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Karl S. Twitchell Papers, 1911-1967: Finding Aid

Summary Information

Call number:	MC171
Location:	Princeton University Library. Department of Rare Books and Special Collections. Seeley G. Mudd Manuscript Library. Public Policy Papers. 65 Olden Street Princeton, New Jersey 08540 USA
Size:	13.76 linear feet (33 boxes and oversized)
Language(s) of material:	English, Arabic.
Abstract:	Karl S. Twitchell was an American mining engineer who conducted extensive surveys in the Middle East, Europe, and South America between 1915 and the 1950s. His papers document the span of his career, particularly his interest in the Middle East, and include correspondence, journals, notes, reports, writings, topical files, photographs, and maps. Personal documents and correspondence with family and associates are also contained.

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Biography of Karl S. Twitchell

Karl S. (Saben) Twitchell (born in St. Albans, Vermont on June 7, 1885) was an American mining engineer and geologist who conducted extensive mineral surveys in the Middle East between 1927 and the 1950s. He attended Kingston School of Mines, Queen's University in Kingston, Ontario and graduated with a BS in 1908 and an ME in 1909. Between 1908 and 1915, Twitchell worked as an assayer, surveyor, prospector, and engineer in California, Idaho, and Arizona for various British and American companies, including Delamar Ltd. While working in a copper mine in Arizona, Twitchell met Colonel Seeley W. Mudd, who offered Twitchell an opportunity to work on developing the Skouriotissa Gold Mine in Cyprus in 1915. This pivotal early project ultimately led to a variety of mining projects in Portugal, Abyssinia (present day Ethiopia), Iran, and British Guiana. Twitchell's most significant work, however, took place in Yemen and Saudi Arabia.

As a gift to Imam Yahiz, businessman Charles R. Crane hired Twitchell to survey mine resources, develop transportation infrastructure, and conduct agricultural experiments in Yemen during the later 1920s and early 1930s. Based on his successes in Yemen, a similar arrangement for surveying water resources, later to include mineral and oil surveying, was negotiated in 1932 for King Ibn Saud of Saudi Arabia. On behalf of Standard Oil Company of California, Twitchell negotiated the first ever oil concession with the Saudi Arabian government in May 1933. With negotiations successfully completed, Twitchell began developing Mahad Dhahab and other mines in Saudi Arabia on behalf of the newly formed Saudi Arabian Mining Syndicate, which later included and was managed by the American Smelting and Refining Company. Other professional projects during this time include exploration and development of Placer Diamond Mine in British Guiana, serving as Vice President and consultant for American Eastern Corporation, consulting in Iran as part of its "Seven Year Plan," and leading the Agricultural Mission to Saudi Arabia in 1943-1944.

As an American businessman with a strong connection to the Middle East, Twitchell was involved with several philanthropic and academic organizations which had an interest in the region, including American Middle East Relief, Council on Islamic Affairs, Committee for Security and Justice in the Middle East, and Princeton University's Department of Oriental Languages and Literature Graduate Advisory Council. Often such affiliations reflected Twitchell's interest in the region's social and political circumstances, particularly if events impacted American-Saudi Arabian business relations. Twitchell also served on the Boards of Directors for American Eastern and Rock of Ages Corporations.

As a result of his experience and interest in the Middle East, Twitchell wrote many articles and a book, *Saudi Arabia*, published by Princeton University Press in 1947. Dodd, Mead and Company published a second book, *Keith Arnold in Mining*, in 1955.

Description

The Karl S. Twitchell papers contain correspondence, journals, notes, reports, writings, topical files, photographs, and maps documenting his career in mining and interest in the Middle East. The bulk of the professional documentation focuses on specific mining projects, principally in Yemen and Saudi Arabia between the late 1920s and 1950s. Particularly well-documented is Twitchell's participation in the Saudi Arabian Mining Syndicate (SAMS).

Also contained are personal documents comprised mostly of correspondence with his wife and other family

members, professional acquaintances, and philanthropic organizations.

Please see series descriptions in contents list for additional information about individual series.

Series 1: Correspondence, 1928-1961

The Correspondence series documents Twitchell's professional, personal, and organizational affiliations and includes letters, memoranda, and cables related to various projects and expeditions, primarily in Saudi Arabia and Yemen. Due to the nature of such correspondence, attachments including reports, clippings, photographs, maps, or other document formats accompany some letters. Significant professional correspondence includes the Yemen Expedition, Twitchell's earliest and most significant mining project which inspired his lifelong professional and personal interest in the Middle East. These letters include correspondence with project financier, Charles R. Crane and Imam Yahiz of Yemen, as well as his representatives and translators. As a result, many letters are in Arabic accompanied by English translations. Other notable correspondence includes letters and cables between King Ibn Saud, other members of the Saudi Arabian Royal Family, and Saudi Arabian government officials. The majority of correspondence concerning the Saudi Arabian Mining Syndicate (SAMS), other mining projects, and personal organizational affiliations can be found in Series 3: Topical Files.

Personal letters to colleagues, acquaintances, and to his wife, Norah (whom he called Nona), are also in this series, but may also appear in personal files within Series 3: Topical Files.

Series 2: Field Notes, Address Books, Daily Diaries, 1911-1961

The Field Notes, Address Books, Daily Diaries series contains unpublished material used to record personal observations, daily occurrences, as well as notes and reminders.

Subseries 2A: Field Notes, circa 1926-1951

The Field Notes subseries includes notebooks detailing travel to various countries, particularly throughout the Middle East; including four notebooks documenting the United States Agricultural Mission to Saudi Arabia, which Twitchell led between 1943-1944. Twitchell used these diaries to record daily occurrences, field observations related to mining and other projects, lists, memoranda, expenses, historical and political references, and personal observations. Similar unbound writings may also be located within country and/or project files in Series 3: Topical Files.

Subseries 2B: Daily Journals, circa 1921-1938

The Daily Diaries subseries contains notebooks Twitchell used to record brief notes regarding daily meetings and occurrences, the weather and routine memos while working on projects abroad.

Subseries 2C: Memos, Addresses, Business Cards, circa 1911-1961

The Addresses, Notes, Business Cards subseries includes unbound routine and project-related memoranda and lists used to record contacts, addresses, expenses and personal reminders.

Series 3: Topical Files, 1913-1966

The Topical Files series includes incoming and outgoing letters, memoranda, cables, reports, maps, clippings, and other printed matter. Subjects relate to activities Twitchell was directly involved with, including specific mining projects, consultant and corporate associations, philanthropic and professional organizations, and

publishers. Correspondence, reports, and minutes concerning the Saudi Arabian Mining Syndicate (SAMS) and the Yemen Expedition are contained within this series. Also included are reference materials containing country files, clippings, and printed matter. Personal and miscellaneous files are also included and consist of material on various subjects.

Series 4: Writings, 1933-1959

The Writings series contains published versions of articles, completed drafts, and research notes.

Subseries 4A: Articles, 1933-1958

The Articles subseries includes article drafts and the entire publication in which Twitchell's published article appears. A small amount of correspondence with the publishers of Asia is included.

Subseries 4B: Books, 1944-1950

The Books subseries contains the completed first draft of Twitchell's 1947 book, *Saudi Arabia*, as well as a 1950 updated supplement.

Subseries 4C: Unpublished Notes and Drafts, 1929-1959

The Unpublished Notes and Drafts subseries contains handwritten drafts and notes for articles, as well as a draft and research notes for an unpublished manuscript about mining.

Series 5: Printed Matter, 1931-1966

The Printed Matter series consists of clippings and magazines that contain articles about the Middle East, particularly Saudi Arabia. Many of the articles refer to Twitchell and his work in the region.

Series 6: Maps, Plans, Drawings, 1916-1967

The Maps, Plans, Drawings series contains printed maps published by official agencies or corporate bodies and includes the United States Geological Survey Saudi Arabian map series in various years, nautical charts, and other planimetric maps. The most notable maps include project-specific hand drawn maps, printed maps in Arabic, and mine survey maps. Also included are equipment drawings. Other maps may also be located within project or country files in Series 3: Topical Files.

Series 7: Oversize Materials, 1932-1953

Arrangement

Arrangement closely reflects order in which material was kept by Karl S. Twitchell. Related topics may be located in different series. The Papers have been arranged in six series:

Series 1: Correspondence, 1928-1961

- Series 2: Field Notes, Address Books, Daily Diaries, 1911-1961
 Subseries 2A: Field Notes, circa 1926-1951
 Subseries 2B: Daily Journals, circa 1921-1938
 Subseries 2C: Memos, Addresses, Business Cards, circa 1911-1961
Series 3: Topical Files, 1913-1966
Series 4: Writings, 1933-1959
 Subseries 4A: Articles, 1933-1958
 Subseries 4B: Books, 1944-1950
 Subseries 4C: Unpublished Notes and Drafts, 1929-1959
Series 5: Printed Matter, 1931-1966
Series 6: Maps, Plans, Drawings, 1916-1967
Series 7: Oversize Materials, 1932-1953

Access and Use

Access

Collection is open for research use.

Restrictions on Use and Copyright Information

Single photocopies may be made for research purposes. Permission to publish materials from the collection must be requested from the Curator of the Public Policy Papers . Researchers are responsible for determining any other copyright questions.

Physical Characteristics and Technical Requirements

Some letters in Series 1 have water damage and may be illegible, however, photocopies have been made and are housed in the folder following the original letters.

Acquisition and Appraisal

Custodial History

These papers were originally donated to Professor L. Carl Brown of Princeton University's Department of Near Eastern Studies in September 1986 and were housed in Princeton University Library's Manuscript Division beginning in January 1987. The papers were then transferred to Mudd Manuscript Library's Public Policy Papers Collection in August 1991.

Provenance and Acquisition

Gift of Harry G. Twitchell in September 1986.

Appraisal

Appraisal has been conducted in accordance with Mudd Manuscript Library guidelines.

Preferred Citation

Identification of specific item; Date (if known); Karl S. Twitchell Papers, Box and Folder Number; Public Policy Papers, Department of Rare Books and Special Collections, Princeton University Library.

Works Cited

The following sources were consulted for preparation of the biography:

Materials from Karl S. Twitchell Papers.

"Karl S. Twitchell: An Interview." *Mining Engineering*, September 1965.

Processing Information

This collection was processed by Amy E. Armstrong in July 2007. Finding aid written by Amy E. Armstrong in July 2007.

Encoding

Machine-readable finding aid encoded in EAD 2002 by Amy E. Armstrong on July 6, 2007.

Descriptive Rules Used

Finding aid content adheres to that prescribed by *Describing Archives: A Content Standard*.

Subject Headings

These materials have been indexed in the [Princeton University Library online catalog](#) using the following terms. Those seeking related materials should search under these terms.

- Crane, Charles Richard, 1858-1939.
- Twitchell, K. S. (Karl Saben), 1885-1968.
- Princeton University -- Dept. of Near Eastern Studies.
- Princeton University Press.
- Mining.
- Petroleum industry and trade -- Saudi Arabia.
- Middle East.
- Saudi Arabia.
- Yemen.
- Correspondence.
- Journals.
- Maps.
- Memorandums.
- American history/20th century
- American politics and government
- Economic history
- Middle East

Contents List

Series 1: Correspondence, 1928-1961 (2.5 linear feet in 6 boxes)

Series Description

The Correspondence series documents Twitchell's professional, personal, and organizational affiliations and includes letters, memoranda, and cables related to various projects and expeditions, primarily in Saudi Arabia and Yemen. Due to the nature of such correspondence, attachments including reports, clippings, photographs, maps, or other document formats accompany some letters. Significant professional correspondence includes the Yemen Expedition, Twitchell's earliest and most significant mining project which inspired his lifelong professional and personal interest in the Middle East. These letters include correspondence with project financier, Charles R. Crane and Imam Yahiz of Yemen, as well as his representatives and translators. As a result, many letters are in Arabic accompanied by English translations. Other notable correspondence includes letters and cables between King Ibn Saud, other members of the Saudi Arabian Royal Family, and Saudi Arabian government officials. The majority of correspondence concerning the Saudi Arabian Mining Syndicate (SAMS), other mining projects, and personal organizational affiliations can be found in Series 3: Topical Files.

Personal letters to colleagues, acquaintances, and to his wife, Norah (whom he called Nona), are also in this series, but may also appear in personal files within Series 3: Topical Files.

Arrangement

Arranged alphabetically by topic or last name of the correspondent.

<u>TITLE</u>	<u>BOX</u>	<u>FOLDER</u>
A, 1940-1960	1	1
B, 1940-1960	1	2
C, 1933, 1942-1960	1	3
Cables, 1940, 1961 (Correspondents include King Ibn Saud and Emir Abdulla)	1	4
D, 1938-1958	1	5
E, 1942-1959	1	6
F, 1940-1958	1	7
Flanders, Ralph, 1954-1959	1	8

Series 1: Correspondence, 1928-1961 ... (Continued)

G, 1942-1959	2	1
H, 1941-1959	2	2
I-J, 1939-1960	2	3
K, 1940-1960	2	4
L, 1942-1960	2	5
M, 1940-1960	2	6
Ministry of Finance, Saudi Arabia, 1948-1952	2	7
N, 1940-1958	2	8
O, 1950-1960	3	1
Office of War Information, 1943-1944, 1950	3	2
P-Q, 1945-1958	3	3
Personal, 1939-1941	3	4
Personal, 1945-1947 (Correspondents include King Ibn Saud and Prince Faisal)	3	5
Personal, 1947-1949	3	6
R, 1942-1960	3	7
S, 1939-1960	3	8
Saudi Arabia Trip, 1940-1944	4	1 to 3
Sol Nar, 1952-1953	4	4
T, 1940-1959	4	5
U-V, 1940-1959	4	6
United States Department of Agriculture, 1943-1944	4	7
United States Department of State, 1943-1944	5	1
W, 1938-1960	5	2
X-Z, 1940-1957	5	3

Series 1: Correspondence, 1928-1961 ... (Continued)

(Includes clippings about Prince Saif Al-Islam Abdullah of Yemen's trip to US and article about the Twitchells)

Yemen Expedition, 1927-1932

5

4

(Includes correspondence with Charles R. Crane, King Imam Yahia, Princes of Yemen, and translator, Nazih al-Azm)

Yemen Expedition, 1929-1932

6

1 to 3

(Includes correspondence with Charles R. Crane, King Imam Yahia, Princes of Yemen, and translator, Nazih al-Azm)

Yemen Expedition, 1929-1932

6

4 to 6

Miscellaneous, 1949-1950

6

7

Series 2: Field Notes, Daily Diaries, Address Books, 1911-1961 (1 linear feet in 2.5 boxes)

Series Description

The Field Notes, Address Books, Daily Diaries series contains unpublished material used to record personal observations, daily occurrences, as well as notes and reminders.

Arrangement

Divided into three subseries: Field Notes; Daily Diaries; and Addresses, Memos, Business Cards.

Subseries 2A: Field Notes, circa 1926-1951 (0.8 linear ft in 1.5 boxes)

Series Description

The Field Notes subseries includes notebooks detailing travel to various countries, particularly throughout the Middle East; including four notebooks documenting the United States Agricultural Mission to Saudi Arabia, which Twitchell led between 1943-1944. Twitchell used these diaries to record daily occurrences, field observations related to mining and other projects, lists, memoranda, expenses, historical and political references, and personal observations. Similar unbound writings may also be located within country and/or project files in Series 3: Topical Files.

Arrangement

Arranged by form and alphabetically by country.

TITLE

BOX

FOLDER

Subseries 2A: Field Notes, circa 1926 ... (Continued)

Abyssinia, 1926-1928 (Includes photographs taken by Nona Twitchell)	7	1
Haleet and India, 1932, 1940	7	2
Iran, 1949-1950	7	3
Najadi and Iran, 1949	7	4
Saudi Arabia, 1935-1951	7	5 to 8
Saudi Arabia; Iran; Kuwait; Washington, D.C., 1947-1948	8	1
United States, 1912, 1941	8	2
Yemen, 1927-1932, 1950-1951	8	3 to 4

Subseries 2B: Daily Diaries, circa 1921-1938 (0.2 linear ft in 0.5 boxes)**Subseries Description**

The Daily Diaries subseries contains notebooks Twitchell used to record brief notes regarding daily meetings and occurrences, the weather and routine memos while working on projects abroad.

Arrangement

Arranged chronologically.

<u>TITLE</u>	<u>BOX</u>	<u>FOLDER</u>
Miscellaneous Journals, circa 1921-1938	8	5 to 6

Subseries 2C: Addresses, Memos, Business Cards, circa 1911-1964 (0.2 linear feet in 0.5 boxes)**Subseries Description**

The Addresses, Notes, Business Cards subseries includes unbound routine and project-related memoranda and lists used to record contacts, addresses, expenses and personal reminders.

Arrangement

Arranged by form.

<u>TITLE</u>	<u>BOX</u>	<u>FOLDER</u>
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Subseries 2C: Addresses, Memos, Business Cards, circa ... (Continued)

Miscellaneous Notebooks, 1921, 1946	9	1
Miscellaneous Memos, 1927-1952	9	2 to 3
Miscellaneous Addresses and Business Cards, 1911-1964	9	4

Series 3: Topical Files, 1913-1966 (7 linear feet in 17 boxes)**Series Description**

The Topical Files series includes incoming and outgoing letters, memoranda, cables, reports, maps, clippings, and other printed matter. Subjects relate to activities Twitchell was directly involved with, including specific mining projects, consultant and corporate associations, philanthropic and professional organizations, and publishers. Correspondence, reports, and minutes concerning the Saudi Arabian Mining Syndicate (SAMS) and the Yemen Expedition are contained within this series. Also included are reference materials containing country files, clippings, and printed matter. Personal and miscellaneous files are also included and consist of material on various subjects.

Arrangement

Arranged alphabetically by topic.

<u>TITLE</u>	<u>BOX</u>	<u>FOLDER</u>
Abyssinia, 1926-1927	9	5 to 6
Al Kharj, Saudi Arabia, 1942	9	7
American Smelting and Refining Company, 1944-1953	10	1 to 4
Arabia, 1936-1943	10	5 to 6
Archaeology, 1941-1954	11	1 to 2
Archaeology, Oversized Scrapbook, 1941-1954 (Removed to Box 33)	11	
Boys' Club of America, 1956	11	3
California Arabian Standard Oil Company, 1934	11	4
China, 1948	11	5 to 6
Crane, Charles R., 1938-1939	11	7
DeGaury, Gerald Colonel, 1943	11	8

Series 3: Topical Files, 1913-1966 ... (Continued)

Delice, French Guiana, 1952-1960 (Correspondence and Reports)	11	9 to 10
Delice, French Guiana, 1952-1960 (Reports and Maps)	12	1 to 3
Dodd, Mead and Company, 1953-1957	12	4 to 5
Dutch Guiana, 1956	12	6
Eff, Najib, Director of Mines and Public Works, Saudi Arabia, 1939-1940	13	1
Egypt, 1943-1949 (Includes photographs)	13	2
Encyclopedia Americana, 1943-1944	13	3
Encyclopedia Britannica, 1964 (Includes photographs)	13	4
Eritrea, 1946-1947	13	5
Explorers Club, 1962-1963	13	6
Explorers Club, 1962-1963	14	1
Iran, 1949-1951	14	2 to 4
Kaburi Mine, British Guiana, 1961	14	5
Mine Reports, Various, 1932-1955	14	6
Mawan Mine, Nejd, Saudi Arabia, 1941	14	7
Newspaper Clippings, 1939-1944 (Contains clippings and correspondence on Saudi Arabia, Palestine, and Twitchell's testimony before the House of Representative's Committee on Foreign Affairs, as well as two issues of <i>Fortune</i> magazine)	15	1 to 3
Overseas Consultants, 1950	15	4
Personal		
Correspondence and Miscellaneous, 1937-1939	15	5 to 6

Series 3: Topical Files, 1913-1966 ... (Continued)

Correspondence and Miscellaneous, 1947-1948	15	7
Philanthropies		
American Middle East Rehabilitation, Inc., 1964-1965	16	1
American Middle East Relief, Inc., 1953-1960	16	2 to 3
Committee for Security and Justice in the Middle East, 1955-1958	16	4
Council on Islamic Affairs, Inc., 1956-1961	16	5
Photographic, 1956, 1964	16	6
Prince Faisal Visit to United States, 1943	17	1
Prince Faisal Visit to United States, Oversized Scrapbooks, 1943 (Removed to Box 33)	17	
Retired Men's Association, Greenwich YMCA, 1963-1964	17	2
Reynolds Metals Company, 1950-1954	17	3
Rock of Ages Corporation, 1957-1958	17	4 to 6
Rock of Ages Corporation, 1958-1960	18	1 to 3
Saudi Arabia, 1953-1955 (Includes Saudi Arabian Mining Syndicate and Al Habla)	18	4 to 6
<i>Saudi Arabia</i> , 1947-1957 (Includes correspondence and book reviews)	18	7
Saudi Arabian Mining Syndicate (SAMS)		
American Smelting and Refining Company, 1943-1947	19	1 to 4
Correspondence, 1931-1940	19	5
Correspondence, 1949-1952	19	6
Correspondence and Minutes, 1950-1952	20	1
Correspondence, Minutes, Reports, 1952-1954	20	2 to 3
Liquidation, 1955	20	4 to 5

Series 3: Topical Files, 1913-1966 ... (Continued)

Mine Reports, 1932-1942	21	1
Report of Aerial Reconnaissance, 1936-1937	21	2 to 3
Reports, 1939-1941	21	4
Reports, 1940-1941	21	5 to 6
Reports, 1942-1954	22	1 to 2
Special Operations Research Office (SORO), American University, 1959	22	3
Sudan, 1950-1955	22	4
Timbiqui Gold Fields, Colombia, 1953	22	5
Training and Experience, 1913-1919	22	6
Turkey, Iran, Greece, and Cyprus, 1937-1947	22	7
Universities		
American University of Beirut, 1955-1957	22	8
Middlebury College, 1955-1957	22	9
Princeton University, 1948-1958	23	1 to 2
Queen's University, 1955-1958	23	3
Uranium and Atomic Energy, 1955-1957	23	4
Vieros Copper Mine, Portugal, 1924-1927, 1949	23	5 to 6
Wool and Camel Hair, 1943-1944	24	1
Yemen and Sudan, 1932,1960	24	2
Yemen, 1927-1947	24	3 to 5
(Includes correspondence and reports to Imam Yahia and Charles R. Crane)		
Yemen, 1949-1951	24	6
Yemen, 1951-1955	25	1 to 5
Zulm Mine, Nejd, Saudi Arabia, 1953	26	1
Miscellaneous, 1940-1967	26	2 to 5

Series 4: Writings, 1933-1959 ... (Continued)

Series 4: Writings, 1933-1959 (0.6 linear feet in 1.5 boxes)

Series Description

The Writings series contains published versions of articles, completed drafts, and research notes.

Arrangement

Divided in three subseries: Articles, Books, and Unpublished Notes and Drafts.

Subseries 4A: Articles, 1933-1958 (.2 linear ft in .5 box)

Subseries Description

The Articles subseries includes article drafts and the entire publication in which Twitchell's published article appears. A small amount of correspondence with the publishers of Asia is included.

Arrangement

Arranged by form and alphabetically by publication title.

<u>TITLE</u>	<u>BOX</u>	<u>FOLDER</u>
<i>Asia</i> , 1933 January, 1933 February, 1941 November (Includes correspondence with the publisher)	26	6 to 7
<i>Explorers Journal</i> , 1958 December	26	8

Subseries 4B: Books, 1944-1950 (0.2 linear feet in 0.5 box)

Subseries Description

The Books subseries contains the completed first draft of Twitchell's 1947 book, *Saudi Arabia*, as well as a 1950 updated supplement.

Arrangement

Arranged by form.

<u>TITLE</u>	<u>BOX</u>	<u>FOLDER</u>
<i>Saudi Arabia</i> , draft, 1944	27	1

Subseries 4B: Books, 1944-1950 ... (Continued)

<i>Saudi Arabia</i> , supplement, 1950	27	2
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Subseries 4C: Unpublished Notes and Drafts, 1929-1959 (0.2 linear feet in 0.5 box)

Subseries Description

The Unpublshed Notes and Drafts subseries contains handwritten drafts and notes for articles, as well as a draft and research notes for an unpublished manuscript about mining.

Arrangement

Arranged by form.

<u>TITLE</u>	<u>BOX</u>	<u>FOLDER</u>
Lectures and Articles, 1929-1944, Undated	27	3
<i>Mines in Our Lives</i> , 1954-1959	27	4 to 5

Series 5: Printed Matter, 1931-1966 (1 linear feet in 2 boxes)

Series Description

The Printed Matter series consists of clippings and magazines that contain articles about the Middle East, particularly Saudi Arabia. Many of the articles refer to Twitchell and his work in the region.

Arrangement

Arranged alphabetically by publication title.

<u>TITLE</u>	<u>BOX</u>	<u>FOLDER</u>
<i>The Arab World</i> 1944-19461962 September, 1963 January/February,1963 May/June	28	1
<i>ARAMCO World</i> 1962 December, 1963 February-1963 July	28	2
<i>Asia and the Americas</i> , 1943 April	28	3
<i>Congressional Record</i> , 1964 May 12 (With annotations and letter from Senator Thomas J. Dodd)	28	4
<i>Engineering and Mining Journal</i> , 1966 April	28	5
<i>Geology of the Arabian Peninsula: Yemen</i> , 1966	28	6

Series 5: Printed Matter, 1931-1966 ... (Continued)

<i>Journal of the Institution of Petroleum Technologists</i> , 1931 May	28	7
<i>A Journey to Arabia</i> , 1939	28	8
<i>Life</i> 1943 May 31, 1943 June 21, 1943 June 28, 1944 January 10, 1945 March 19, 1949 March 28	28	9 to 11
<i>Middle East: Basic Laws and Concession Contracts</i> , 1959 (Volumes I-II)	29	1 to 2
<i>Mining Engineering</i> , 1965 September (Article excerpt about Karl S. Twitchell)	29	3
<i>The Mining Journal</i> , 1961 September 1 (Article excerpt)	29	4
<i>Mineral Resources Bulletin Two</i> , Saudi Arabia, 1966	29	5
<i>Newsweek</i> , 1943 November 1	29	6
<i>Our Empire Monthly</i> , 1939 February	29	7
<i>Standard Oil Company of California Bulletin</i> , 1949 April	29	8
<i>Time</i> , 1945 March 5	29	9
<i>True: The Man's Magazine</i> , 1946 February	29	10
Miscellaneous Clippings, 1939, Undated	29	11

Series 6: Maps, Plans and Drawings, 1916-1967 (1.25 linear feet in 3 boxes, 11 oversized folders and 1 rolled map)**Series Description**

The Maps, Plans, Drawings series contains printed maps published by official agencies or corporate bodies and includes the United States Geological Survey Saudi Arabian map series in various years, nautical charts, and other planimetric maps. The most notable maps include project-specific hand drawn maps, printed maps in Arabic, and mine survey maps. Also included are equipment drawings. Other maps may also be located within project or country files in Series 3: Topical Files.

Arrangement

Arranged alphabetically either by map publisher or map title. Several of the larger maps are housed in Oversized drawers.

TITLEBOXFOLDER

Series 6: Maps, Plans and Drawings, 1916 ... (Continued)

Arabia and the Persian Gulf, 1916	30	1
Army Air Forces Aeronautical Service		
Savelan Mountain, Iran, Number 339, 1944	30	2
Mount Karbush, Iran, Number 428, 1946	30	2
Tun Range, Iran, Number 429, 1944	30	2
Mount Lalehzar, Iran, Number 443, 1945	30	2
Mount Razih, Saudi Arabia, Yemen, Number 668, 1944	30	2
Arabian American Oil Company, Arabian Peninsula Rainfall Map, 1942	30	3
California Arabian Standard Oil Company, Arabian Peninsula, 1938	30	4
Eastern Africa, 1934 (Top portion of map is missing)	30	5
Equipment Plans, 1923-1924, 1940	30	6
Hydrographic Office, Department of the Navy		
Entrance to the Persian Gulf, 1948	30	7
Plans in the Persian Gulf, Number 3657, 1946	30	7
Plans in the Persian Gulf, Number 3659, 1947	30	7
Saudi Arabia, undated	30	8
Saudi Arabian Mining Syndicate		
The Cradle of Gold, 1936, 1944	30	9 to 10
Sifton, Praed and Company Ltd.		
Arabia, 1916	30	11
Sobat, Walega, 1926-1927	30	11
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