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Collection Overview

Repository: Smithsonian Institution Archives, Washington, D.C., osiaref@si.edu
Title: Farouk El-Baz Papers
Identifier: Record Unit 7415
Date: circa 1965-1983
Extent: 74.67 cu. ft. (54 record storage boxes) (2 document boxes) (4 16x20 boxes) (2 3x5 boxes) (7 5x8 boxes) (18 tall document boxes) (28 oversize folders)
Creator:: El-Baz, Farouk
Language: English

Administrative Information

Oversize
This collection contains oversize material.

Preferred Citation
Smithsonian Institution Archives, Record Unit 7415, Farouk El-Baz Papers

Use Restriction
Restricted for duration of Farouk El-Baz's lifetime without written permission from Donor. Contact reference staff for details.

Historical Note

Farouk El-Baz (1938- ) was born in Zagazig, Egypt. He received a B.S. in Chemistry and Geology in 1958 from Ain Shams University, Cairo. In 1960 he came to the United States, where he earned an M.S. in geology at the Missouri School of Mines and Metallurgy in 1961 and a Ph.D. in geology at the University of Missouri in 1964. After teaching for a short period, he worked as an exploration geologist for an oil company, 1966-1967.

In 1967 he joined the staff of the Lunar Exploration Department of Bellcomm, Inc., and Bell Telephone Laboratories, and in 1969, became supervisor of lunar science planning and lunar science operations. In this position, he worked directly with the United States space program on lunar data analysis, landing site selection, lunar exploration planning, and orbital science crew training. In 1969 he was named a member of the Apollo Program Science Support Team.

At Bellcomm El-Baz began pioneering work in remote sensing in which a variety of scientific means are used to examine the surface of the earth or the moon from space. This work led him into the use of space photography to study the earth's deserts.
In 1973 El-Baz joined the staff of the Smithsonian's National Air and Space Museum, where he established the Center for Earth and Planetary Studies, which he directed until 1982. At the same time, he served as science advisor to President Anwar Sadat of Egypt, 1978-1981.

In 1982 El-Baz became Vice President for International Development at Itek Optical Systems in Lexington, Massachusetts. In 1986 he accepted the position of Director of the Boston University Center for Remote Sensing.

In addition to his work on remote sensing, El-Baz is also known for his participation in the International Astronomical Union's Task Group for Lunar Nomenclature, which was responsible for naming the features of the moon's surface geography.

El-Baz has been a citizen of the United States since 1970.

Descriptive Entry

These papers primarily document Farouk El-Baz's work at Bellcomm, his lunar studies and work with the United States Apollo program, and his participation in the Apollo-Soyuz Test Program, in which astronauts in space studied the earth's deserts. Also included is his Desert Bibliography. Papers include correspondence and memoranda, minutes of meetings, reports, charts, maps, printouts, logs, flight plans, press releases, and material relating to his book, "Apollo Over the Moon." His participation in the lunar nomenclature committee, which is well represented, includes minutes of meetings, charts, and correspondence with committee members. There is also a copy of the master list of lunar names. For additional documentation of El-Baz's activities, see records of the Center for Earth and Planetary Studies, National Air and Space Museum, Record Unit 353.

Some of the abbreviations used include:

ATO - Apollo Target of Opportunity Flight Chart
ALO - Apollo Lunar Orbit Chart
AEO - Apollo Earth Orbit Chart
LSF - Lunar Orbital Science Flight Chart
NDR - Deepspace Recovery Planning Chart
LSC - Lunar Orbital Science Contingency Flight Chart

Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:
   Astrogeology
   Astronautics
   Astrophysics
   Lunar geophysics
Types of Materials:

Audiotapes
Black-and-white photographs
Black-and-white transparencies
Drawings
Manuscripts
Maps
Microfilms
Sound recordings

Names:

Ain Shams University
Apollo Soyuz Test Project
Bell Telephone Laboratories
Bellcomm, Inc.
El-Baz, Farouk
International Astronomical Union
Itek Corporation
Missouri School of Mines and Metallurgy
National Air and Space Museum (U.S.). Center for Earth and Planetary Studies
Pan American-United Arab Republic Oil Company
Project Apollo (U.S.)
Sadat, Anwar, 1918-1981
United States. National Aeronautics and Space Administration
University of Missouri

Geographic Names:

Moon -- Exploration

Preferred Titles:

Apollo over the moon: a view from orbit (Monograph)
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NASA Grant: "Analogs of Martian Eolian Features in Southwestern Egypt"

Randall Gibson Proposal

Shuttle Proposal: Visual Observations from Orbit

Shuttle Proposal: Photogeology of Desert Environments

El-Baz: NASA Nonrenewable Resource Proposals

DMG (Deutsche Mineralogische Gesellschaft)

GSA (Geological Society of America)

GS (The Geochemical Society)

GSA, 1968

GV (Geologische Vereinigung)

IAS (International Association of Sedimentologists)

IAGC (International Association of Geochemistry and Cosmochemistry)

MAS (Missouri Academy of Science)

ISS (International Society for Stereology)

XI (The Society of the Sigma Xi)

MS (Meteoritical Society)

SEPM (Society of Economic Paleontologists & Mineralogists)

Varia

MSA (Mineralogical Society of America)

High Flight

COSPAR (Committee on Space Research) Meeting, 1978

COSPAR Paper: 1978

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Oversize  Folder 20 Apollo 8 Charts (Photography Indices, AEO's, ALO, NDR)

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| Oversize | Folder 21 Apollo 10 Charts (ATO, AEO's, LM Descent Monitoring Charts, ALO's, Mission Summary) |
| Oversize | Folder 22 Apollo Science Sites |
| Oversize | Folder 23 Apollo 14 Charts |
| Oversize | Folder 24 ASTP Groundtrack Maps |
| Oversize | Folder 25 Window Views and Lunar Maps |
| Oversize | Folder 26 Apollo 15 Charts (SIVB Impact, Traverse Maps, View of Hatch) |
| Oversize | Folder 27 Apollo 15 Charts (LSC's, Lunar Orbit Charts, ALO's, AEO's) |
| Oversize | Folder 28 Apollo 15 Charts (Translunar/Transearth Trajectory Chart) |