

Records created and collected by Roger Bourke 1978-2000
2 cubic feet
JPL560

Scope and Content Note

This collection is records created and collected by Roger Bourke. Records include correspondence, presentations, reports, photographs, documents, newsletters, brochures and handwritten notes. Folders within the boxes are described in this finding aid.

Organization/Arrangement

Subject files maintained in original order.

Biographical Note

[Roger Bourke] spent the majority of his professional life at the Jet Propulsion Laboratory engaged in various aspects of planetary exploration. He participated in and later led mission planning activities for Mariner Mars 1971, Mariner Venus-Mercury 1973, early phases of Viking, Voyager and the series of Mars missions beginning in the 1990's. In the 1980's, he worked as the mission design and operations manager of the then-Mars Rover Sample Return pre-project and subsequently represented the robotic exploration element in various NASA Mars initiatives. Prior to his retirement from JPL in 2000, he was responsible for coordinating the international connections [leader of the Mars International Programs Integration Office at JPL] in the worldwide efforts to explore the Red Planet. NASA awarded him an Exceptional Service Medal and he has been elected to the International Academy of Astronautics. (from: <http://marsjournal.org/about/editors/bourke.shtml> downloaded on March 3, 2010)

Provenance

Roger Bourke, Section 1500, Mars Program Office transferred 4 cubic feet of records on March 8, 2001 to records storage as shipment L15395. The shipment was accessioned as 94-103 processed and cataloged as JPL560. Of the original 4 cubic feet duplicates and JPL D#'s were removed and the collection was reboxed into 2 cubic feet and is described in this finding aid.

Access Restriction

Records must be reviewed before use and cleared before public release. The collection in its entirety has not been reviewed.

Box Listing 1-2

Box 1

Historical records of US/French cooperation on Mars exploration circa 1997-2000

Includes possible cooperation/collaboration on:
Mars Express (an ESA orbiter of Mars launched in 2003)
Mars sample return (not yet flown)
Geophysical/meteorological network (not yet flown)
Aero entry/aero assist technology and tests
Development of Memorandum of Understanding (MOU)

Agenda, attendance, results of working group meetings

Working group on French-US Mars Exploration, JPL October 27, 1997

Working group on French-US Mars Exploration, CNES/Toulouse 19-20 January 1998

Working group on French-US Mars Exploration, CNES/Paris March 3-4, 1998

Mars Sample Return Study Group, CNES/Paris, May 5, 1998

Working group on French-US Mars Exploration, JPL June 3-4, 1998

Visit of Alain Bensoussan (President of CNES) to JPL, June 10, 1998

Working group on French-US Mars Exploration, CNES/Paris, October 26-28, 1998

Collection of documents pertaining to French/US cooperation on Mars Exploration, December 3, 1998

Working group on French-US Mars Exploration, JPL December 4-10, 1998

Working group on French-US Mars Exploration and International Symposium on Mars Exploration Programme & Sample Return Missions, Paris February 1-5, 1998

Working group on French-US Mars Exploration, JPL March 3-5, 1999

NASA/CNES Programmatic Working Group on Mars Exploration, NASA Headquarters, 26-27 May 1999

Gerard Brachet (Director General of CNES) visit to JPL June 4, 1999

Working group on French-US Mars Exploration, CNES/Paris, July 7, 1999

Status of NASA/CNE Memorandum of Understanding 1998-1999

Working group on French-US Mars Exploration, CNES/Paris, June 13-14, 2000

Historical records of US/Italian cooperation on Mars Exploration 1997-2000

Italian/US Technical Meeting on Mars Express, JPL, November 4-6, 1997

Space Science Working Group, NASA Headquarters, Washington, DC, November 17-18, 1997

Technical Working Group on Relay Communications, Rome, December 12, 1997

Programmatic working group on US/Italian cooperation, December 17-18, 1997

Working group on Italian/US Mars Exploration, JPL February 25-27, 1998

ASI/NASA bilateral meeting on relay package for Mars Exploration, Torino, March 11-12, 1998

ASI/NASA Bilateral Meeting on Space Science, Rome, April 15-16, 1998

ASI/NASA meeting on communications and robotics, Matera, Italy, May 6, 1998

ASI restructure, July 1998

ASI radio telescope/deep space communication facility in Sardinia, August 11, 1998

ASI-NASA/JPL Bilateral meeting on "Mars Exploration: technological and I/F aspects associated to the ASI robotic arm, deep driller and scientific package," Rome, November 13, 1998

ASI-JPL Meeting on Mars Exploration, Rome, November 16, 1998, including Mars Exploration Program: Architecture Team Report, presentation to ASI

Italian drilling capabilities, 1998

Various drafts of ASI/NASA agreement on Mars Exploration, 1998-2000

NASA-ASI Interagency Tracking, Communications, and Operations (ITCOP) meeting, JPL , April 15, 1999

ASI-NASA bilateral meeting, JPL, August 10, 1999

Technical and programmatic meetings in Rome, Venice, Padova, and Milano, March 26-31, 1999

International workshop "The Italian role and perspective for the Exploration of Mars: Pantelleria in Rome" Rome, September 8-9, 1999

ASI-NASA Mars Bilateral meeting, Rome June 15, 2000

Historical records on US/German cooperation on Mars Exploration 1999

US Mars Exploration Planning and possible German participation meeting, Bonn, January 29, 1999

Historical records on US/Canadian cooperation on Mars Exploration 1999-2000

Canadian participation in Mars Sample Return, March-May 1999

JPL-Canadian Space Agency meeting on robotic arm, JPL, October 14, 1999

Status reports on international cooperation in Mars Exploration 1998-1999

Photos and lithographs 1980's and 1990's various prospective Mars surface missions and orbiters

Photo journal of Mars Rover Sample Return field trip to Central Nevada and Death Valley, CA (including Mars Hill) July 27-28, 1989. Participants are Don Bickler, Roger Bourke, Mike Carr and Steve Squyres

Development of Mars Program Plan and background of Mars Surveyor program 1997-1998

US participation in Mars Express 1998-2000

Mars Express lander workshop, ESTEC, Noordwijk, The Netherlands, September 22-23, 1997

Mars Express meeting, ESTEC, January 14-16, 1998

ESA-NASA-ASI trilateral Mars Express Technical Working Group Meeting, JPL, August 13, 1998

ESA science program January 2000

Mars Express payload status 1998-2000

ESA/ESA/NASA meetings on Mars cooperation, Montreal, July 1998

Trilateral ESA/NASA/ASI meeting on Mars Express, ESTEC, November 1998

Interoperability of Mars assets meeting, Newport Beach, CA May 11-12, 1999

International Mars Communications Coordination Meeting, JPL September 20-21, 1999

International Mars Communications Coordination Meeting, ESTEC November 5, 1999

Mars communications interfaces telecon, August 19, 1999

Mars Express payload review including joint Italian-American Radar (MARIS), ESTEC, June 28, 2000

Box 2

[Documents on European Mars exploration plans noted by Roger Bourke]

International workshop/symposium on Mars Exploration and sample return missions, Paris, Feb 1999, 2 vols.

A network of Stations on the Surface of Mars: MarsNet
Jan 1991

Heading for Mars, the CNES magazine

MarsNet phase A study, April 1993

Space Science Horizon 2000
December 1984

Mission to Mars: Report of the Mars Exploration Study Team, ESA SP-1117, July 1989

[Documents of possible historical interest noted by Roger Bourke]

DeVincenzi, Bagby, Race and Rummel, Mars Sample Quarantine Protocol Workshop, June 1997

Planetary Exploration Through Year 2000, 3 volumes, 1983

Viking Exploration of Mars, NASA EP-208, 1984

An Exobiological Strategy for Mars Exploration, NASA SP-530, April 1995

Review of NASA's Planned Mars Program, Space Studies Board, 1996

Aeolian Features of Southern California: A Comparative Planetary Geology Guidebook, 1978

Mars Pathfinder Landing Site Workshop II: Characteristics of the Ares Vallis Region and Field Trips in the Channeled Scabland, Washington, Sept 1995

Mars Environmental Survey (MESUR) Science Objectives and Mission Description, July 1991

Mars Ample Handling and Requirements Panel (MSHARP) Final Report, April 1999

Hoffman and Kaplan, eds, Human Exploration of Mars: The Reference Mission of the Mars Exploration Study Team, NASA Special Publication 6107, July 1997

Television Investigation of Phobos: Results of the Soviet Phobos 88 Mission (in Russian)

A preliminary Study of Mars Rover/Sample Return Missions, January 1987

America at the Threshold: America's Space Exploration Initiative, Report of the Synthesis Group, May 1991

Pioneering the Space Frontier, The Report of the National Commission on Space, May 1986

Leadership and America's Future in Space, a Report to the Administrator by Dr. Sally Ride, August 1987

Beyond Earth's Boundaries, Human Exploration of the Solar System in the 21st Century, 1988

TRACINGS

Corporate subject: Jet Propulsion Laboratory (U.S.)--History.
Subject: Space flight to Mars
Subject: Mars (Planet) --Exploration
NASA Subject: INTERNTIONAL RELATIONS
NASA Subject: INTERNTIONAL COOPERATION
NASA Subject: MARS EXPLORATION
NASA Subject: MARS ATMOSPHERE
NASA Subject: MARS SURFACE
NASA Subject: PLANETARY MAPPING
NASA Subject: MISSION PLANNING
NASA Subject: PROJECT PLANNING
NASA Subject: DOCUMENTATION
NASA Subject: RECORDS
Added Author: Bourke, Roger
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Corporate Author: Jet Propulsion Laboratory (U.S.)