

University of Wyoming-  
American Heritage Center

Guide to the

*Frederic H. Lahee Collection*

Accession # 5041

June 12, 1973

Copy

THE FREDERIC H. LAHEE COLLECTION

RECEIPT for the gift received of The Frederic H. Lahee Estate

BOOKS

|               |  |
|---------------|--|
| <u>Box #2</u> | Field Geology, McGraw-Hill Book Company, 1931, Lahee |
| <u>Box #3</u> | " " " " " " 1941 " , fourth edition                  |
| <u>Box #1</u> | " " " " " " 1951 " , fifth edition                   |
| <u>Box #1</u> | " " " " " " 1961 " , sixth edition, proofs           |
| <u>Box #2</u> | " " , in Arabic - paperback                          |
| <u>Box #3</u> | <i>Five record books</i>                             |

BOOKLETS

*Box #3*

Aerial Photogrammetry, 1940  
 American Association of Petroleum Geologists, 1932  
 American Geological Institute, 1951  
 Federal Power Commission, Docket No. G-19666 et al., 1960  
 Hand - Specimen Petrology, 1947  
 Opinion and Order Determining Cost of Service and Termination Proceedings, 1960  
 Prepared Testimony of J. Rhoads Foster, 1960  
 Supply-Demand, Cost and Market Price Trends Related to the Question of  
 Initial Price of Catc Supplies, 1960  
 Tables for A Polyconic Projection of Maps and Lengths of Terrestrial Arcs of  
 Meridian and Parallels, 1946  
 Trends in Productivity of Drilling for Hydrocarbons, 1959

DRAWINGS

Box #4

One large folder full of all types of geological drawings done by Lahee  
30 large pamphlets full of geological drawings by Lahee (white pamphlets)  
A large group of drawings held by a large paper clip. The drawings  
of geological works on light blue paper.

*Some drawings pertain to illustrations in  
Field Geology.*

FILM

Box #3  
Cold storage

Two containers of reel film, entitled Venezuela I and II 1926  
Another reel can entitled Trip To Mexico City Row and Lahee, November  
1935

FOLDERS

Box #5

F - 2a - 1948, 1949, Correspondence with users of book. (No useful  
replies)

F - 2d - 1950, Correspondence with McGraw-Hill

F - 2a - 1951, Correspondence with users of Book, Field Geology

2 N "Air" for "Aerial, 1951

F - 2d - 1951, Correspondence with McGraw-Hill

F - 2a - 1952, Correspondence with users of the book Field Geology

F - 2d - 1952, Correspondence with McGraw-Hill

F - 2f - 1952, Notes for Changes and Corrections in 5th Edition

F - 2d - 1953, General correspondence with McGraw-Hill

F - 2f - 1953, Notes for changes and corrections in 5th edition

F - 2h - 1954, Further changes for 2nd impression of 5th edition

F - 2f - 1954, Notes for changes and correspondence in 5th edition

(also reviews)

F - 2a - 1955, General correspondence with McGraw-Hill

F - 2g - 1953, Notes for 6th edition

5th - edition, Chapter 3

5th - edition, Chapter 4

5th - edition, Chapter 5

5th - edition, Chapter 8

5th - edition, Chapter 9

5th - edition, Chapter 10

5th - edition, Chapter 13

5th - edition, Chapter 15

5th - edition, Chapter 16

5th - edition, Chapter 17

5th - edition, Chapter 18

5th - edition, Chapter 19

5th - edition, Chapter 21

5th - edition, Chapter 23

5th - edition, Originals for new figures

5th - edition, edit appendix

Box #6

Box #7

FOLDERS - cont.

- Notes for sixth edition
- Correspondence with McGraw-Hill on sixth edition
- Notes for sixth edition
- Sixth edition Manuscript and proofs
- Figures for sixth edition
- 22 - Papers for World Congress Rome, 1955
- Ac-42 - History of Exploratory Drilling Work, 1950
- Papers on Reserves by F. H. L. for 1950 Spring A. P. I. Meeting, 1950
- Chapter for American Petroleum Industry
- Most pressing correspondence
- D - Articles
- AAPG - Ig Rock Symposium - Argentina
- F - 2a - General

PAMPHLETS

- Advanced Map and Aerial Photograph Reading, 1944
- Contributions of Petroleum Geology to Pure Geology in the Southern Mid-Continent Area, 1932
- Crystalloblastic Order and Mineral Development in Metamorphism, 1914
- Frederic Henry Lahee, 1884-1968, Memorial To -, 1971, four copies
- Graphic Determination of Dip Components Where Dips are Measured in Feet Per Mile,,
- Precision Altimeter Survey Procedures
- Problem of Crooked Holes
- Proved Reserves of Crude Oil, Natural Gas Liquids and Natural Gas, 1957  
2 copies
- Oil and Gas Fields of the Mexia and Tehuacana Fault Zones, Texas
- Recrod of Altimeter Observations
- Report of the Fourth Texas Surveyors' Short Course Conference
- Surveying Altimeters
- The Origin and Development of the Barometer and Altimeter
- The Second Derivative Method of Gravity Interpretations

PHOTOGRAPHS

- Box #9 - Three large black photograph albums
- \* { on shelf } - One small box black in color with negatives inside
- { Box 9A

\* See attached inventory of negatives

REPRINTS

- Oil In Peru, reprinted from Bulletin of the American Associations of Petroleum Geologists, January, 1926, two copies
- The Petroliferous Belt of Central-Western Mendoza, Province, Argentina, reprinted from Bulletin of the American Association of Petroleum Geologists, March, 1927
- Outline for the Study of the Crooked Hole Problem with Particular Reference to the Geological Aspects, reprinted from American Association of Petroleum Geologists (A.A.P.G.)
- The East Texas Oil Field, reprinted from A.A.P.G.
- Unit Operation and Unitization in Arkansas, Louisiana, Texas and New Mexico, reprinted from Transactions of the American Institute of Mining and Metallurgical Engineers, 1930
- The Geologist in Industry, reprinted from School and College Placement, 1947
- Correction in Articles on "Wildcat Drilling in 1935 and 1936" Published in the Bulletin pages 1079-1082, reprints from A.A.P.G., 1937
- Wildcat Drilling in 1939, reprinted from the A.A.P.G., 1940
- " " " 1937, " " " " " "
- " " " 1940 " " " "
- " " " 1938 " " " "
- " " " 1942 " " " "
- Depth Classification of New-Filled Wild Cats Drilled in 1948 in United States, reprinted from the A.A.P.G., 1949
- Degrees of Success in Wildcat Drilling, reprinted from AAA.P.G., 1951, five copies
- Review of Exploratory Drilling Statistics, 1938-1944, reprinted from A.A.P.G., 1945, two copies
- Exploratory Drilling in 1944, reprinted from A.A.P.G., 1945, two copies
- Exploratory Drilling in 1945, reprinted from A.A.P.G., 1946
- Exploratory Drilling in 1946, reprinted from A.A.P.G., 1947
- Exploratory Drilling in 1948, reprinted from A.A.P.G., 1948
- Exploratory Drilling in 1949, reprinted from A.A.P.G., 1950
- Exploratory Drilling in 1950, reprinted from A.A.P.G., 1951
- Exploratory Drilling in 1951, reprinted from A.A.P.G., 1952, two copies
- Exploratory Drilling in 1952, reprinted from A.A.P.G., 1953
- Exploratory Drilling in 1952, reprinted from A.A.P.G., 1954
- Exploratory Drilling in 1954, reprinted from A.A.P.G., 1955, two copies
- Exploratory Drilling in 1955, reprinted from A.A.P.G., 1956
- Exploratory Drilling in 1961, reprinted from A.A.P.G., 1962
- Frederic Henry Lahee- Honorary Member, reprinted from A.A.P.G., 1947
- Frederic Henry Lahee, Powers Memorial Medalist, reprinted from A.A.P.G., 1953
- The Geologist in Industry, reprinted from School and College Placement, 1947
- Operations in Texas Outside of the Gulf Coast District, reprinted from A.A.P.G., 1926
- Report of Committee on College Curricula in Petroleum Geology, reprinted from A.A.P.G., 1944

Box # 10

REPRINTS - cont.

Box #10

- Report of Committee on College Curricula, reprinted from A.A.P.G., 1942  
two copies
- Report of Committee on College Curricula in Petroleum Geology, reprinted  
from A.A.P.G., 1943, two copies
- Petroleum Geology, Presidential Address, reprinted from A.A.P.G., 1933
- Contributions of Petroleum Geology to Pure Geology in the Southern Mid-  
continent Area, reprinted from the Bulletin of the Geological Society  
of America, 1962
- American Geographical Society, reprinted from A.A.P.G., 1908
- Relations of the Degree of Metamorphism to Geological Structure and to Acid  
Igneous Intrusion in the Narragansett Basin, Rhode Island, reprinted  
from Journal of Science, 1912, two copies
- Program of Radioactivity Surveys in Petroleum Exploration, reprint from  
American Institute of Chemical Engineers
- Where Will Young Graduates in Petroleum Geology Acquire Field Experience,  
reprinted from A.A.P.G., 1940
- Symposium on Reservoir Conditions in Oil and Gas Pools, reprinted from  
A.A.P.G., 1932, two copies
- Further Notes on the Origin and Nature of The Currie Structure, Navarro  
County, Texas, reprinted from A.A.P.G., 1916
- The Occurrence of Oil and Natural Gas, reprinted from The Scientific  
Monthly, 1934
- A Study of the Evidences for Lateral and Vertical Migration of Oil,  
reprinted from Problems of Petroleum Geology, 1934
- Petroleum Geology, Presidential Address, reprinted from A.A.P.G., 1953
- Preface, reprinted from Problems of Petroleum Geology, 1934
- Our Oil and Gas Reserves: Their Meaning and Limitations, reprinted from  
A.A.P.G., 1950

MISCELLANEOUS

Box #10

- Small group of unidentified drawings
- Five ~~plates~~ <sup>pages</sup> of newsletters 1933, 1958, 1959
- Report on Terminology of Petroleum Reserves
- Report on History of Reporting on Exploratory Drilling
- " " How Many Fields Really Pay Off?
- " " Industry Data on Exploratory Drilling United States - - Louisiana
- Lecture on Relations of Geology to Leasing and the Location of Wells
- Report on The Part Played By Statistics in Exploration
- " " Data Related to the Problem of Translating Cost of Service into  
Specific Prices for Gas in the Producers' Market
- Preprints - two pieces
- A Memorandum on Classification of Holes
- A small brown note book
- Newspaper, Sun News, Dallas Texas, June 1956
- Newspaper, California Oil World, December 10, 1931
- Newspaper article entitled The Oil Daily, November 1958

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Gene M. Gressley  
Director

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Accession #05041-73-06-12  
Addendum to Inventory #5041  
the Frederick Henry Lahee Collection

(see p. 3 of inventory)

Box  
9A {  
Negatives--Celluloid Base (measure 3 1/2 x 4 1/2")  
Quantity: 152  
Subjects: Buildings  
          Camping  
          Geology  
          Lakes  
          Mountain railroads  
          Mountaineering  
          Mountains

Negatives are otherwise unidentified, and were cataloged  
by the photograph division on 5-13-85.

  
Paula J. McDougal  
Photo Archivist  
A. A. III

A-Ahc/pjm/5/13/85



# MEMORIAL TO FREDERIC HENRY LAHEE

1884-1968

WILLIAM B. HERROY, JR.

Box 193, Southern Methodist University, Dallas, Texas 75222



After a short illness, Frederic Henry Lahee died in a hospital in Fort Worth, Texas, on December 5, 1968. It is characteristic of Fred Lahee that very few of his friends knew that he was ill or that his illness was serious.

In reading over Fred's accomplishments, it becomes clear that he would have succeeded in almost any endeavor he set his mind to; how fortunate for our profession that he concentrated on geology. Fred was born in Hingham, Massachusetts, on July 27, 1884. His mother was trained as a concert pianist, and his father was Secretary of the New England Conservatory of Music for several years until he organized a bureau for the placement of musicians. Fred, his sister, and brother all had strong musical interests and talents. This musical talent has continued in the family, for one of Fred's daughters, Mrs. Ruth Marble, is a professional musician in Dallas, Texas, today.

There never was any question in Fred's mind that he would go to Harvard, and he had pretty well decided that he would study some branch of natural history. The decision to concentrate on geology came during his junior year because it offered a better chance to travel. He graduated *magna cum laude* in 1907 and was elected to Phi Beta Kappa. As a graduate student at Harvard, he served as an assistant and instructor, receiving his A.M. in 1908 and Ph.D. in 1911. Following Harvard, Fred accepted an instructorship at Massachusetts Institute of Technology where he became Assistant Professor in 1915 and Associate Professor in 1918.

In the summer of 1917, Fred worked for Myron Fuller of Fuller and Clapp, Consulting Geologists in West Virginia, conducting a survey for Sun Oil Company. The following year Sun made him a tempting offer of full-time employment, and by 1920 he had risen to Chief Geologist. He held that position until 1947 when he was made Geological Counsellor, serving in that capacity until his retirement in 1955 at age 71.

Fred's geological career went a long way toward satisfying his desire to travel as well as his broad scientific interests. He worked on the many geological interests of the Pew family including oil, gas, sulphur, base metals, irrigation and farming, oil shales, etc. His interest in drilling and drilling statistics is well known, but he was also an early student of "crooked holes." This interest in TO Sun's work on well surveying which resulted in the Sperry-Sun well

## FREDERIC HENRY LAHEE

surveying gyroscopic instrument. As Chairman of the American Association of Petroleum Geologists Committee on Statistics of Exploratory Drilling, Fred organized the exploratory drilling reports for the *A.A.P.G. Bulletin* from 1919 through 1955.

Fred's honors were many, the most noteworthy being "Honorary Member of the A.A.P.G.", "Life Member" of the Dallas Geological Society, two "Certificates of Appreciation" from American Petroleum Institute for his many contributions, and the Sidney Powers Memorial Medal (A.A.P.G. 1953). He was A.A.P.G. Editor from 1929 to 1932 and President of the Association in 1931-1933.

In 1912, Fred Lahee married Lucasta ("Louie") Karr Hodge who shared his many friends and interests. The Lahees had two sons and two daughters: Henry (Harry) now living in Houston; John, who lived with his father until his death; Genevieve (Mrs. Charles W. Allen) in Portland, Maine; and Mr. Ruth Marble of Dallas, Texas. Fred was very proud of his children and grandchildren and learned just a few days before his death that he would be a grandfather. One of his granddaughters is a doctor of veterinary medicine (Texas A. & M.), and a grandson is a Rhodes Scholar (Bowdoin). Fred had a long and happy marriage beginning in 1912. His wife preceded him in death by a few years.

Fred was justifiably proud of two non-geological accomplishments, dancing and figure skating, both of which he did exceptionally well. At the age of 8, he skated the tango at the Dallas Figure Skating Club's annual ice show. He began skating with the Cambridge Skating Club in 1903 and successively passed the bronze, silver, and gold medal tests before his graduation from Harvard. Subsequently, he passed a number of U.S. Figure Skating Association tests; all but one of them were silver. His love of dancing was legend in the social world of geologists, and at the time of his death he was an active member of the Desayuno Dance Club in Dallas.

The last time I talked to Fred Lahee he was enthusiastic about a new book he was working on, a beginning geology text for secondary school students. His "Field Geology" first published in 1916 had its 6th edition printed in 1961, a record that will not easily be duplicated.

### BIBLIOGRAPHY OF FREDERIC HENRY LAHEE

- 1910 Dodecahedral jointing due to strain of cooling: *Am. Jour. Sci.*, v. 29, p. 169-170.  
 1912 Crescentic fractures of glacial origin: *Am. Jour. Sci.*, v. 35, p. 41-44.  
 Relations of the degree of metamorphism to geological structure and acid igneous intrusion in the Narragansett Basin, Rhode Island: *Am. Jour. Sci.*, v. 35, p. 249-261, 354-371, and 447-469.  
 1913 Geology of the new fossiliferous horizon and the underlying rocks, in Littleton, New Hampshire: *Am. Jour. Sci.*, v. 36, p. 231-250.  
 1914 Late Paleozoic glaciation in the Boston Basin, Massachusetts: *Am. Jour. Sci.*, v. 37, p. 316-318.

- 1914 Contemporaneous deformation: A criterion for aqueo-glacial sedimentation: *Jour. Geology*, v. 22, p. 786-790.
- Crystalloblastic order and mineral development in metamorphism: *Jour. Geology*, v. 22, p. 500-515.
- 919 Graphic determination of dip components where dips are measured in feet per mile: *Econ. Geology*, v. 14, p. 262-266.
- Geologic factors in oil prospecting: *Econ. Geology*, v. 15, p. 350-354.
- 1920 Relation of oil pools to ancient shore lines: *Econ. Geology*, v. 15, p. 350-354.
- 1921 Use of the terms, "erosion," "denudation," "corrosion," and "corrosion": *Sci. new series*, v. 54, p. 13.
- 1923 (with Wallace E. Pratt) Faulting and petroleum accumulation at Mexico, Texas: *Am. Assoc. Petroleum Geologists Bull.*, v. 7, p. 226-236.
- The Currie Field, Navarro County, Texas: *Am. Assoc. Petroleum Geologists Bull.*, v. 7, p. 25-36.
- Seritization and dolomitization compared with the fixed carbon ratio of coal as indices of metamorphism in oil-bearing formations: *Am. Assoc. Petroleum Geologists Bull.*, v. 7, p. 291-293.
- 1924 The education of the geologist: *Econ. Geology*, v. 19, p. 684-686.
- Note on the origin of petroleum: *Am. Assoc. Petroleum Geologists Bull.*, v. 8, p. 669.
- 1925 The Wortham and Lake Richland faults: *Am. Assoc. Petroleum Geologists Bull.*, v. 9, p. 172-175.
- Comparative study of well logs on the Mexia type of structure: *Am. Inst. Mining and Metal Engrs., Trans.*, Feb., p. 1-21.
- Further notes on the origin and nature of the Currie structure, Navarro County, Texas: *Am. Assoc. Petroleum Geologists Bull.*, v. 10, p. 61-71.
- 1926 Discussion of redbed bleaching: *Am. Assoc. Petroleum Geologists Bull.*, v. 10, p. 636.
- The petroliferous belt of central-western Mendoza Province, Argentina: *Am. Assoc. Petroleum Geologists Bull.*, v. 11, p. 261-278.
- Oil and gas fields of the Mexia and Tehuacana fault zones, Texas: *in Structure of American oil fields*: *Am. Assoc. Petroleum Geologists Bull.*, v. 11, p. 303-388.
- 1928 The Clay Creek Dome, Washington County, Texas: *Am. Assoc. Petroleum Geologists Bull.*, v. 12, p. 1166.
- Discussion of tension faulting: *Am. Assoc. Petroleum Geologists Bull.*, v. 13, p. 638.
- 1929 Discovery of new pools: *Am. Assoc. Petroleum Geologists Bull.*, v. 13, p. 849.
- The Problem of crooked holes: *Am. Assoc. Petroleum Geologists Bull.*, v. 13, p. 1095-1162.
- Outline for the study of the crooked hole problem: *Am. Assoc. Petroleum Geologists Bull.*, v. 13, p. 854-859.
- 1931 The Clay Creek Dome, Washington County, Texas: *Am. Assoc. Petroleum Geologists Bull.*, v. 15, p. 279-283.
- Discussion of cap-rock petrography: *Am. Assoc. Petroleum Geologists Bull.*, v. 15, p. 528.
- The Clay Creek Dome, Washington County, Texas: *Am. Assoc. Petroleum Geologists Bull.*, v. 15, p. 1113-1116.
- 1932 Bioherm and biostrome: *Am. Assoc. Petroleum Geologists Bull.*, v. 16, p. 484.
- Oil seeps and oil production associated with volcanic plugs in Mendoza Province, Argentina: *Am. Assoc. Petroleum Geologists Bull.*, v. 16, p. 819-824.
- Contributions of petroleum geology to pure geology in the southern midcontinent area: *Geol. Soc. America Bull.*, v. 43, p. 953-964.
- 1933 Symposium on reservoir conditions in oil and gas pools: *Am. Assoc. Petroleum Geologists Bull.*, v. 16, p. 861-865.
- (with H. D. Wilde, Jr.) Simple principles of efficient oil-field development: *Am. Assoc. Petroleum Geologists Bull.*, v. 17, p. 981-1002.
- Some facts concerning the occurrence of oil and natural gas: *Nat. Better Bus. Bur. Inc. Bull.*, 89, 5 p.
- 1934 A study of the evidences for lateral and vertical migration of oil: *Am. Assoc. Petroleum Geologists Bull.*, v. 18, p. 399-427.
- The occurrence of oil and natural gas: *Scientific Monthly*, v. 38, p. 467-470.
- 1936 Lateral migration of oil at Van, Texas: *Am. Assoc. Petroleum Geologists Bull.*, v. 20, p. 615.

- 1944 Standardization in compiling and reporting data on oil reserves: *Am. Assoc. Petroleum Geologists Bull.*, v. 28, p. 1217-1219.
- 1945 Review of exploratory drilling statistics, 1938 to 1944: *Am. Assoc. Petroleum Geologists Bull.*, v. 29, p. 1581-1592.
- 1949 Depth classification of new-field wildcats: *Am. Assoc. Petroleum Geologists Bull.*, v. 33, p. 1283-1284.
- 1951 Degrees of success in wildcat drilling: *Am. Assoc. Petroleum Geologists Bull.*, v. 35, p. 138-140.
- 1955 The terminology of petroleum reserves: Fourth World Petroleum Cong. Proc., Rome, Sec. II/H, 4 p.
- 1956 The last twelve years of exploratory drilling in the United States: *Mines*, Nov., p. 36-40.
- 1958 Statistics on natural-gas discoveries: *Am. Assoc. Petroleum Geologists Bull.*, v. 42, p. 2037-2047.