16-25, 1887.
- NO-11225 Field notebook 24 with notes related to field investigations in Berrien County, Michigan. August 25- September 6, 1887.
- NO-11226 Field notebook 25 with notes related to field investigations in Berrien and Van Buren Counties, Michigan. September 6-14, 1887.
- NO-11227 Field notebook 26 with notes related to field investigations in Van Buren County, Michigan. September 14-24, 1887.
- NO-11228 Field notebook 27 with notes related to field investigations in Van Buren and Allegan Counties, Michigan. September 24-October 3, 1887.

- NO-11229 Field notebook 28 with notes related to field investigations in Van Buren, Allegan, Kalamazoo, and Barry Counties, Michigan. October 4-13, 1887.
- NO-11230 Field notebook 29 with notes related to field investigations in Kalamazoo, Calhoun, Barry, Eaton and Ingham Counties, Michigan. October 13-25, 1887.
- NO-11231 Field notebook 30 with notes related to field investigations in Eaton, Calhoun, and Ingham Counties, Michigan. October 25- November 3, 1887.
- NO-11232 Field notebook 31 with notes related to field investigations in Ingham and Jackson Counties, Michigan. November 3-11, 1887.
- NO-11233 Field notebook 32 with notes related to field investigations in Jackson, Hillsdale, and Calhoun Counties, Michigan. November 11-22, 1887.
- NO-11234 Field notebook 33 with notes related to field investigations in Calhoun, Hillsdale, Branch and Kalamazoo Counties, Michigan. November 23, December 6, 1887.
- NO-11235 Field notebook 34 with notes related to field investigations in Kalamazoo, St. Joseph and Branch Counties, Michigan. Also included are notes from a trip from Three Rivers to Chicago. December 7-14, 1887.
- NO-11236 Field notebook 35 with notes related to Salisbury's manuscript on central Illinois, Wooster's on northwest Indiana and southwest Michigan, and Chamberlain's notebook for Ohio. Notes on a trip from Chicago to Elkhart, Indiana are included. June 5-12, 1888.
- NO-11237 Field notebook 36 with notes related to field investigations in Elkhart, Kosciusko, LaGrange, Noble, St. Joseph, and Steuben Counties, Indiana, and Berrien County, Michigan. June 13-22, 1888.
- NO-11238 Field notebook 37 with notes related to field investigations in Steuben, LaGrange, Noble, Kosciusko, Whitley, DeKalb and Allen Counties, Indiana. June 22- July 4, 1888.
- NO-11239 Field notebook 38 with notes related to field investigations in Allen, Whitley, Kosciusko, Marshall and St. Joseph Counties, Indiana. July 4-17, 1888.
- NO-11240 Field notebook 39 with notes related to field investigations in Marshall, Fulton, Starke, Wabash, Huntington, Adams, Allen and Wells Counties, Indiana. July 17-30, 1888.
- NO-11241 Field notebook 40 with notes related to field investigations in Adams, Wells, Allen, Huntington, Blackford, Jay and Randolph Counties, Indiana. July 31- August 10, 1888.

- NO-11242 Field notebook 41 with notes related to field investigations in Randolph, Blackford, Jay, Grant, Wabash, Miami, and Cass Counties, Indiana. Also included are notes from a trip to Ohio. August 11-29, 1888.
- NO-11243 Field notebook 42 with notes related to field investigations in Miami, Cass, Carroll and Clinton Counties, Indiana. August 29- September 10, 1888.
- NO-11244 Field notebook 43 with notes related to field investigations in Clinton, Tipton, Howard, Grant and Madison Counties, Indiana. September 10-22, 1888.
- NO-11245 Field notebook 44 with notes related to field investigations in Madison and Delaware Counties, Indiana. September 22-October 1, 1888.
- NO-11246 Field notebook 45 with notes related to field investigations in Madison, Hamilton, Boone and Marion Counties, Indiana. October 1-11, 1888.
- NO-11247 Field notebook 46 with notes related to field investigations in Marion, Boone, and Hendricks Counties, Indiana. October 12-22, 1888.
- NO-11248 Field notebook 47 with notes related to field investigations in Marion, Hendricks, Montgomery, and Putnam Counties, Indiana. October 23-November 2, 1888.
- NO-11249 Field notebook 48 with notes related to field investigations in Hendricks, Marion, and Morgan Counties, Indiana. November 2-12, 1888.
- NO-11250 Field notebook 49 with notes related to field investigations in Johnson, Shelby, Marion and Hancock Counties, Indiana. Also included are notes on a trip from Indianapolis to Decatur, Indiana. November 13-24, 1888.
- NO-11251 Field notebook 50 with notes related to field investigations in Edwardsville, Alton, St. Louis, Ft. Madison, Lee and Des Moines Counties, Iowa. Also included are notes on a trip to Wisconsin with waterworks and railway elevation data. November 24, 1888-May 4, 1889.
- NO-11252 Field notebook 51 with notes related to field investigations in Ogle, McLean, Champaign, Edgar and Vermillion Counties, Illinois. May 4-21, 1889.
- NO-11253 Field notebook 52 with notes related to field investigations in Edgar and Clark Counties, Illinois and Vigo, Clay, and Putnam Counties, Indiana. May 22-June 8, 1889.
- NO-11254 Field notebook 53 with notes related to field investigations in Putnam, Clay, Vigo, Parke and Montgomery Counties, Indiana. June 10-24, 1889.
- NO-11255 Field notebook 54 with notes related to field investigations in Montgomery,

Tippecanoe, Fountain and Parke Counties, Indiana. Also included are notes on a trip from Veedersburg, Indiana to Charleston, Shelbyville, Pana and Hillsboro, Illinois. June 24-July 8, 1889.

- NO-11256 Field notebook 55 with notes related to field investigations during a trip to Hillsboro, Litchfield, Springfield, Beardstown, Rushville, Bushnell, and Burlington, Illinois. Also included are "notes from Capt. Campbell". July 8-23, 1889.
- NO-11257 Field notebook 56 with notes related to field investigations near the towns of Dewey, Rantoul, and Alvin, Illinois and in Warren, Benton and Newton Counties, Indiana. July 23-31, 1889.
- NO-11258 Field notebook 57 with notes related to field investigations in Newton, Jasper, White, Tippecanoe, Pulaski, Fulton, Randolph, Wayne and Henry Counties, Indiana. July 31-August 23, 1889.
- NO-11259 Field notebook 58 with notes related to field investigations in Henry, Delaware, Wayne, Miami, and Randolph Counties, Indiana and Preble and Butler Counties, Ohio. Also included are notes on a trip from Winchester, Indiana to Toronto, Canada. August 23-September 12, 1889.
- NO-11260 Field notebook 59 with notes related to field investigations near Cincinnati, Ohio and in Franklin, Union, and Fayette Counties, Indiana. September 12-25, 1889.
- NO-11261 Field notebook 60 with notes related to field investigations in Franklin, Decatur, Bartholomew, and Jennings Counties, Indiana. September 25-October 7, 1889.
- NO-11262 Field notebook 61 with notes related to field investigations in Bartholomew, Shelby, Rush, Fayette, and Union Counties, Indiana and Butler County, Ohio. October 8-18, 1889.
- NO-11263 Field notebook 62 with notes related to field investigations in Butler, Hamilton, Warren, Montgomery, and Greene Counties, Ohio. October 18-31, 1889.
- NO-11264 Field notebook 63 with notes related to field investigations in Greene, Clinton, Warren, Fayette and Highland Counties, Ohio. October 31-November 14, 1889.
- NO-11265 Field notebook 64 with notes related to field investigations in Fayette, Highland, Ross and Pickaway Counties, Ohio. Also included are notes on a trip from Circleville, Ohio to Columbus, Akron, and Cleveland, Ohio; Rome, New York; and Pittsfield and Boston, Massachusetts. November 16- December 4, 1889.
- NO-11266 Field notebook 65 with miscellaneous notes on: "J.T. Campbell's levels", the

Wabash River, "list of striae", "profile across beds of the Great Lakes", "Davis's Lake Basin", "Indiana reports & Ohio reports on buried soil", and "Newberry, Winchell, Spencer, Whittlesey, etc. on Great Lakes history". Winter 1889-1890.

- NO-11267 Field notebook 66 with miscellaneous notes on: "Depth of drift in Indiana", "Notes from Indiana reports", "McGee's Columbia Formation", "Beetles from interglacial beds near Toronto", "Notes from Ohio reports", "Dr. Plummer's article American Journal Science: Well at Lafayette, Indiana". Winter 1889-1890.
- NO-11268 Field notebook 67 with miscellaneous notes on: "Shaler's Nantucket Island", "Hilgard's Geology of Mississippi Drift in Illinois", "Davis' Glacial Geology of Mississippi Drift in Illinois", "Table to show drift and rock surface in Indiana", "Striae in Indiana from 1880 Report", "Trip from Boston to Concord, New Hampshire, and return" Winter 1889-1890.
- NO-11269 Field notebook 68 with notes related to field investigations in Columbus, Franklin, Pickaway, Fairfield, Ross, Fayette, Pike, and Highland Counties, Ohio. Also included are notes on a trip from Boston, Massachusetts to Rome and Buffalo, New York. May 9-27, 1890.
- NO-11270 Field notebook 69 with notes related to field investigations in Highland, Adams, Brown, Clermont, Scioto, Pike, Ross, Pickaway, Franklin, and Licking Counties, Ohio. May 27-June 4, 1890.
- NO-11271 Field notebook 70 with notes related to field investigations in Licking, Know, Perry, Fairfield, and Franklin Counties, Ohio. June 4-17, 1890.
- NO-11272 Field notebook 71 with notes related to field investigations in Franklin, Madison, Clarke, and Champaign Counties, Ohio. June 18-28, 1890.
- NO-11273 Field notebook 72 with notes related to field investigations in Clarke, Green, Warren, and Clermont Counties, Ohio. Also included are notes on striae reported by J.T. Campbell in Parke County, Indiana. June 28-July 6, 1890
- NO-11274 Field notebook 73 with notes related to field investigations in Clarke, Champaign, Logan, and Hardin Counties, Ohio. July 7-16, 1890.
- NO-11275 Field notebook 74 with notes related to field investigations in Logan, Hardin, Union, Franklin, Delaware, Knox, Richmond, and Holmes Counties, Ohio. July 16-27, 1890.
- NO-11276 Field notebook 75 with notes related to field investigations in Trumbull, Ashtabula, Ohio, Mercer, Lawrence, and Venango Counties, Pennsylvania. Also included are notes on a trip through Holmes, Starke, Tuscarawas, Columbian, Mahoning, and Trumbull Counties, Ohio. July 29-August 12, 1890.

- NO-11277 Field notebook 76 with notes related to field investigations in Venango, Mercer, Crawford, Erie, and Warren Counties, Pennsylvania; Ashtabula and Trumbull Counties, Ohio; and Chautauqua County, New York. August 15-September 2, 1890.
- NO-11278 Field notebook 77 with notes related to field investigations in Erie and Crawford Counties, Pennsylvania; Chautauqua County, New York; and Ashtabula and Trumbull Counties, Ohio. September 2-16, 1890.
- NO-11279 Field notebook 78 with notes related to field investigations in Trumbull, Ashtabula and Geauga Counties, Ohio and Crawford County, Pennsylvania. Also included are notes on a trip from Kinsman, Ohio to Akron, Ohio, through Summit, Portage and Trumbull Counties. September 17-October 2, 1890.
- NO-11280 Field notebook 79 with notes related to field investigations in Trumbull, Geauga, Lake, Summit, and Portage Counties, Ohio. October 2-18, 1890.
- NO-11281 Field notebook 80 with notes related to field investigations in Summit, Starke, Columbiana, Mahoning, Trumbull, Portage, Wayne, Medina, Holmes, Knox, and Ashland Counties, Ohio. October 20-November 7, 1890.
- NO-11282 Field notebook 81 with notes related to field investigations in Ashland, Richland, Knox, and Morrow Counties, Ohio. November 7-15, 1890.
- NO-11283 Field notebook 82 with notes related to field investigations in Richland, Crawford, Morrow, Marion, Delaware, Wyandotte, Hardin, Allen, and Auglaize Counties, Ohio. Also included are notes on a trip from Lima, Ohio to Akron, Indiana. November 15-25, 1890.
- NO-11284 Field notebook 83 with miscellaneous notes on: a trip from "Akron, Indiana to Chicago, Ft. Madison, (Santa Fe), Danville to Galesburg (notes on wells), Mendota (notes on wells), Madison, Wisconsin"; notes from various reports read in 1890 and 1891; notes on letters from M.E. Boyd, Wellsburg, West Virginia; "sketch of mounds in Skunk River valley north of Denmark, Iowa". November 25, 1890-June 5, 1891.
- NO-11285 Field notebook 84 with notes related to field investigations in Cook, Will, Kendall, Grundy, and Kane Counties, Illinois. Also included are notes on a trip from Madison, Wisconsin to Freeport, Chicago, and Des Plaines, Illinois. June 5-25, 1891.
- NO-11286 Field notebook 85 with notes related to field investigations in Kendall, LaSalle, and Bureau Counties, Illinois. Also included are notes on a trip from Neponset, Illinois to Danville and Fort Madison, Iowa and Peoria, Danville, and Vermillion, Illinois. June 25-July 9, 1891.

- NO-11287 Field notebook 86 with notes related to field investigations in Vermillion, Parke, Fountain, Warren, Tippecanoe, Carroll, Cass, Miami, Wabash, and Huntington Counties, Indiana. Also included are notes on a trip from Huntington, Indiana to Ft. Wayne, Indiana to meet with Dr. Dryer. July 9-20, 1891.
- NO-11288 Field notebook 87 with notes related to field investigations in Van Wert, Mercer, Darke, Shelby, Logan, Auglaize, Champaign, and Miami Counties, Ohio. July 21-31, 1891.
- NO-11289 Field notebook 88 with notes related to field investigations in Miami, Montgomery, Darke, Preble, Butler, and Warren Counties, Ohio. July 31-August 12, 1891.
- NO-11290 Field notebook 89 with notes related to field investigations in Butler and Hamilton Counties, Ohio, and various locations in north-central Kentucky. Also included are notes on a trip from Cincinnati, Ohio to Washington, D.C., Wilmington, Delaware, and Newark, New Jersey. August 13-September 4, 1891.
- NO-11291 Field notebook 90 with notes related to field investigations in Knox, Richland, Ashland, Medina, Wayne, Summit, and Cuyahoga Counties, Ohio. September 5-15, 1891.
- NO-11292 Field notebook 91 with notes related to field investigations in Medina, Loraine, Cuyahoga, Huron, and Erie Counties, Ohio. September 17-26, 1891.
- NO-11293 Field notebook 92 with notes related to field investigations in Huron, Crawford, Seneca, Wyandotte, Hancock, Hardin, and Putnam Counties, Ohio. Also included are notes on a trip from Continental, Ohio, to Chicago, Illinois and Ft. Madison, Iowa. September 26-October 5, 1891.
- NO-11294 Field notebook 93 with notes related to field investigations in Lee and Des Moines Counties, Iowa. Also included are: notes on a trip from Middletown, Iowa to Chicago, Illinois and Madison, Wisconsin; notes on reports read during the winter of 1891-1892. October 6-November 4, 1891.
- NO-11295 Field notebook 94 with miscellaneous notes on: beaches at Chicago, Illinois; studies in southern Lee County, Iowa; well records from Bluff Park and Mont Clare, Iowa; trip to Chicago, Illinois and Madison, Wisconsin; notes on Chicago beach lines; notes by J.A. Udden; trip to Rochester, New York. June 5-September 2, 1892.
- NO-11296 Field notebook 95 with notes related to field investigations in Sangamon, Christian, Shelby, Macon, Logan, Menard, and Mason Counties, Illinois. Also included are notes on a trip from Chicago to Urbana and Springfield, Illinois. September 10-17, 1892.

- NO-11297 Field notebook 96 with notes related to field investigations in Mason, Logan, Dewitt, Tazewell, McLean, Macon, Sangamon, Cass, and Morgan Counties, Illinois. September 18-24, 1892.
- NO-11298 Field notebook 97 with notes related to field investigations in Sangamon, Macoupin, Morgan, Montgomery, Madison, Bond, St. Clair, Jersey, and Calhoun Counties, Illinois. September 26-October 6, 1892.
- NO-11299 Field notebook 98 with notes related to field investigations in Calhoun, Jersey, Greene, Madison, Macoupin, Scott, Morgan, Cass, Fulton, and McDonough Counties, Illinois. Also included are notes on a trip from Bushnell, Illinois to Rock Island, Illinois. October 6-14, 1892.
- NO-11300 Field notebook 99 with notes related to field investigations in Rock Island, Mercer, Henry, Henderson, Hancock, Adams, and Bureau Counties, Illinois. Also included are notes on a trip from Galva, Iowa to Burlington, Iowa. October 15-27, 1892.
- NO-11301 Field notebook 100 with notes related to field investigations in Adams, Brown, Whiteside, Carroll, Stevenson, Jo Daviess, Henry, Knox, Starke, Marshall, Peoria, and Pike Counties, Illinois. Trip notes include Fowler, Prophetstown, Rock Island, and Warren, Illinois and Fort Madison and Burlington, Iowa. October 27-November 11, 1892.
- NO-11302 Field notebook 101 with notes related to field investigations in Peoria, Stark, Knox, Tazewell, Mason, Ferguson, Washington, St. Claire, Monroe and Randolph Counties, Illinois. Trip notes include Havana, Mt. Pulaski, Springfield, Pana, Champaign, and Ashley, Illinois. November 11-20, 1892.
- NO-11303 Field notebook 102 with notes related to field investigations in St. Clair, Washington, Randolph, Perry, Jackson, Williamston, Union, Fayette, Bond, Pulaski, Johnson, Williamson, Franklin and Saline Counties Counties, Illinois. Trip notes include Vandalia, Chicago, Springfield, Centralia, Cobden, and Mounds Junction, Illinois. November 20-December 2, 1892.
- NO-11304 Field notebook 103 with notes related to field investigations in Coles, Cumberland and Shelby Counties, Illinois. Trip notes include Shelbyville, Chicago, Rockford, Aurora, Ashton, and Eldorado, Illinois and Terre Haute and Charleston, Indiana. December 3-12, 1892.
- NO-11305 Field notebook 104 with notes on trips to Ashton, Sterling, Windsor, Cushman, Freeport, Warren, Effingham, and Chicago, Illinois, Earl Park, Indiana, St. Louis, Missouri, and Meadville, Pennsylvania. December 12, 1892-May 3, 1893.
- NO-11306 Field notebook 105 with notes related to field investigations in McHenry and

Lake Counties, Illinois, and trips to Chicago, Crystal Lake, Richmond Spring, and Bluff, Illinois, Meadville, Pennsylvania, and Linesville, Albion, Conneaut, and Cleveland, Ohio. May 3-10, 1893.

- NO-11307 Field notebook 106 with notes related to field investigations in Knox, Stephenson, Winnebago, Ogle, Marshall, Woodford, Tazewell, Ogle, Carroll, Lee, and Whiteside Counties, Illinois. Trip notes include Wilburn, LaRose, Dahinda, Williamsfield, Freeport, Union Grove, Nachusa, Minonk, Dixon, Polo, and Chillicothe, Illinois, and Fort Madison, Iowa. Also included are "notes on Milwaukee well". May 20-June 6, 1893.
- NO-11308 Field notebook 107 with notes related to field investigations in the Rock River Valley below Rockford, Illinois, in northwest Illinois, and in the vicinity of Beloit, Wisconsin. June 6-19, 1893.
- NO-11309 Field notebook 108 with notes related to field investigations at railway cuts near Irene, Illinois; studies in northwest Illinois and along Rock River Valley (continued from field notebook 107); trip with Prof. Chamberlin to Grundy and Kendall Counties, Illinois. June 19-July 3, 1893.
- NO-11310 Field notebook 109 with notes related to field investigations in northwestern Pennsylvania and southwestern New York. July 3-14, 1893.
- NO-11311 Field notebook 110 with notes related to field investigations in southwestern New York. July 14-23, 1893.
- NO-11312 Field notebook 111 with notes related to field investigations in southwestern New York. July 23-29, 1893.
- NO-11313 Field notebook 112 with notes related to field investigations in southwestern New York. July 30-August 6, 1893.
- NO-11314 Field notebook 113 with notes related to field investigations in southwestern New York. Also included are notes on a trip down the Allegheny valley to Franklin and Meadville, Pennsylvania, and on to Chicago, Illinois. August 6-19, 1893.
- NO-11315 Field notebook 114 with notes related to field investigations during trips to The Dells, Wisconsin, Wheeling, West Virginia, and Beaver and Wampum, Pennsylvania. August 19-September 5, 1893.
- NO-11316 Field notebook 115 with notes related to field investigations in Beaver, Mahoning and Shenango Valleys, Crawford County, Pennsylvania. Also included are notes on a trip to Spring Creek, Pennsylvania to study the Brokenstraw, Conewango, and Tionesta valleys. September 5-17, 1893.

- NO-11317 Field notebook 116 with notes related to field investigations in the Allegheny Valley and border tracts, Warren to Brandon, Pennsylvania. September 17-22, 1893.
- NO-11318 Field notebook 117 with notes related to field investigations in the Allegheny Valley and tributary drainages between Franklin and Kittanning, Pennsylvania. September 22-30, 1893.
- NO-11319 Field notebook 118 with notes related to field investigations in the lower Allegheny and upper Ohio Valleys and tributary drainages below Kittanning, Pennsylvania. October 1-13, 1893.
- NO-11320 Field notebook 119 with notes related to field investigations in the Allegheny Valley and tributary drainages near Warren, Pennsylvania. October 13-23, 1893.
- NO-11321 Field notebook 120 with notes related to field investigations in the Allegheny Valley and tributary drainages above Warren, Pennsylvania. Also included are notes on drift deposits in southwestern New York. October 23-November 2, 1893.
- NO-11322 Field notebook 121 with notes related to field investigations in western New York. November 2-9, 1893.
- NO-11323 Field notebook 121B with notes related to "Prof. Strickie's lectures on assaying". No date.
- NO-11324 Field notebook 122 with notes related to field investigations in western New York. November 9-16, 1893.
- NO-11325 Field notebook 123 with notes related to field investigations in western New York. November 16-23, 1893.
- NO-11326 Field notebook 124 with notes related to field investigations in southwestern New York, the Allegheny Valley in Pennsylvania. Also included are notes on a trip from Oil City, Pennsylvania to Meadville, Pennsylvania, Kentucky, Ohio, and Illinois, and notes from Ohio and Pennsylvania publications on terraces. November 23-December 2, 1893.
- NO-11327 Field notebook 125 with notes related to field investigations in Kane County, Illinois and Lee, Henry, Jefferson, Des Moines, and Louisa Counties, Iowa. April 17-May 16, 1894.
- NO-11328 Field notebook 126 with notes related to field investigations in Muscatine, Johnson, Washington, Henry, Louisa, Jefferson, Van Buren, and Lee Counties, Iowa. May 16-June 6, 1894.
- NO-11329 Field notebook 127 with notes related to field investigations in Muscatine, Scott,

Cedar, Johnson, Iowa, Keokuk, Wapello, and Jefferson Counties, Iowa. Also included are notes on a trip from Batavia, Iowa to Sawyer, Iowa, studies along the Mississippi River in Hancock County, Illinois, and well sections in Lee and Des Moines County, Iowa. June 6-August 8, 1894.

- NO-11330 Field notebook 128 with notes related to field investigations in Lee County, Iowa, Hancock, Adams and Pike Counties, Illinois, and Lewis and Clarke Counties, Missouri. Also included are notes on well records from Henry County, Iowa. August 11-September 24, 1894.
- NO-11331 Field notebook 129 with notes related to field investigations in Pike, Adams, and Hancock Counties, Illinois and Lee, Van Buren, and Des Moines Counties, Iowa. September 25-October 6, 1894.
- NO-11332 Field notebook 130 with notes related to field investigations in Des Moines, Louisa, Muscatine, Scott, Clinton, and Cedar Counties, Iowa and Rock Island and Henry Counties, Illinois. October 7-17, 1894.
- NO-11333 Field notebook 131 with notes related to field investigations in Jones, Jackson, and Clinton Counties, Iowa and Carroll, Jo Daviess, and Stevenson Counties, Illinois. October 17-26, 1894.
- NO-11334 Field notebook 132 with notes related to field investigations near Morrison, Chicago, and Chenoa, Illinois; in McLean, Tazewell McDonough, Scott, Morgan, Sangamon, Whiteside, Shelby, and Effingham Counties, Illinois; and near Fort Madison and Keokuk, Iowa. October 27-November 10, 1894.
- NO-11335 Field notebook 133 with notes related to field investigations in Effingham, Clay, Wayne, Edwards, Wabash, Lawrence, Richland, Jasper, Cumberland, Coles, and Douglas Counties, Illinois. Also included are notes on a trip from Arcola, Illinois to Champaign, Illinois. November 10-19, 1894.
- NO-11336 Field notebook 134 with notes on "Rolfe's maps at Champaign". November 19-28, 1894.
- NO-11337 Field notebook 135 with notes related to field investigations in Champaign, St. Clair, Monroe, Randolph, and Platt Counties, Illinois, and a trip from Monticello, Illinois, to Bement and Edwardsville, Illinois and St. Louis County, Missouri. Also included are data on fall of streams and additional notes "from Rolfe's maps" (see NO-11335). November 28-December 8, 1894.
- NO-11338 Field notebook 136 with notes related to field investigations in St. Clair, Randolph, Monroe, Sangamon, and Madison Counties, Illinois. December 9-14, 1894.
- NO-11339 Field notebook 137 with notes related to field investigations in Macon, DeWitt,

Logan and Tazewell Counties, Illinois; notes on a trip from Peoria, Illinois to Burlington, Illinois; "data from Gilbert, Buell, Freeman, Rolfe, Dean, Miller, Moore, Mason, Putnam"; notes on drift at Ft. Madison, Iowa, La Moille, Illinois, Lake Chautauqua, New York, and Meadville, Tennessee. December 15, 1894-March 23, 1895.

- NO-11340 Field notebook 138 with miscellaneous notes related to: "data from George S. Morrison, W. S. Lincoln"; "trip with Udden in Des Moines County, Iowa, Henderson County, Illinois"; "data from Sabula, Iowa, Decorra, Illinois, Milwaukee, Wis."; "Missouri River data"; "Chamberlin on Natchez trip"; "McGee on lower Mississippi submergence"; "Memphis data" "data on wells in Lee County, Iowa"; "trip into Henry and Van Buren Counties, Iowa"; "shark teeth, etc"; "altitudes on Keokuk and Mt. Pleasant RR". Mar. 24-June 4, 1895.
- NO-11341 Field notebook 139 with miscellaneous notes related to: "trip Ft. Madison to Farmington. Van Buren Co., Iowa"; "Clarke County, Missouri, Lee County, Iowa"; "well sections in Lee and Des Moines County, Iowa"; "July 1-14 in western Indiana with Mr. Purdue". Latter part of notebook includes notes on well sections and railway altitudes in Lee and Des Moines Counties, Iowa. June 13-July 14, 1895.
- NO-11342 Field notebook 140 with miscellaneous notes related to: "well data at Keokuk"; "well data collected by Jas. Gibson and Smalley"; "trip Newark, Ohio, to Pittsburgh and Philadelphia"; "notes around Washington"; "E.J. Ward's data on Illinois River"; trip Washington to Connellsville, Penn., Morgantown, Fairmount and Moundsville, W.Va"; "study along the Ohio valley begun"; "data on fall of Ohio". Winter, 1895-1896.
- NO-11343 Field notebook 141 with notes related to field investigations in the Ohio, Muskingum, Hocking, Sugar Grove, Great Kanawha, and Teays Valleys, Ohio and West Virginia. May 3-18, 1896.
- NO-11344 Field notebook 142 with notes related to field investigations in the Teays, Scioto, and Ohio Valleys, West Virginia and Ohio, and an abandoned valley in the Wheelersburg-Waverly area, Ohio. Also included are miscellaneous notes on: "trip Columbus to Newark, Chicago (B&O), Ft. Madison (Santa Fe)"; "notes on altitudes near Sisterville"; "trip Danville, Illinois to Galesburg and Peoria, Illinois, and Indianapolis and Columbus, Indiana, Bartholomew, Jackson, Washington, Scott, Clarke and Jefferson, Counties, Indiana". May 18-30. June 11-18, 1896.
- NO-11345 Field notebook 143 with notes related to field investigations in the Ohio Valley from Carrollton, Kentucky to Manchester, Ohio. Also included are notes on: "trip Cincinnati to Terre Haute, Decatur, Keokuk, Denmark; Data from Hershey, True, McGee and Upham"; "study in old course of Mississippi outside the Illinois lobe"; "Brackett's well"; "trip down Mississippi to Pike County, Illinois and return";

"well data at Columbus City"; "Whitney's analysis of buried soils, silts, etc.". June 18-September 14, 1896.

- NO-11346 Field notebook 144 with miscellaneous notes related to: "trip Ft. Madison to Hannibal and Louisiana, Mo."; "Pike, Green, Macoupin, Madison, Clinton, Washington, Randolph, Jackson, Union, Alexander, and Pulaski Counties, Illinois"; "study of Ohio Valley from mouth up to Louisville, Kentucky"; "trip New Albany to Brookville and Indianapolis, Indiana". September 30-October 23, 1896.
- NO-11347 Field notebook 145 with miscellaneous notes related to: "study of White River below Indianapolis"; "drift in Martin County, Indiana"; "trip Vincennes to Terre Haute and Shelbyville, Decatur, Pekin and Peoria"; "trip with Chamberlin: Chicago to Matton, Charleston, Shelbyville, Decatur, Perkin and Peoria. Peoria, Galesburg, Burlington"; "Udden's notes on wells at Andover, Illinois"; "trip Chicago to Columbus, Ohio. (Pan Handle)"; "trip Burlington to Bushnell, Beardstown, Pana, and Shelbyville"; "studies near Bloomington, Tazewell and Peoria Counties, Illinois". October 23, 1896-June 4, 1897.
- NO-11348 Field notebook 146 with notes related to field investigations in Peoria County, Illinois. Also included are miscellaneous notes on: "trip Princeville to Ft. Madison. Ft. Madison to Galesburg. Knox, Henry, Rock Island, Whiteside, Carroll, Ogle, Lee and Bureau Counties, Illinois"; "trip Neponset to Ft. Madison"; "notes on wells at Findlay, Illinois"; "wells in La Salle County, Illinois". June 5-July 1, 1897.
- NO-11349 Field notebook 147 with notes related to field investigations in southwestern Michigan. Also included are notes on a trip to Detroit and Kalamazoo, Michigan. August 1-17, 1897.
- NO-11350 Field notebook 148 with miscellaneous notes on: "eastern Iowa and northwest Illinois with Clavin, Bain and Udden"; "trip Danville to Des Moines, Stuart, Iowa and return"; "Veatch's studies near Rockport, Indiana"; "eastern Iowa with Clavin, Bain, Savage and Norton"; "notes on Indiana geology and altitudes and Siebenthal's map". November 23, 1897-April 26, 1898.
- NO-11351 Field notebook 149 with miscellaneous notes: "studies with Calvin, Chamberlin, Udden, Bain and Salisbury around Peoria"; "studies in southwest Indiana"; "gorge on Patoka River"; "trip to South Dakota, Nebraska, and western Iowa with Todd and Bain". May 7-September 9, 1898.
- NO-11352 Field notebook 150 with miscellaneous notes: "with Bain in western Iowa"; "Omaha, Fontanelle and return"; "work in central and southeastern Ohio". September 10-October 8, 1898.
- NO-11353 Field notebook 151 with miscellaneous notes: "in eastern Ohio, northwestern

- Penn. and New York"; "with Wright and Taylor in Indiana, Illinois, and Iowa"; "altitudes near Ft. Wayne"; "notes from correspondents at McConnellsville, Cleveland and Vienna X roads, Ohio"; "St. John, Illinois". October 9, 1898-January 9, 1899.
- NO-11354 Field notebook 152 with miscellaneous notes on "old papers read at Des Moines, used in bibliography of Mon. XLI". Winter 1898-1899.
- NO-11355 Field notebook 153 with miscellaneous notes: "Ohio canal statistics"; "Diller on Scioto valley pebbles"; "Birby on Ohio River"; "Wright on wells in Chagrin, Ohio"; "Jillson's paper of 1866"; "Henrich on faulted gravel near Addison, Mich."; "notes by J. H. Todd on Ohio"; "I. C. White on Great Kanawha"; "drift between Sawyer and Ft. Madison"; "interview with Tight and Chamberlin at Chicago Univ."; "work from Ft. Wayne northeast into Michigan". July 31-August 11, 1899.
- NO-11356 Field notebook 154 with miscellaneous notes: "Washtenaw County, Mich."; "Toledo"; "in northern Ohio on beach lines"; "around Lancaster"; "with Taylor on beaches south of Lake Erie"; "Moundsville, Bellaire, Bowerston, Marietta, Athena, and Albany, Ohio". August 11-September 11, 1899.
- NO-11357 Field notebook 155 with miscellaneous notes: "southern Ohio and down Ohio valley to Henderson, Kentucky"; "on Danville, Illinois Quadrangle". September 29-October 3, 1899.
- NO-11358 Field notebook 156 with miscellaneous notes: "Danville Quadrangle"; "northwest Ohio and southeast Michigan". October 3-25, 1899.
- NO-11359 Field notebook 157 with miscellaneous notes on southeastern Michigan and northwestern Ohio. October 26-November 14, 1899.
- NO-11360 Field notebook 158 with miscellaneous notes: "Tiffin and Toledo"; "altitudes on Ann Arbor R.R."; "in northwest Ohio with Taylor"; "at Lansing with Lane"; "altitudes near Bryan and at Ft. Wayne"; "trip Chicago to Ann Arbor". November 15, 1899-June 7, 1900.
- NO-11361 Field notebook 159 with miscellaneous notes: "table of curvatures of the earth"; "in southeast Michigan in connection with F.B. Taylor". June 8-July 6, 1900.
- NO-11362 Field notebook 160 with miscellaneous notes related to field investigations in Livingston, Ingham, Eaton, and Jackson Counties, Michigan. July 6-27. 1900.
- NO-11363 Field notebook 161 with miscellaneous notes related to field investigations in Jackson, Calhoun and Eaton Counties, Michigan. Trip notes include Lansing and Grand Rapids, Michigan. July 26-August 21, 1900.

- NO-11364 Field notebook 162 with miscellaneous notes related to field investigations in the vicinity of Grand Rapids, Mackinac, and Petoskey, Michigan. August 22-September 18, 1900.
- NO-11365 Field notebook 163 with miscellaneous notes related to field investigations in western Michigan. Trip notes include Ann Arbor, Michigan, and Olean, New York September 18-October 17, 1900.
- NO-11366 Field notebook 164 with miscellaneous notes related to field investigations in the Olean and Salamanca 30' quadrangles, New York October 18-31, 1900.
- NO-11367 Field notebook 165 with miscellaneous notes: "in western New York with Fairchild"; "notes from Fairchild on altitudes"; "altitudes on Grand Trunk R.R., Pontiac to Jackson"; "altitudes in Ypsilanti by City Engineer". November 1, 1900-January 4, 1901.
- NO-11368 Field notebook 166 with notes related to field investigations in southern Michigan west of Ann Arbor. November 19-December 29, 1900.
- NO-11369 Field notebook 167 with notes related to field investigations in southern Michigan. Maps in back of book. April 10-May 2, 1901.
- NO-11370 Field notebook 168 with notes related to field investigations in southern Michigan, including short trips to Flint, Michigan and Findlay, Carey and Norwalk, Ohio. May 3-June 20, 1901.
- NO-11371 Field notebook 169 with notes related to field investigations in central and western Michigan. Also including are notes on "proofing of Monograph XLI". June 21-August 8, 1901.
- NO-11372 Field notebook 170 with notes related to field investigations in Oceana, Mason, Newaygo, Lake, Osceola, Clare, and Mecosta Counties, Michigan. For aneroid readings for August 9-20, 1901, see NO-11373. August 9-September 11, 1901.
- NO-11373 Field notebook 170A with notes related to aneroid readings. August 9-20, 1901.
- NO-11374 Field notebook 171 with notes related to field investigations in Osceola and adjoining counties, Michigan. September 5-27, 1901.
- NO-11375 Field notebook 172 with notes related to field investigations in the Kittanning, Pennsylvania, 30' quadrangle, and in Ogemaw and Alcona Counties, Michigan. Trip notes include East Tawas and Lansing, Michigan, Chicago, Illinois, and Denmark, Iowa. October 2-November 9, 1901.
- NO-11376 Field notebook 173 with notes related to field investigations along the Pere

- Marquette Railroad, northern Indiana. Trip notes include Rushville and Columbus, Indiana. May 26-June 12, 1902.
- NO-11377 Field notebook 174 with notes related to field investigations in central, western, and southwestern Indiana. June 13-July 5, 1902.
- NO-11378 Field notebook 175 with notes related to field investigations in northern Michigan and southwestern Indiana. July 11-August 9, 1902.
- NO-11379 Field notebook 176 with notes related to field investigations in Crawford, Roscommon, Ogemaw, and Kalkaska Counties, Michigan. August 11-23, 1902.
- NO-11380 Field notebook 177 with notes related to field investigations in Grand Traverse County, Michigan. September 1-15, 1902.
- NO-11381 Field notebook 178 with notes related to field investigations in Grand Traverse County, Michigan. September 15-24, 1902.
- NO-11382 Field notebook 179 with notes related to field investigations in the Inland Lake region between Petoskey, Cheboygan and Rogers City, Michigan. September 24-Oct 2, 1902.
- NO-11383 Field notebook 180 with notes related to field investigations between Indian River and Alpena, Michigan. October 2-9, 1902.
- NO-11384 Field notebook 181 with notes related to field investigations in the Alpena, Michigan, area. October 10-20, 1902.
- NO-11385 Field notebook 182 with notes related to field investigations near Onaway, East Tawas, Rose City, Fairview, Dowagiac, and Decatur, Michigan. October 21-29, 1902.
- NO-11386 Field notebook 183, with notes related to field investigations near Paw Paw, Michigan. October 29-November 2, 1902.
- NO-11387 Field notebook 184 with notes related to field investigations in southwestern Michigan and northwestern Indiana. Trip notes include the Kaneville esker, Kane County, Illinois. November 4-19, 1902.
- NO-11388 Field notebook 185 with notes related to field investigations in northwestern Indiana. Also included are survey data for railways and other surveys in Indiana and Michigan, collected in winter of '02-'03. November 19-26, 1902.
- NO-11389 Field notebook 186 with notes related to field investigations in the Ann Arbor 30' quadrangle, Michigan and examination of the Wisconsin drift border in central Indiana. June 19-July 8, 1903.

- NO-11390 Field notebook 187 with notes related to field investigations in central and western Indiana and in southeastern Michigan. July 9-September 21, 1903 (except September 6-12; see NO-11391).
- NO-11391 Field notebook 188 with notes related to field investigations of shore lines in western Michigan. Trip notes include Northfield Township, Washtenaw County, Michigan. September 6-12, 1903.
- NO-11392 Field notebook 189 with notes related to field investigations in the Ann Arbor quadrangle, Michigan. September 25-October 5, 1903.
- NO-11393 Field notebook 190 with notes related to field investigations in the Ann Arbor quadrangle, Michigan. October 7-26, 1903.
- NO-11394 Field notebook 191 with notes related to field investigations in the Ann Arbor 30' quadrangle, Michigan and districts south and east. October 16-November 4, 1903.
- NO-11396 Field notebook 193 with notes related to field investigations in Saint Clair and Huron Counties, Michigan. Also included are notes on wells, railway lines, and beaches gathered in the winter of 1903-1904. November 11-14, 1903.
- NO-11397 Field notebook 194 with notes on Ann Arbor Water Company wells. No date.
- NO-11398 Field notebook 195 with notes on temperatures of Ann Arbor, Michigan, wells. March 12-August 2, 1904.
- NO-11399 Field notebook 196 with miscellaneous notes. 1904.
- NO-11400 Field notebook 197 with notes related to field investigations in Macomb, St. Clair, Lapeer, and Sanilac Counties, Michigan. Trip notes include Saint Louis, Missouri. September 17- October 8, 1904.
- NO-11401 Field notebook 198 with notes related to field investigations in Studies in Sanilac, Charlevoix, and Antrim Counties, Michigan. October 9-24, 1904.
- NO-11402 Field notebook 199 with notes related to field investigations in Grand Traverse, Benzie, Emmett, Oakland, Macomb, and Washtenaw Counties, Michigan. October 25-November 10, 1904.
- NO-11403 Field notebook 200 with notes related to "Cooley's Huron River Survey, etc.". No date.
- NO-11404 Field notebook 201 with notes related to field investigations in Genesee and

Lapeer Counties, Michigan, and in the Salineville quadrangle, Ohio. Also included are notes from a trip with Willard Johnson to Iowa and Nebraska. April 20-June 24, 1905.

- NO-11405 Field notebook 202 with notes related to field investigations in the eastern portion of the northern peninsula of Michigan. Also included are notes on "water works, Kalamazoo and Jackson"; "railroad well at Wayland". June 24-August 16, 1905.
- NO-11406 Field notebook 203 with notes related to field investigations in Chippewa, Mackinaw, and Luce Counties, Michigan. August 17-September 4, 1905.
- NO-11407 Field notebook 204 with notes related to field investigations in Chippewa, Mackinaw, Luce, and Schoolcraft Counties, Michigan. August 28-September 9, 1905.
- NO-11408 Field notebook 205 with notes related to field investigations in Mackinaw, Luce, Schoolcraft and Alger Counties, Michigan. September 9-21, 1905.
- NO-11409 Field notebook 206 with notes related to field investigations in Alger, Delta, Marquette, and Schoolcraft Counties, Michigan. September 22-October 5, 1905.
- NO-11410 Field notebook 207 with notes related to field investigations in Marquette County, Michigan. October 6-28, 1905.
- NO-11411 Field notebook 208 with notes related to field investigations in Dickinson, Delta, and Schoolcraft Counties, Michigan. October 29-November 4, 1905.
- NO-11412 Field notebook 209 with notes related to field investigations in north-central Wisconsin and southeastern Minnesota near St. Paul and Red Wing. June 27-July 18, 1906.
- NO-11413 Field notebook 210 with notes related to field investigations in Dakota. Goodhue, and Rice Counties, Minnesota. Trip notes include Spring Valley, Wisconsin (with T.C. Chamberlin) and Cannon Falls, Minnesota. July 19-Aug 8, 1906.
- NO-11414 Field notebook 211 with notes related to field investigations in Goodhue, Olmsted, Wabasha, Winona, and Dodge Counties, Minnesota, with F.W. Sardeson and R. T. Chamberlin. August 9-27, 1906.
- NO-11415 Field notebook 212 with notes related to field investigations in Dodge, Rice, Olmsted, Mower, Fillmore, and Houston Counties, Minnesota, and Howard County, Iowa. Trip notes include Goodhue County, Minnesota and Pierce County, Wisconsin, with "Dr. Weidman". August 27-September 19, 1906.
- NO-11416 Field notebook 213 with notes related to field investigations in Howard, Dubuque,

Jackson, and Winneshiek Counties, Iowa, and Daviess County, Illinois. Trip notes include Madison, Wisconsin, and Warren, Illinois with "Dr. Weidman". September 20- October 17, 1906.

- NO-11417 Field notebook 214 with notes related to field investigations in Clinton, Jackson, Jones, Delaware, Fayette, Clayton, and Winneshiek Counties, Iowa. October 18-November 7, 1906.
- NO-11418 Field notebook 215 with notes related to field investigations in Clayton County, Iowa. Trip notes include Rock Island, Iowa City, Ames, and Denmark, Iowa. Also included are notes on: "drift pebbles by C.W. Hall"; "miscellaneous notes collected in winter of 1906-07"; "conference with Chamberlin and Calvin in northeastern Iowa"; "with Taylor and Goldthwaite, near Muskegon and Grand Haven, Mich"; "levels run by Goldthwaite. Aug 16, Oelwein, Iowa, to Taopi, Minn"; "in Mower and Fillmore counties, Minnesota". November 7, 1906-August 16, 1907.
- NO-11419 Field notebook 216 with notes related to field investigations in southeastern Minnesota and western Wisconsin. Also included are notes on "conference with T. C. Chamberlin on the drifts of southeastern Minnesota and western Wisconsin". Trip notes include New Ulm, Minnesota, and Menominee, Wisconsin. August 19-September 16, 1907.
- NO-11420 Field notebook 217 with notes related to field investigations in Washington County, Minnesota. Also included are notes on: "St. Croix valley to Taylors Falls with Dr. Weidman"; "on borders of Mississippi valley from Hastings to La Crosse"; and "studies of the Root and Upper Iowa rivers and neighboring districts". September 16-October 11, 1907.
- NO-11421 Field notebook 218 with notes related to field investigations: "Trempealeau River in Wisconsin"; "from Merideau to Grand Rapids, Wisconsin"; "studies on Black River, Wisconsin"; "mouth of Wisconsin River"; " mouth of Yellow River"; "Wisconsin River valley"; "Madison, Wisconsin to Belvidere, Ill."; "studies in Boone and Winnebago counties, Ill."; observations near Ft. Madison, Iowa"; "Ft. Madison to Winfield and Oskaloosa and Grinnell, Iowa"; "studies in Poweshiek, Marshall, Jasper, Tama, Benton, Black Hawk, Grundy counties, Iowa"; "mapping distribution of loess". October 11- November 18, 1907.
- NO-11422 Field notebook 219 with notes related to field investigations in Europe including: Berlin, Dresden, Nurnberg, Innsbruck, and Bozen, Germany; Riva, Salo, Florence, Rome, Naples, and Venice, Italy; and Klagenfurt, Austria. January 2-April 18, 1908.
- NO-11423 Field notebook 220 with notes related to field investigations in Europe in the eastern Alps "with Penck", near Udine, Italy, and Semmering, Vienna, and Krems, Austria. April 19-May 8, 1908.

- NO-11424 Field notebook 221 with notes related to field investigations in Europe near Saint Poulten and Linz, Austria; Prague and Karlsbad, Czechoslovakia; and Leipzig, Berlin, Werder, Belzig, Magdeburg, Rappinischen, Gotzke, Brandenburg, and Isle of Rugen, Germany. Trip notes include "Stettin and vicinity, trip with Klautzsch" and "with Prof. Credner in Leipzig". May 9-27, 1908.
- NO-11425 Field notebook 222 with notes related to field investigations in Europe including: "with Dr. Klautzsch on the Baltic Ridge"; "with Wahnschaffe at Rudersdorf"; "Berlin to Hirschberg and Ober Schreiberhau"; "studies of the drift sheets of Silesia and glacial features of the Riesen Gebirge and districts westward to Dresden"; "Berlin to Wittenberg, Salle and Naumburg"; and "Weimar and Frankfort-on- the-Main". May 28-June 23, 1908.
- NO-11426 Field notebook 223 with notes related to field investigations in Europe including: "trip from Frankfort to Basel and Luzerne"; "across St. Gothard to Lake Como"; "studies with Prof. Davis and party"; "Grenoble to Sisteron and Marseilles and along the Riviera to Genoa"; "Buochs and vicinity"; "with Hunt and Scott"; and "Luzerne to Geneva". June 24-July 26, 1908.
- NO-11427 Field notebook 224 with notes related to field investigations in Europe including: "trip to the glaciers bordering the Rhone valley with Dorothy, and return to Geneva"; "with Prof. Bruckner and party between Geneva and Luzerne"; "in the Ober Engadine"; "down the Inn Valley"; "Salzburg to Mattighofen and Munich"; "studies around Munich"; "Ingolstadt, Maxweiler and Neuburg"; "Neuburg, Augsburg and Ulm"; "Ulm to Basel"; "with Prof. Bruckner around Basel"; "in the Black Forest"; "Heidelberg, Worms"; and "Bingen to Bonn". July 31-September 12, 1908.
- NO-11428 Field notebook 225 with notes related to field investigations in Europe including: "from Cologne through Holland and Belgium"; "Cologne to Berlin"; "studies with Prof. Keilhack near Stassfurt"; "studies of the middle drift and lower drift from near Halle to Hanover, in part with Dr. Werth"; "studies east of Halle"; "at Rudersdorf with Wahnschaffe"; "Berlin to Bremen"; and "studies south of Bremen". September 13-October 15, 1908.
- NO-11429 Field notebook 226 with notes related to field investigations in Europe including Great Britain, "with Mr. Briquet in northern France"; and "London to Liverpool". Trip notes include Leverett's return journey to Portland, Maine, and Boston, Massachusetts. October 20- November 27, 1908.
- NO-11430 Field notebook 227 with notes related to field investigations in the Wabash River valley of northwestern Indiana and southwestern Michigan. April 10-17, 1909.
- NO-11431 Field notebook 228 with notes related to field investigations in the northern peninsula of Michigan with L. H. Wood. June 29-July 24, 1909.

- NO-11432 Field notebook 229 with notes related to field investigations on the northern peninsula of Michigan with L.H. Wood. July 23-August 17, 1909.
- NO-11433 Field notebook 230 with notes related to field investigations in northern Wisconsin, Michigan, and Minnesota. August 17-September 7, 1909.
- NO-11434 Field notebook 231 with notes related to field investigations in northern Wisconsin and adjacent parts of Michigan and Minnesota. September 7-24, 1909.
- NO-11435 Field notebook 232 with notes related to field investigations in the northwestern peninsula of Wisconsin and Minnesota. Also included are notes and railroad altitudes from the Northfield, Minnesota, area. September 25-October 21, 1909.
- NO-11436 Field notebook 233 with notes related to field investigations near Duluth and Northfield, Minnesota, in eastern Iowa, and in northwestern Illinois. Also included is an interpretation of the Goose Lake Chain, Minnesota, and railroad data for northern Michigan. October 21-November 16, 1909.
- NO-11437 Field notebook 234 with notes related to field investigations in northeastern Minnesota with F.W. Sardeson. July 17-August 15, 1910.
- NO-11438 Field notebook 235 with notes related to field investigations in northeastern Minnesota and northwestern Wisconsin with F.W. Sardeson. Trip notes include Ann Arbor, Michigan; "with W.C. Alden near Sheboygan"; and "with J. D. Scott in northern peninsula of Michigan". August 16-September 25, 1910.
- NO-11439 Field notebook 236 with notes related to field investigations near Marquette, Michigan with Scott. Trip notes include Ann Arbor, Michigan, and Northfield and Grantsburg, Minnesota. September 28-November 3, 1910.
- NO-11440 Field notebook 237 with notes by F.W. Sardeson related to work in northeastern Minnesota apart from Leverett. Also included are notes by Leverett from the Minneapolis area (with F.W. Sardeson), and from the northern peninsula of Michigan (with E.R. Preston). July 5, 1910-July 22, 1911.
- NO-11441 Field notebook 238 with notes related to field investigations in central Minnesota with E.R. Preston. Also included are notes on altitudes of Minnesota railways and slope data for Duluth and Nipissing beaches. July 24-August 23, 1911.
- NO-11442 Field notebook 239 with notes related to field investigations in northeastern Minnesota and the Mesabi Range with Preston. Railroad altitude data also included. August 24-September 17, 1911.
- NO-11443 Field notebook 240 with notes related to field investigations in Minnesota and Wisconsin. September 18-October 10, 1911.

- NO-11444 Field notebook 241 with notes related to field investigations in "central and western Minnesota"; "altitudes on Soo Line railroad"; and "with Weidman in eastern Wisconsin". October 11-November 9, 1911.
- NO-11445 Field notebook 242 with notes related to field investigations in "in eastern Wisconsin and northern Peninsula on red drift, readvance"; "notes on map near Red Lake, Minnesota"; "levels run in Imlay outlet and in Sanilac and Huron counties, Mich. by L.G.H."; "level book"; "on shorelines of northern Peninsula and on St. Joseph Island, Ontario"; and "Altitudes by Clev--? Cliff Co.". November 9, 1911-June 25, 1912.
- NO-11446 Field notebook 243 with notes related to: "levels run in no. Peninsula by L.G.H."; "altitudes by C.& N.W."; "in southwest Minnesota"; and "party with F.W. Sardeson on Herman and Morris sheets for folio". June 26-July 28, 1912.
- NO-11447 Field notebook 244 with notes related to field investigations in the northern peninsula of Michigan and in southwestern Minnesota. July 29-August 24, 1912.
- NO-11448 Field notebook 245 with notes related to field investigations "with Prof. Hard & C.S. Corbett in southeastern North Dakota,; western Minnesota and North and South Dakota". September 2 to October 3, 1912.
- NO-11449 Field notebook 246 with notes related to field investigations in South Dakota (with Corbett) and in southwestern Minnesota. October 4-November 6, 1912.
- NO-11450 Field notebook 247 with notes related to field investigations: "with Weidman"; "in western Wisconsin on Iowan Drift"; "at Northfield, Dodge Center, St. Peter"; "in northwest Iowa"; "in eastern Nebraska"; "Mediapolis"; "Sangamon soil"; "in western Wisconsin with Weidman at Third Drift"; "Northfield and Dodge Center and St. Peter, Minn."; "in northwestern Iowa"; "in eastern Nebraska"; "with Sherzer near Birmingham"; "Hastings and Red Wing"; "Northfield and Dodge Center"; "north of Rochester, Minn."; "Waseca to Mankato"; "with Kay, Carman and Less in northwestern Iowa"; "Clear Lake and Albert Lea and Minneapolis"; "with F.W. Sardeson at Hastings and St. Croix Dalles"; "with W.G. Smith near Red Wing"; "in Dakota and Washington counties"; "with Weidman to Red Wing, Zumbrota and Rochester, Chatfield, Rosemont and Lakeville"; "Wisconsin drift near Northfield"; and "in Morrison county, Minnesota, partly with F.W. Sardeson". November 7, 1912-July 7, 1913.
- NO-11451 Field notebook 248 with notes related to field investigations: "in vicinity of Brainard with F.W. Sardeson"; "with Marbut at Red Wing"; "in vicinity of Duluth"; "near Ft. Francis with W.A. Johnston"; "Fort Francis to Stikoken, White River, North Bay, Toronto and Montreal and trips with Geologic Congress"; and "altitudes from City Engineer". July 8-August 12, 1913.

- NO-11452 Field notebook 249 with notes related to field investigations "with F.W. Sardeson in Pine and Carlton Counties"; "with C.A. Davis, Corona and Cromwell"; "with Elftman at Crosby"; "with C.A. Davis in St. Louis Co."; "Aitkin County"; "altitudes in Duluth, Wisconsin and Pac."; "with Elftman in northeastern Minnesota and near Ft. William, Ontario"; "altitudes D. & M. railroad. Little Fork to Big Fork"; "river surveys"; "with Davis on lower end of St. Louis River"; and "trip to Duluth and Thief River Falls". August 21-September 23, 1913.
- NO-11453 Field notebook 250 with notes related to field investigations "with Smith near Thief River Falls"; "with Willard to Greenbush and Warroad"; "in Rainy River Dist."; and "near Thief River Falls". September 24-October 17, 1913.
- NO-11454 Field notebook 251 with notes related to field investigations in northwestern Minnesota and in Manitoba, Canada. October 18-November 14, 1913.
- NO-11455 Field notebook 252 with notes related to field investigations "in northwestern Minnesota"; "notes on Soo Line and N.P.R.R. altitudes"; "notes from G.R. McDale"; "in northern Missouri and northeastern Kansas with F.O. Green"; "near Macomb, Ill."; "striae in Mo."; "beaches in Canada by Johnston"; "work in Louisiana"; "Lake Creighton"; "with Carman in northwestern Iowa"; "in southeastern Minnesota with Mr. Theo on Iowan drift"; and "with F.W. Sardeson near Broham, Minn.". November 15, 1913-July 29, 1914.
- NO-11456 Field notebook 253 with notes related to field investigations "near Cambridge, Minn."; "near St. Peter, Mankato, Wells, Albert Lea"; "in northeastern Minnesota with F.W. Sardeson and on trip to Hibbing with Peat Congress"; and "Louisiana and Arkansas data". July 30-August 30, 1914.
- NO-11457 Field notebook 254 with notes on: "relations of drift in northeastern Minn."; "in Rice and Goodhue counties in Iowan and Wisconsin drift"; "near Staples with F.W. Sardeson"; "in Cuyuna quad."; "near Pine River and Longville"; "Brainerd, Motley, Schelen News"; "Bemidji, Ridley, Kelleher with F.W. Sardeson"; "Esker near Grayling"; "Solon Springs, Wisconsin"; and "Drummond and Cable". August 31-October 9, 1914.
- NO-11458 Field notebook 255 with notes related to field investigations: "in northeastern Wisconsin on border of Lake Superior Lobe"; "Paynesville, Richmond, Melrose and Sauk Center"; "with Prof. Always, Northfield, Norstrand, Fairbault and Morristown"; "Litchfield, Kimball and Long Prairie"; and "with Alden and F.W. Sardeson near Fairbault and Hayfield on Iowan and Red Illinoian drifts". October 10-November 3, 1914.
- NO-11459 Field notebook 256 with notes related to field investigations: "with Alden and F.W. Sardeson in Dakota County"; "Minneapolis to Morehead and Halsted"; "study in Wadena and Todd counties"; "cuts near Woodville, Wisconsin show 3 drifts"; "notes at Madison, Wisconsin"; "Penck's shifting of climatic belts"; "St.

Louis to Steeleville, Missouri"; "Edwardsville to Monks Mound"; and waterworks at Salim, Michigan". November 4, 1914-January 12, 1915.

- NO-11460 Field notebook 257 with notes by F.W. Sardeson. Index at back of note book. July 12, 1913-November 12, 1914.
- NO-11461 Field notebook 258 with notes related to field investigations "with Weidman in Wisconsin Valley and near McGregor, Ia."; "Warren, Illinois to Iowa City and conference with Trowbridge"; "in Wash. County, Minn."; "down Mississippi to Pepin, Wis. and Hansing, Iowa"; "thin drift in northeastern Iowa and southeastern Minn."; "near Mondovi, Wisconsin and Woodville, Wisconsin, with F.W. Sardeson and Weidman"; "with Weidman in Western Wisconsin and northeastern Wisc."; "Anoka, Wazotu and Maple Plains"; and "study of Iowan drift in southeastern Minn.". May 31-July 17, 1915.
- NO-11462 Field notebook 259 with notes related to field investigations in: "Glencoe, Hutchinson, Mayer Mound"; "Howard Lake with F.W. Sardeson"; "Moose Lake channel"; "Palisade and vicinity"; "Duluth to Calumet, Goodland, Swan River and Grand Rapids, Minn."; "with Weidman and Lake Co. and at McGrath in east Pine Co."; "Fairbanks, Tormi and Brimson"; "in Carver and Rice Counties"; "Duluth to Green, Greeny, Mt. Lake Orr"; "embarrass outlet of pre-Agassiz Lake and Beacher and Lewis"; "Apogonquin beach at Duluth"; "Colrain oyster bed with F.W. Sardeson"; "trip from Colrairie Nebr. and Hibbing"; and "southwest of Minneapolis on Dan Patch Line". July 19-August 30, 1915.
- NO-11463 Field notebook 260 with notes related to field investigations "on Wisconsin drift in Rice, Waseca, Steele and Freeborn counties"; "Iowa City and Waterloo and Lyle"; "in Freeborn and in southwest Mower County"; "conference with Alden, Kay and Salisbury"; "in Iowa City on Iowan drift in northeastern Iowa"; "with Alden in southeastern Minn. and F.W. Sardeson and Weidman Lake City and Red Wing"; and "in southern Minnesota on Wisconsin drift mapping". August 31-October 6, 1915.
- NO-11464 Field notebook 261 with notes related to: "F.W. Sardeson on question of age of drifts in southwestern Minn."; "on Wisc. Drift in southern Minnesota"; "beaches in Duluth"; "data on Cook County"; "near Aitkin"; "Sauk Center to Round Prairie"; "Gibbon, Fairfax, Redwood Falls, Sleepy Eye, Lamberton, Ivanhoe, Marshall, Oliva, Sacred Heart"; and "maps of parts of Renville and Sibley counties". October 7-October 31, 1915.
- NO-11465 Field notebook 262 with notes by F. W. Sardeson on: "Bricelyn Blue Earth and vicinity"; "with G.F. Kay at Iowa City and Ft. Madison, Ia."; and "Clement Reeds letter to H.F. Osborn on Interglacial features of England". June 11-November 5, 1915.
- NO-11466 Field notebook 263 with notes on a trip to Colorado, the Pacific coast, and

Yellowstone National Park, Wyoming. May 30-August 17, 1916.

- NO-11468 Field notebook 265 with notes related to field investigations "in Pennsylvania near Williamsport and Warren"; "wells in Ann Arbor"; "levels Manistique to Steuben"; "Wiedman's notes on St. Croix Lake and Brule Outlet"; "striae in Wis. Mich. and Minn."; "lake Superior stations in Mich."; "studies in Wadena, Camp Custer, Mich."; "studies in Wadena, Becker and Hubbard Cos. Minn."; "trip to Winnipeg to confer with Johnston"; "field work Fertelo to NY Mills, Minn."; and "near Pillget, Kimberly and Moose Lake". May 22-October 6, 1917.
- NO-11469 Field notebook 266 with notes related to field investigations "on border post drift, Little Rock to Cherokee, Ia."; Storm Blake, Fort Dodge, Mason City, Iowa, and Hayfield, Minn."; "notes on Iowa Geol. Repts."; "notes on Kalamazoo, Galesburg, and Battle Creek quadrangles"; "field work in Elsie and Perrinton quad."; "near Chillicothe, Ohio with M. R. Campbell"; "notes on Lake Wadena in central Minn."; "studies near Augusta and Vicksburg, Mich."; "wells on Steen Farm near Ann Arbor"; and "map in Norman and Polk Cos., Minn.". October 9, 1917-April 7, 1918.
- NO-11470 Field notebook 267 with miscellaneous notes related to field investigations in Louisiana, Missouri, Illinois, Ohio, Kentucky, and Alabama. January 2-April 25, 1918
- NO-11471 Field notebook 268 with: "notes on field work in quads in Southern Mich."; "notes from Fuller's Economic and Social beginnings of Mich."; "studies in Three Rivers quad."; "soil analysis in Mich. (Marbut)"; "estimates of lakes and swamps in Mich."; "notes around Jackson with Jennings"; and "notes on land survey plats in Delta and other countries in north Michigan". June 19, 1918-May 11, 1919.
- NO-11472 Field notebook 269 with notes related to: "studies in N.E. Arkansas"; "studies in Southern Ill., Carbondale to Edwardsville"; "notes on lake levels boundary of Canada & U.S."; "Clements notes on N.E. Arkansas"; "notes at Edwardsville, Ill. and one trip east to Ann Arbor"; "loess samples near Bellville, Ill."; "Paleozoic tillite in Alaska"; and "notes on swamps near east end of northern peninsula of Mich.". November 15, 1918-September 22, 1919.
- NO-11473 Field notebook 270 with notes related to field investigations in Menominee, Delta and Mackinac Counties, Michigan. August 17- September 15, 1919.
- NO-11474 Field notebook 271 with notes related to field investigations in "quadrangles S.W. of Saginaw Bay". September 22-October 29, 1919.
- NO-11475 Field notebook 272 with notes related to "studies in quadrangles S.W. of Saginaw Bay" and "early publications on region bordering Lake Superior". October 30-November 20, 1919.

- NO-11476 Field notebook 273 with notes related to: "highway work in western Mich."; "notes in Iowa"; "soils collected in Iowa"; "Cleveland and Berea, Ohio, Quads"; "MacClintock letter on deposits at mouth of Wisconsin River"; "Alden's notes on eastern Nebr. And western Iowa"; and "notes from Miss. River Commission charts". May 17-June 25, 1920.
- NO-11477 Field notebook 274 with notes related to "studies in Iowa, Minn. and S. Dakota" and "studies in Stockbridge, Rives Jct. And Springport, Mich. quads". May 21-September 10, 1921.
- NO-11478 Field notebook 275 with notes related to field investigations "for Highway Dept."; "work on quads around Flint, Mich."; "highway work in Crawford and adjoining counties, Mich."; "ditto in Arenac and Occumon Cos."; "Roscommon and Accumon Cos."; "near Wolverine and Waters"; "field work in Durand and Holly quads"; "field work in Rives Jct. Springport and Stockbridge"; and "field work near Flint and Davison". July 13-September 29, 1921.
- NO-11479 Field notebook 276 with notes related to: "trip to Long Lake near Fenton"; Deperet and de La Motte, on French (?) features, etc."; "Megneto"; "Brooks"; "Hershey's Iowan drift limit in N.W. Ill."; "dunes on islands in Lake Mich. G.D. Fuller"; "wells near Steen Farm"; "data near Lansing with Grantham"; "studies in Missouri and Kansas and W. Illinois"; "fieldwork with O.H. Clark in Saginaw Basin"; and "data near Steen Farm". October 23, 1921-July 19, 1922.
- NO-11480 Field notebook 277 with notes related to field investigations in the Saginaw Basin, Michigan, with O.H. Clark. July 20-August 7, 1922.
- NO-11481 Field notebook 278 with notes related to: "studies in Saginaw Basin"; "soil survey of Charlevoix Co."; "study in Marshall quad"; "data from W.M. Gregory's surveys"; "altitudes in Mich."; "Gardner Williams data on Littlabowasse River"; and "Wisler on Jordon Riv. Etc.". August 8-October 6, 1922.
- NO-11482 Field notebook 279 with notes related to: "studies in Missouri"; "near Barry and Hannibal"; "Miss. River Commission charts"; "data from old notebooks on drift in Western Ill."; "notes by Todd on Sioux quad"; "F.C. Green on preglacial Missouri"; "notes from Weidman's Ms. on N.W. Wis."; and "notes on Huntington-Visher climatic changes". October 28, 1922-June 7, 1923.
- NO-11483 Field notebook 280 with notes related to: "studies in N.W. Wis."; "field work in Iasco and Ogenaw Cos."; "field work in Antrim Co. Mich."; and "exposures on campus and Steen Farm data". June 9, 1923-August 28, 1923.
- NO-11484 Field notebook 281 with: "notes on European features in DeGeer's N. America"; "data from old notebooks"; and "field work in Western Ill and N. E. Missouri". September 12-October 30, 1923.

- NO-11485 Field notebook 282 with notes related to: "conference with Leighton and Cox near Quincy, Ill."; "Miss. River Commission charts"; "data by C.O. Wesler on Antrim Co. streams"; "exposures at new heating plant Ann Arbor"; "quartzites in Ann Arbor like those found in Mo."; "Gibbonay Houck on drift near Cape Girardeau, Mo."; "notes on Weidman's Ms. on N.W. Wis."; "mapping in Marshall, Mich. quad"; "Jillson's notes on erratics in eastern Kentucky"; "studies on Illinoian border in Ind."; "studies in Southern Ohio"; "Lewis Co. Ky."; "trip with Jillson to Epworth boulder"; "report of botanist Tupper on wood from interglacial deposits, Adams Co. Ill."; and "studies in Ky.". October 30, 1923-July 12, 1924.
- NO-11486 Field notebook 283 with notes related to: "notes on Toronto Meeting British Ass'n. Adv. Sci."; "in Alpena and Roscommon Cos. Mich."; and "in Kentucky". July 15-September 12, 1924.
- NO-11487 Field notebook 284 with notes related to: "S.E. Missouri"; "T.C. Chamberlin's suggestions"; and "notes on Mich. well, etc.". September 13-November 3, 1924.
- NO-11488 Field notebook 285 with: "notes from G. H. Merrill, Fenneman, Culbertson, Richardson, Knutson, Ben Cox"; "Ypsilanti, N.W."; "E.W. Shaw on lower Mississippi"; "studies in Kansas and notes from Todds papers, etc."; "near Cedar Rapids and Mt. Veron, Ia."; and "with Kay, MacClintock and Apfel in N.E. and N.W. Ia.". May 28-July 6, 1925.
- NO-11489 Field notebook 286 with notes related to: "studies with Kay et al in Iowa"; "conference with T. C. Chamberlin"; and "S. E. Ohio and N.W. West Va.". July 7-August 26, 1925.
- NO-11490 Field notebook 287 with notes related to "S.E. Ohio and W. Va." and "Ohio River dams". August 27-October 18, 1925.
- NO-11491 Field notebook 288 with notes related to field investigations "in S.E. Ohio and W. Va."; "Ohio River dams"; "in southern Ind. and Ky."; "notes from Lamb on Beaver, MacClintack on Ill and Schoewe on Kansas"; "conference with T. C. Chamberlin"; "Davis"; "notes on papers by I.C. White, Courey, Lees and F. B. Taylor"; "studies in Ohio and W. Va."; and "studies in Western Penna.". October 19, 1925-July 31, 1926.
- NO-11492 Field notebook 289 with notes related to: "data on eccentricity of earth's orbit"; "studies in N.W. Penna."; "notes on Ms. by H. L. Fairchild, on Susquehanna Valley"; "notes from I. C. Whites, Rept., G.7. Penna. Geol. Survey, 79/80"; "notes in company with G.H. Ashley"; and "studies on W. Branch Susquehanna Valley". August 1-September 19, 1926.
- NO-11493 Field notebook 290 with notes related to "studies in eastern Penna. & N. J."; "conference and trips with Kummel"; "Bryn Mawr & Lansdown, Penna."; "studies in edge of New Jersey"; "studies in eastern Penna."; "Ramsay's

recognition of two drifts in Wales in 1854"; "G.F. Lamb notes from Dover and Canton, Ohio, quads"; "MacClintock on weathering of drift in S. Ill."; "Wentworth's data and collection of striated rocks on Potomac, and James River, et al."; "interview with Stephenson, Letter from C. H. Richardson"; and "Wegener's-Origin of continents and Ocean Basins". September 20-November 14, 1926.

- NO-11494 Field notebook 291 with: "notes on Huntington's 'Climatic Changes'"; "notes on Harris, 'Climatology'"; "Merrill's Development of glacial hypothesis"; "notes on papers by Colman, Tyrrell and Low"; "G.F. Lamb on Drainage in Ohio Basin"; "O.P. Hay, Review of Pleistocene of New Jersey"; "striae in New Jersey outside of Wisconsin drift"; "studies in New Jersey"; and "studies in eastern Pennsylvania". June 11-July 21, 1927.
- NO-11495 Field notebook 292 with notes related to field investigations "with Dr. F. Bascom near Bryn Mawr" and "with Dr. Kummel near Trenton, N.J.". July 22-September 28, 1927.
- NO-11496 Field notebook 293 with notes related to: "studies in New Jersey and along Delaware River in Penna."; "notes mostly on Penna."; "studies in Northern Penna."; "studies in White Mts., New Hampshire"; "Catskill Mts. studies"; "notes on paper for A.A.A.S. at New York, etc."; "studies in Western Pennsylvania"; "studies with G.F. Lamb in southeastern Ohio"; "near Delaware River in New Jersey and Pennsylvania"; "notes on submerged channels in Chesapeake Bay and in Potomac River"; "notes on high-level gravels by Campbell and Stose"; "notes by Knowlton on extinction of plants in glaciated districts"; "notes on C.E.P. Brooks 'Evolution of climate'"; "G.F. Lamb on Drainage features near Youngstown, Ohio"; "notes by E.B. Andrews, Louis Agassiz, C.H. Hitchcock, and others"; "notes on I.C. White's reports"; "E.H. Williams"; "studies in northwestern Pennsylvania, with Hughes and Legette"; "on Mt. Washington, New Hampshire, with Goldthwait and Antevs"; "with Chadwick and Antevs in Catskill Mountains"; "notes on glaciation outside of North America"; "studies in northwestern Pennsylvania and southeastern Ohio". September 29, 1927-May 25, 1929.
- NO-11497 Field notebook 294 with notes related to "well records in 'Newark Valley' at Basil and Baltimore, Ohio, showing the rock floor to be less than 500 feet" and "A.T. Studies in Florida". October 19, 1929-April 20, 1930.
- NO-11498 Field notebook 295 with notes related to field investigations: "near Cincinnati and northern Kentucky with Shideler"; "notes on Texas topography by D.C. Barton"; and "work from Fairhope, Mobile and Alabama". October 1930-January 1931.
- NO-11499 Field notebook 296 with notes related to: "studies in Florida"; "with C. Wythe Cooks near Washington, D.C."; and "with C. Wythe Cooke and Robert Merrill in studies of Atlantic Coast south from Washington, D.C.". January 28-May 7, 1931.

- NO-11500 Field notebook 297 with notes related to field investigations "with Johnson, Cooke and Merrill on Atlantic Coast"; "with same men from Tampa, Florida, to Houston, Texas"; "with Sellards and Merrill near Austin, Texas"; and "study of southwestern Ontario". May 8, 1931-September 17, 1933.
- NO-11501 Field notebook 298 with notes related to: "studies of moraines and beaches in southwestern Ontario and in Michigan"; "features of the Thumb of Michigan embrace"; and "southwestern Ontario". September 30, 1933-September 22, 1934.
- NO-11502 Field notebook 299 with notes on: field investigations in Ontario, Canada; correspondence with W.A. Johnston on "Ontario features and interpretations"; "indurated till in vicinity of Monroe, Michigan, which was an impediment to development of the harbor at the mouth of the Basin River, investigated by Leverett, Belknap, and Sensius, and testimony was given in Court at Detroit"; "a misinterpretation of the glaciation of Keweenaw Peninsula by M. L. Fernald, who infers no glaciation there because of presence of plants of Arctic type"; "notes of several field trips with George Stanley in southeastern Michigan"; "a trip to Rochester, New York, made with D.C. MacLachlan"; "a report on levels run under direction of Professor Bucher to the Epworth boulder near Maysville, Kentucky". October 27, 1934-October 24, 1937.
- NO-11503 Field notebook 300 with notes related to field investigations in: Essex County, Ontario, Canada; Macomb and St. Clair Counties, Michigan; the Jackson, Blissfield, and Dundee quadrangles, Michigan; near Springfield, Ohio ("with Professor Swinnerton, to determine the relation of the Miami and Scioto lobes of the early Wisconsin stage of glaciation"). April 12, 1938-September 22, 1942.
- NO-11504 Field notebook with "directions and suggestions for field assay of water". U.S. Geological Survey Division of Hydro-economics. 1904.
- NO-11505 Field notebook 1 with data on Michigan water wells, collected by Jon Andreas Udden. 1904.
- NO-11506 Field notebook 2 with data on Michigan water wells, collected by Jon Andreas Udden. 1904.
- NO-11507 Field notebook 3 with data on Michigan water wells, collected by Jon Andreas Udden. 1904.
- NO-11508 Envelope with 73-page manuscript entitled "Preliminary report on the surface formations of northern Kentucky", by Frank Leverett. A note on the cover page indicates that the report was prepared for publication by the Kentucky Geological Survey. Also included are related correspondence and four maps (with geologic annotations) of the Ohio River Valley between Cincinnati, Ohio and Owensboro, Kentucky.

- NO-11509 Expandable envelope with four folders:
- Folder 1. Miscellaneous notes and correspondence related to field investigations and publications on glacial geology by Frank Leverett. Included in Leverett's correspondence with T.C. Chamberlain (USGS Division of Glacial Geology) is a letter from John Wesley Powell congratulating Chamberlain on his paper "The rock scorings of the great ice invasion", to be included in the agency's seventh annual report. Circa 1886-1943.
 - Folder 2. Two sketch maps of eastern Livingston County, Illinois, with township overlay and geologic annotations. No date.
 - Folder 3. Two black and white photographic prints showing "Illinoian drift near Hastings, Minnesota". Photos taken by F.W. Sardeson, June 16, 1913.
 - Folder 4. Notes and data on beaches around Lake Superior and in the northern peninsula of Michigan. Circa 1913.
- NO-11511 Expandable envelope with three folders of indexes and lists documenting the contents of Leverett's field notebooks 1 through 300 (NO-11201 through NO-11503, above).
- NO-11512 Expandable envelope with eight folded "pocket" maps of Becker, Crow Wing, Freeborn, Meeker, Olmstead, Otter Tail, Todd, and Wadena Counties, Minnesota, most with geologic annotations.
- MA-02933 Map folder with 56 items:
- Two maps of the state of Indiana, with geologic annotations.
 - Two fragmentary maps of the state of Indiana, with geologic annotations.
 - 52 sheets with 74 county maps for Indiana, most with geologic annotations.
- MA-02934 Map folder with 36 items:
- One fragmentary map of Michigan, with geologic annotations.
 - One map of Livingston County, Michigan, with geologic annotations.
 - One glacial map of the upper midwestern United States.. 1925.
 - One map of the state of Michigan, with geologic annotations.
 - Eight geologically annotated 15' quadrangles for Michigan, including: Bay City, Camp Custer, Chesaning, Howell, Lansing, Mason, Rochester, and St. Charles.
 - 24 geologically annotated 1:48,000-scale quadrangles for Michigan, including: Benton Harbor, Cedar Springs, Chesaning, DeWitt, Durand, Fennville, Flint, Fowlerville, Holly, Ionia, Kalamazoo, Lowell, Mt. Pleasant, Perrington, Pontiac, Rives Junction, Rochester, Saginaw, Schoolcraft, South Haven, Springport, Stockbridge, Three Oaks, and Three Rivers.
- MA-02935 Map folder with 10 items:
- Four geologically annotated 30' quadrangles for North Dakota, including: Casselton, Fargo (2 copies), and Wyndmere.
 - Six geologically annotated county maps for South Dakota, including: Brookings, Hamlin, Deuel (2 copies), Minnehaha, and Moody Counties.

- MA-02936 Map folder with 59 items:
- 54 maps of Minnesota counties, all with geologic annotations.
 - Map legend defining glacial deposit types.
 - Four pages of correspondence and notes related to railroad elevations in the Lake Superior region, Minnesota.
- MA-02937 Map folder with 39 items:
- Glacial map of Indiana. 1914.
 - Glacial map of the southern peninsula of Michigan. 1914.
 - Map of the Euclid, Cleveland, and Berea quadrangles, Ohio, showing Pleistocene geology. 1931.
 - 36 geologically annotated 15' quadrangles (scale 1:62,500 except as noted) for Ohio and Michigan, including Alvordton, Ashtabula, Bellevue, Bluffton, Bowling Green, Bryan, Chardon, Columbus Grove, Conneaut, Continental, Defiance, Delphos (scale 1:48,000), Deshler, Elmore, Euclid, Findlay, Fostoria, Fremont, Kelleys Island, McClure, Mentor, Napoleon, Norwalk, Oberlin, Ottawa, Paulding, Perry, Pioneer, Sandusky, Swanton (two copies), Tiffin, Toledo, Van Wert, Vermillion, and Wauseon.
- MA-02938 Map folder with 12 items:
- One copy of the Kenova 30' quadrangle, Kentucky, West Virginia, and Ohio, with geologic annotations.
 - 11 geologically annotated 15' quadrangles for Indiana, Kentucky, Ohio, Pennsylvania, and West Virginia, including Belleview, Cameron, Greenup, Guyandot, Lawrenceburg, Milton, New Martinsville, Point Pleasant, Ravenswood, Saint Albans, and Wellsville.
- MA-02939 Map folder with 51 items:
- Two geologically annotated 15' x 30', 1:62,500-scale topographic maps of the Camp Sherman and Cincinnati areas, Ohio and Kentucky.
 - 49 geologically annotated 15' quadrangles for Ohio, Pennsylvania, and West Virginia, including Alliance, Athens, Bainbridge, Blanchester, Brinkhaven, Canal Dover, Canton, Carrollton, Ceredo, Columbiana, Conesville, Coshocton, Frazeyburg, Fredericktown, Gambier, Greenfield, Hamilton, Hillsboro, Ironton, Keno, Lancaster, Laurelville, Logan, Loudonville, Marietta, Mason, Mechanicsburg, Millersburg, Morrow, Navarre, New Matamoras, Newark, Peebles, Perrysville (two copies), Philo, Piketon, Roxabell, Sabina, Salineville, Sciotoville, South Charleston, Springfield, St. Clairsville, Thornville, Waverly, Xenia, Youngstown, and Zanesville.
- MA-02940 Map folder with 60 items:
- 52 geologically annotated 15', 1:62,500-scale topographic maps of New Jersey, New York, and Pennsylvania, including: Allentown, Beaver (2 copies), Bloomsburg, Blossburg, Delaware Water Gap, Eagles Mere, Easton, Erie, Fairview, Freeport, Franklin, Girard, Hackettstown, Harrisburg,

Hazelton, Hilliards, Hughesville, Kittanning, Lancaster, Mahanoy, Mauch Chunk, Mercer, Milton, Neshannock, Newcastle, New Kensington, Oil City, Penfield, Pittsburgh, Pocono, Quarryville, Sewickley, Shamokin, Shickshinny, Slatington, Stoneboro, Stoddartsville, Sunbury, Tidioute, Tionesta, Titusville, Townville, Trout Run, Union City, Warren, Warrensville, Wilkes-Barre, Williamsport, Wind Gap, Youngsville, and Zelmanople.

- Eight geologically annotated 15', 1:48,000-scale topographic maps of New Jersey, New York, and Pennsylvania, including: Corry, Coudersport, Genesee, La Porte, Millville, North East, Tidioute, and Waterville.

MA-02941 Map folder with 49 Illinois county maps, some with annotated geology.

MA-02942 Map folder with 29 items:

- 13 Iowa county maps showing surficial deposits.
- Six Iowa county maps with geologic annotations.
- Eight geologically annotated 30', 1:125,000-scale topographic maps of Iowa, including Decorah, Elkader, Fairfax, Farley, Oelwein, Peosta, Waukon, and Winthrop.
- Two geologically annotated 15', 1:62,500-scale topographic maps of Iowa, including Ames and Boone.

MA-02943 Map folder with 30 items:

- 28 Minnesota county maps with annotated geology.
- Map of Minnesota, with geologic annotations.
- Map of surface formations in Minnesota.

MA-02944 Map folder with nine items:

- Seven geologically annotated 1:25,000-scale maps of northwestern Italy, including the Azeglio, Biella, Borgomasino, Caluso, Cigliano, Ivrea, and Strambino sheets.
- One 1:200,000-scale map of northeastern Italy, with geologic annotations.
- Envelope of notes on glaciers in the Italian Alps.

MA-02945 Map folder with 18 Michigan county maps, some with geologic annotations.

MA-02946 Map folder with 11 items:

- Three Michigan county maps, some with geologic annotations.
- Map of the Forestville and Charleston areas, Huron and Sanilac Counties, Michigan, with geologic annotations.
- Three sketch maps of Beaver, High, and Hog Islands, Michigan, with geologic annotations.
- Map of Flint, Michigan, with geologic annotations.
- Pleistocene surface geology map of Huron County, Michigan.
- Soil map for the Owosso area, Michigan.
- Surface formation map of southern Michigan.

- MA-02947 Map folder with four items:
- Three Minnesota county maps (Carlton, Roseau, and St. Louis) with geologic annotations.
 - One base map for Minnesota.
- MA-02948 Map folder with 46 items:
- Five partial road maps of Michigan, with geologic annotations.
 - 41 Michigan county maps, most with geologic annotations.
- MA-02949 Map folder with 15 items:
- 10 Michigan county maps, some with geologic annotations.
 - Geologic map of the Crystal Falls District, with geologic annotations.
 - Two maps of the Upper Peninsula of Michigan, with geologic annotations.
 - Two maps showing lands of the Cleveland-Cliffs Iron Company in Michigan.
- MA-02950 Map folder with five items:
- Map showing glacial boundaries in Greene, Monroe, and Owen Counties, Indiana.
 - Maps of Lake and Porter Counties, Indiana, with geologic annotations.
 - Unannotated maps of Gibson and Pike Counties, Indiana.
 - Map of Indiana with geologic annotations.
 - Natural gas map of Indiana, with geologic annotations.
- MA-02951 Map folder with 33 items:
- Drainage survey map of ceded (Chippewa) lands in Minnesota .
 - Two maps of Minnesota with geologic annotations.
 - Five surface formation maps of parts of Minnesota.
 - Soil map of the Crookston area, Minnesota. Scale 1:63,360.
 - Real estate map of Aitkin, Cass, Crow Wing, Hubbard, Itasca, Todd, Wadena, and Mille Lacs Counties, Minnesota, with geologic annotations.
 - Map of Duluth, Minnesota, with geologic annotations. 1902.
 - Map of the Duluth and Northern Minnesota Railway line, with geologic annotations.
 - Maps of Lake, Pine, St. Louis (in two parts), and Traverse Counties, Minnesota, with geologic annotations.
 - One geologically annotated 30', 1:125,000-scale topographic map of Wahpeton, Minnesota.
 - Nine geologically annotated 15', 1:62,500-scale topographic maps of Minnesota, including Barrett, Cuyuna, Duluth, Herman, Minneapolis, Perham, Pillager, St. Francis, and Wendell.
 - Six geologically annotated 15', 1:48,000-scale topographic maps of Minnesota, including Aitkin, Brainerd, Cuyuna, Deerwood, Pillager, and Wendell.
- MA-02952 Map folder with 14 items:
- Map of Minnesota, with geologic annotations. 1905.

- 13 Minnesota county maps, with geologic annotations.

MA-02953 Map folder with 10 geologically annotated Minnesota county maps.

MA-02954 Map folder with 23 items:

- Map of hunting and fishing resorts in northern Michigan and northern Wisconsin, with geologic annotations.
- Two maps of Wisconsin, with geologic annotations.
- Precambrian and Cambrian map of north-central Wisconsin.
- Pleistocene map of north-central Wisconsin.
- Sketch map of driftless areas of northwestern Wisconsin.
- 15 Wisconsin county maps, most with geologic annotations.
- Map of the western portion of the northern peninsula of Michigan, with geologic annotations.
- Soil map of northwestern Wisconsin, with geologic annotations.

MA-02955 Map folder with seven items:

- Three Ohio maps (one in three parts), with geologic annotations.
- Map of Erie County, Ohio, with geologic annotations.
- Map legend for "old Ohio glacial maps used in field work".

MA-02956 Map folder with 13 items:

- Three geologically annotated 15', 1:62,500-scale topographic maps of Michigan, including Crystal Falls, Sagola, and Witbeck.
- Five Michigan county maps, with geologic annotations.
- Map of the Keweenaw Copper Range, Michigan.
- Map of the Ontonagon copper-silver region and the Gogebic Iron region, Michigan, with geologic annotations.
- Three maps of the northern peninsula of Michigan, with geologic annotations.

MA-02957 Map folder with five items:

- Two maps of North Dakota, with geologic annotations.
- Soil map of Richland County, North Dakota, with geologic annotations.
- Map of South Dakota, with geologic annotations.
- Map of Codington County, South Dakota, with geologic annotations.

Published as: U.S. Geological Survey. Monograph 38. 1899.

Published as: U.S. Geological Survey. Water supply paper 21. 1899.

Published as: U.S. Geological Survey. Water supply paper 26. 1899

Published as: U.S. Geological Survey. Geologic atlas of the United States. Folio 67. 1900.

Published as: U.S. Geological Survey. Monograph 41. 1902.

Published as: U.S. Geological Survey. Water supply paper 182. 1906.

Published as: U.S. Geological Survey. Water supply paper 183. 1907.

Published as: Michigan Geological Survey. Publication 7. 1911.

Published as: Michigan Geological Survey. Publication 9. 1912.

Published as: U.S. Geological Survey. Monograph 53. 1915.

Published as: U.S. Geological Survey. Geologic atlas of the United States. Folio 155. 1915.

Published as: Minnesota Geological Survey. Bulletin 12. 1915.

Published as: Minnesota Geological Survey. Bulletin 13. 1917.

Published as: Michigan Geological Survey. Publication 25. 1917.

Published as: Minnesota Geological Survey. Bulletin 14. 1919.

Published as: Kentucky Geological Survey. Bulletin 31. 1929.

Published as: U.S. Geological Survey. Bulletin 818. 1931.

Published as: U.S. Geological Survey. Professional paper 161. 1932.

Published as: Pennsylvania Bureau of Topographic and Geologic Survey. Bulletin G-7. 1934.