

Archives Guide:

Doing Research in the Jet Propulsion Laboratory Archives



JPL in 1941

JB-1

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Contact Information

Phone: Library Reference Desk 818-354-4200
Email: archives@jpl.nasa.gov
Web site: <http://beacon.jpl.nasa.gov>
Catalog: <https://beacon.jpl.nasa.gov/archives-search>

Public
DocuShare
library: <https://pub-lib.jpl.nasa.gov/docushare/dsweb/View/Library-18>

JPL Internal
DocuShare
library: <https://bravo-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-96654>
Log in with JPL username and password

The JPL Archives and JPL Library are part of the same organization – the Library, Archives, and Records Section (273) – and are located in the same building. The Library reference staff handles requests for archival materials and researchers use the Library reference space. When Archives and Library collections contained duplicate materials, several of them were combined. Notes below will indicate when hard copies are found in the Library.

The Application Process

After consulting with a member of the reference staff, you may be asked to read the Rules for Access to the JPL Archives. After reading the rules, please fill out and sign the Application for Access to Archival Material. Both forms can be found at <https://beacon.jpl.nasa.gov/application> .

When submitting the form, it usually works best to save the PDF to your hard drive, then attach to an email.

The application can be scanned and sent as an email attachment to archives@jpl.nasa.gov

or

faxed to 818-393-6752

or

mailed to: JPL Archives
MS 111-113
4800 Oak Grove Dr.
Pasadena, CA 91109-8099

FOIA

Cataloged records are available for research use by JPL and NASA personnel and contractors. Most requests from the public must be submitted as Freedom of Information Act (FOIA) requests, but this depends on the materials being requested. Please email the Archives or call the Reference Desk first, and you will be notified if a FOIA request is necessary.

For more information about the FOIA process, please see the JPL FOIA web page.
http://nmo.nasa.gov/cfm_nasa/foia.cfm

Long distance research

Not all research requires a visit to the Archives. Many documents can be requested and delivered by email or regular mail. You may search the online catalog to view document and collection descriptions, finding aids, and indexes. Select specific folders or documents and place a request by email.

The Review Process

Documents that have already been cleared for unlimited public release can be provided immediately. Others will be submitted for review and clearance. This process can take several weeks or months, depending on the number of items requested and the size of the document review queue when your order is placed.

Photo Requests

Photo reproduction is available. Photos can be scanned and electronic files sent by email or on CD or DVD. Contact the Archives for assistance.

Fees

Some fees may apply to cover the costs of photocopies or photo reproduction/scanning. Contact the Archives for more information.

On-site research

Public Visitors

Visits from the public require several weeks or months of advance notice, depending on the complexity of the request. Non-U.S. persons must allow extra time since all materials must be reviewed and cleared for unlimited external release before a visit.

U.S. Citizens must have a current Drivers License or an official photo I.D. issued by a government agency or business/educational entity. Foreign Nationals must possess their passport and visa to gain access to JPL. Failure to possess the required I.D. can result in denial of entry.

Archives and Library hours:

7:30-4:45, Monday through Friday

JPL employees – please call or email before coming in. Some archival records are stored off-site, and it takes a day or two to retrieve them.

Closed on all JPL holidays

<u>2013</u>	<u>2014</u>
September 2	January 1, 20
November 28, 29	February 17
December 25, 26	May 26
	July 4
	September 1

Closed every other Friday (Regular Day Off). RDO is on Thursday when a holiday falls on Friday.

<u>2013</u>	<u>2014</u>	
September 6, 20	January 10, 24	June 13, 27
October 4, 18	February 7, 21	July 11, 25
November 1, 15, 27	March 7, 21	August 8, 22
December 13, 27	April 4, 18	September 5, 19
	May 2, 16, 30	

Location:

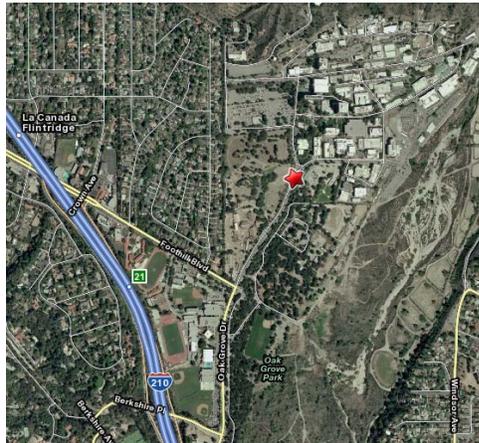
If you're notified that archival materials you requested are ready for use, go to the Library circulation desk in the west end of building 111 (room 104).

Directions to JPL: http://www.jpl.nasa.gov/about_JPL/maps.cfm

4800 Oak Grove Drive

Pasadena, California 91109

Enlarge
to see
details



JPL is located in the foothills of the San Gabriel Mountains. Please be prepared for walking and stair climbing.

Copies

Archival materials may not be checked out, but tell the circulation or reference staff if you would like to get copies. Archival copying is not self-service.

Photo reproduction is available. JPL employees should place their orders directly with the Photolab. Public requests and employee requests for personal use will go through the Archives.

Fees

Some fees may apply to cover the costs of photocopies or photo reproduction/scanning. Contact the Archives for more information.

History of JPL

JPL is a federally-funded research and development center (FFRDC) managed by the California Institute of Technology (Caltech) for the National Aeronautics and Space Administration (NASA). As NASA's lead center for deep space exploration, JPL is responsible for the unmanned planetary missions of the United States. JPL's contributions to the exploration of the solar system include participation in Earth-orbital projects and experiments, as well as studies of stellar systems and extra-solar system bodies. Other sponsors for whom JPL has performed work are the Department of Defense, the Federal Aviation Administration, and the Department of Energy.

JPL's history dates to the 1930s, when Caltech professor Theodore von Kármán oversaw a series of early rocket experiments and persuaded the Army to fund development of JATOs (jet-assisted take-off rockets). The Army helped Caltech acquire land in the Arroyo Seco for test pits and temporary workshops. JPL developed several different unguided and guided missiles under contract with the Army. This early work in communications and control, design, and testing made it possible for JPL to develop flight and ground systems and then to fly the first successful U.S. space mission, Explorer 1, on January 31, 1958.

On December 3, 1958, two months after NASA was created by Congress, JPL was transferred from Army jurisdiction to that of the new civilian space agency.

JPL Fact Sheet (PDF) http://www.jpl.nasa.gov/news/fact_sheets/jpl.pdf

JPL History public web page <http://www.jpl.nasa.gov/about/history.cfm>

JPL Missions public web page <http://www.jpl.nasa.gov/missions/>

JPL Historical Timelines, 1936 - 2002

Graphical version:

<http://beacon.jpl.nasa.gov/Find/Timeline/Eras/prenasa.html>

Text version:

<http://beacon.jpl.nasa.gov/Find/Timeline/TextOnly.htm>

What kinds of records can be found in the JPL Archives?

The JPL Archives preserves records created and collected by JPL, from pre-NASA rocket and missile work beginning in the 1930s continuing through NASA unmanned missions to the planets. There are records of instruments designed, built, and managed by JPL that flew on space shuttles and other spacecraft. There are records about Earth observing missions, the Deep Space Network, and JPL's supporting role in the early lunar manned missions. There are also records from the Director's office, upper management, and various administrative offices.

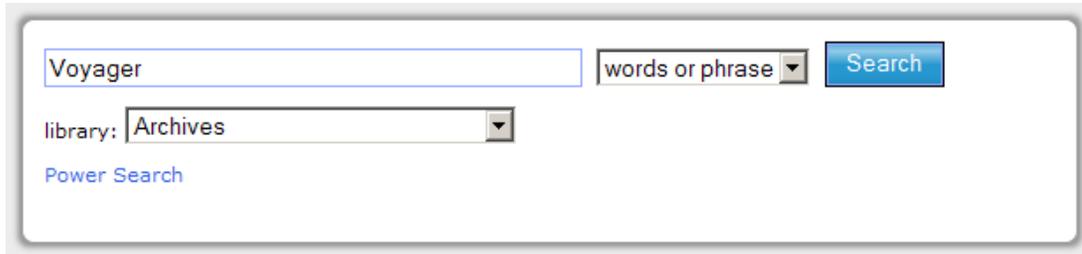
Collections

Archival collections have been created and collected by individuals, projects, and offices. They may include reports, documents, correspondence, subject files, notes, and other types of records that are not retained in other repositories, but that are valuable in preserving the history of a project or a person's work.

Descriptions of archival collections are found in the online catalog.

<http://jpll.sirsi.net/uhtbin/cgisirsi/x/x/0/49>

From the "library:" pull-down menu, select "Archives" to limit your search to archival materials.



The screenshot shows a search interface with a text input field containing "Voyager", a dropdown menu labeled "words or phrase" with a downward arrow, and a blue "Search" button. Below this is a "library:" dropdown menu with "Archives" selected. A "Power Search" link is visible below the "library:" dropdown.

Each catalog record describes a group of records. The call number or collection number will be in the following format: JPL123.

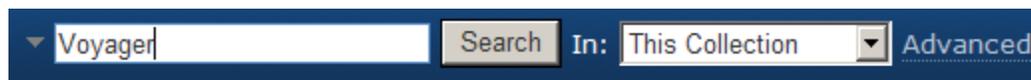
Many catalog records include an "Electronic Access" link to a finding aid (a PDF file) that describes the contents of the collection in greater detail. There may be a folder listing or a box listing, and selected items may be described in more detail than others.

Electronic access: https://pub-lib.jpl.nasa.gov/docushare/dsweb/Get/Document-977/JPL200 Folder listing available online. PDF file.
--

Finding aids can also be found at

<https://pub-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-190>.

The files have been OCR'd so you can search the full text of all the documents within this folder (collection descriptions, key words in document titles, author names, document numbers, etc.)



The screenshot shows a search interface with a text input field containing "Voyager", a "Search" button, an "In:" dropdown menu with "This Collection" selected, and an "Advanced" link.

If you wish to request a document found in a finding aid, make a note of the collection number and folder number, if available (JPL123, folder 51) and contact the reference desk. If there is no PDF finding aid, the catalog record contains the most detailed description available for that collection, usually to the box level.

Single documents

The History Collection

The “History Collection” is a large set of documents collected by the JPL Historian in the 1960s and 1970s. The documents are well indexed and cover a variety of topics pertaining to the origins and development of JPL, Army Ordnance projects such as Private, Corporal and Sergeant; NASA programs including Ranger, Surveyor, and Mariner; and other JPL activities. Document types include memos, letters, reports, articles from magazines and technical journals, and documents published by NASA and other U.S. government agencies relating to work done at JPL. Most of the documents are from the 1930s to the 1970s, with some recent additions to the collection dating to the present.

Call numbers for History Collection documents are in this format: 2-1234.

A portion of the History Collection has been added to the online catalog. <http://jpll.sirsi.net/uhtbin/cgiirsi/x/x/0/49> Each document is described in a separate catalog record. Until this cataloging project is completed, you should also search for these documents in the History Collection Index.

There are three different versions of the index to the History Collection. All of them are available through the catalog by searching for the call number “16-45”. You can browse or search the indexes using Acrobat Reader. The OCR process contained some errors because of the poor quality of the scanned index, so you may not see all possible results in a search.

Subject/Author Index

<https://pub-lib.jpl.nasa.gov/docushare/dsweb/Get/Document-592>

Arranged by subject and author’s last name.

Often the most useful for researchers.

May use abbreviated document titles. (PDF File, 72 MB)

List of Subjects <https://pub-lib.jpl.nasa.gov/docushare/dsweb/Get/Document-876>

Date Index

<https://pub-lib.jpl.nasa.gov/docushare/dsweb/Get/Document-713>

Arranged by document date.

May use abbreviated document titles. (PDF File, 12 MB)

<https://pub-lib.jpl.nasa.gov/docushare/dsweb/Get/Document-568>

Arranged by call number.

Includes full title, author, and date. (PDF File, 30 MB)

History Collection call number prefixes:

- 1 – International Law and Space Exploration (Removed from collection)
- 2 – Ranger
- 3 – JPL History
- 4 – Science and Technology
- 5 – History of Astronautics
- 6 – Surveyor
- 7 – Deep Space Network
- 8 – Mariner Missions
- 9 – Lunar Orbiter
- 10 – Grand Tour
- 11 – Space Science
- 12 – Prospector
- 13 – Voyager (Mars mission)
- 14 – Viking
- 15 – Added to the collection 2002-2004
- 16 – Added to the collection 2006-Present

Publications of the Jet Propulsion Laboratory

(Also known as the JPL Bibliographies)

The JPL Bibliographies are compilations of official JPL reports from 1938 - 1992, providing citations and in some cases, abstracts. They contain both internal and cleared documents, and are arranged by author's last name. 1938-1979 bibliographies (39-1 through 39-21) include a subject index at the end of each document. 1980-1992 (39-22 through 39-33) contain no subject index.

This set of Bibliographies has been scanned and converted to PDF. You can use the Acrobat "Find" function in any of the bibliographies -- they have been OCR'd and most of the text is searchable.

The Bibliographies are in the online catalog. You can also go directly to <https://pub-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-186> .



Some of the documents listed in the Bibliographies are available as PDF files from the Archives or from JPL Engineering Document Services (EDS). Some are available on microfilm and can be scanned and converted to PDF. JPL employees may place orders directly with EDS. Other requestors should contact the Archives for assistance.

Engineering Document Services

Engineering Document Services (EDS) and the JPL Archives work together to provide documents to JPLers and outside researchers. Many JPL reports and other records from the 1940s and 1950s are on microfilm in the Archives. EDS will scan the microfilm and create PDF files of documents upon request. The Archives has provided several groups of reports to EDS for scanning and hard copies may be available in the JPL Library. Many of these reports are available to the public:

- JPL Publications 1977 – 2004
- DSN Progress Reports
- TDA Progress Reports
- Technical Memoranda
- Technical Reports
- Space Program Summaries

The EDS online catalog is available to JPL internal customers only.
<http://edims-search/>

Non-JPL researchers should contact the Archives for assistance.

Photographs, 1930s to 1980s

There are approximately 350,000 images in the Archives collections.

Historical Photo of the Month

<http://beacon.jpl.nasa.gov/historical-photo-of-the-month>

The Historical Photo of the Month features a different photo each month and provides more detailed information than is available in the photo index.

More than 115 Historical Photos are also in the online catalog

Type: Photographs

Series: Historical Photo of the Month

Click on Electronic Access links in the catalog record to download medium and high resolution files for each image. If you need a photograph at a higher resolution than what is available online, contact the Archives. The JPL Photolab may be able to rescan the image and provide a high resolution file, for a fee.

Blog – The BEACON web site will soon include a blog for users to post comments about the Historical Photos. It can also be used to help identify people in the photo, if that information was not available when the caption was written.

Past Historical Photos of the Month can also be found in the public DocuShare Library.

<https://pub-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-115>

<input type="checkbox"/>	 211-4713Ac, Operating Room Contamination Study, 1973 Application of NASA clean room technology to orthopedic surgery.	JPL Archives	11/17/2009	11/02/1973	275 KB	    
<input type="checkbox"/>	 230-2Bc, Early Concept of Europa, 1978 Artist's conception of Europa, one of the moons of Jupiter	JPL Archives	02/19/2010	04/04/1978	79 KB	    
<input type="checkbox"/>	 241-267, Mariner 6 and 7 Images of Mars, 1970 Photos laid on globe already containing an indistinct, earth-based view of Mars.	JPL Archives	11/17/2009	03/20/1970	175 KB	    

The default sort is by title, and each title begins with a photo number, if available. The photo numbers sort in alphabetical order, not numerical. (P-3270, P-32904, P-335, ...)

 "View Images" to see thumbnails

 View "Properties" to see captions

"Show All" to see all Historical Photos at once

Click on the column heading, "Cover Date" to sort photographs by date

Photo Albums



Please read and follow the JPL Image Use Policy
<http://www.jpl.nasa.gov/imagepolicy/>

Most of our photos are found in a set of large photo albums that have been digitized and converted to PDF. There is a typed index that lists the photograph number, date the photo was filed in the JPL Photolab, and a brief description. Each album contains several index pages at the end of the PDF file, covering the images in that PDF. At this time, the albums are for **JPL internal use only**.



There are also separate “Index Only” PDF files that are **available to the public**. Many albums and indexes are in the online catalog.

See the **Guide to JPL Photo Albums (Appendix A of this document)** for more information about the photo album collection, how to find photos on specific topics, and restrictions on use. Contact an archivist for assistance in locating photos.

<https://bravo-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-119471> Photo Albums
(JPL Internal) Log in with JPL username and password.

<https://pub-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-188> Photo Indexes (Public)

Other Photos not in Albums

In the mid 1970s the Photolab stopped mounting proof prints in albums, so there are several large collections of photos that are not included in the online photo albums, such as P-numbered photos from 1975 to the late 1990s. Galileo and Voyager images are not in photo albums but some have been individually scanned and added to the internal DocuShare library.

<https://bravo-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-90160> (JPL Internal)

Log in with JPL username and password.

Contact the reference desk for assistance.

Archives Exhibits

<http://beacon.jpl.nasa.gov/exhibits>

The Archives has created several online exhibits: Historical Images of Voyager’s Grand Tour, Faces of Leadership: The Directors of JPL, Explorer 1 Oral History Interviews, and Going Green.

All images in these exhibits are cleared for unlimited public release and may be downloaded. Contact the Archives if you need higher resolution electronic files.

Archival Collections

Many archival collections contain photos. When searching in the catalog, include “photograph” as a subject term or key word, along with a project name or other search terms.

Film and Video

JPL Moving Image Collection, 1940 – 1997, JPL246 (1000+ 16mm films)
See the Archives catalog

A full list of film descriptions is available in the public DocuShare library.
<https://pub-lib.jpl.nasa.gov/docushare/dsweb/Get/Document-879>

Some of these films are also available as video from the JPL online video catalog, found at <http://www.jpl.nasa.gov/videos/vidcat.cfm> . They can be purchased through JPL's film vendor.

JPL Projects Video Collection, 1970-1997, JPL218
See the Archives catalog.

Oral History Interview Transcripts

The Archives has more than 80 oral history interviews in the online catalog, available for internal use only.

Type: Oral History
Library: Archives

If cleared for unlimited public release, they can be distributed to the public. To request a transcript, contact the Archives and provide the interviewee name and interview date.

Microfilm Index

Many JPL records were microfilmed in the 1960s and the microfilm is now located in the Archives. You can find microfilm indexes in the public DocuShare library.
<https://pub-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-189>

Contact the Archives to request copies of documents in the index.

Various small collections

Employee newspapers and indexes

Galcit-Ear, 1944 – 1945 (occasional)

JPL Internal

Hard copies in JPL Library

No index

Lab-Oratory, 1951-1976 (monthly, bimonthly)

JPL Internal

Hard copies in JPL Library

Online PDF files of full issues are in the online catalog, by year
and at <https://library.jpl.nasa.gov/volume1/Lab-Oratory>

Lab-Oratory Indexes (1951-1976) are available to the public and can be found in the online
catalog and the public DocuShare library

<https://pub-lib.jpl.nasa.gov/docushare/dsweb/Get/Document-590>

Universe, 1970 – Present (bimonthly, biweekly)

JPL Internal, unless cleared for unlimited release

Hard Copies in JPL Library

1970 - 1998, bound

1999, unbound

PDF files of full issues are in the online catalog, by year

and at <https://bravo-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-119481>

1977-2002, not complete. Issues can be rescanned, if higher quality is needed.

JPL Space and the old Daily Planet web site have issues online (JPL internal)

1998-2009

<http://dailyplanet.jpl.nasa.gov/universe/index.php>

2008-Present

<https://js.jpl.nasa.gov/Pages/JplSpaceDailyPlanetUniverse.aspx>

Universe indexes

<https://bravo-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-119481>

1970 – 1980

1980 – 1998

1999 – present is currently being indexed. Contact the Archives.

Telephone Books/Directories

Full Galcit and JPL telephone books are for JPL internal use only.

Non-JPL researchers should contact the Archives for information about people or organizations.

Galcit Telephone Directories

1945-1946

Hard copies in Library

JPL Telephone Directories

December 1962 – 2009, incomplete. Hard copies in Library

1975 – 2009

<https://bravo-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-114510>

Caltech Telephone Directories

1949 – 2007, incomplete

Hard copies in Library

Personnel Charts/Organization Charts

There are three types of charts in this collection. Laboratory Charts show the overall organization of the Lab. Personnel charts name all personnel in an organization. Organization charts name only the managers of an organization, down to the Section Manager or Group Supervisor. This collection can be found in the online catalog, with a folder listing of all the organizations and dates of the charts. Links to PDF files of the actual personnel and organization charts are for **JPL internal use only**, unless the charts are cleared for public release

Search for “JPL556”

<https://library.jpl.nasa.gov/volume1/OrgCharts/CompositeLaboratoryCharts.pdf>

(JPL internal use only)

<https://library.jpl.nasa.gov/volume1/PersonnelCharts/>

(JPL internal use only)

Historical Biography Collection

The Archives has a collection of biographical material for several hundred JPL employees. Folders may include resumes, promotion announcements, and newspaper articles (JPL or local news). A list of names included in the collection can be found in the online catalog. Non-JPL researchers contact the Archives for assistance.

Search for “JPL323”

Obituaries

A collection of obituaries has been converted to PDF format and is arranged alphabetically by last name. The collection was compiled from Lab-Oratory, Universe, and outside news sources. Non-JPL researchers contact the Archives for assistance.

<https://bravo-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-113708>

JPL internal only

Maps

Maps of the JPL site and selected off-Lab locations can be found in a variety of sources.

Public DocuShare library

<https://bravo-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-117927>

History Collection – see the index

Photo albums (JB and P prefix)

Telephone books, beginning in 1964

<https://bravo-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-114510>

JPL internal only

News Clips

Starting in 1959, JPL collected newspaper clippings related to the work done at the Lab.

October 1959 – 1997 Hard copies in Library

JPL Annual Reports

1965-1996, Hard copies in Library

1997-2008 <http://www.jpl.nasa.gov/about/reports.cfm>

JPL Highlights are similar to annual reports

1978-1987, Hard copies in Library

NASA Special Publications about JPL Missions

NASA Special Publications

Hard copies in Library

Online at <http://history.nasa.gov/publications.html>

NASA Historical Data Books

Hard copies in Library

Online at <http://history.nasa.gov/series95.html>

Suggested Resources for Selected Topics

The JPL Archives contains a wide variety of collections. We also refer researchers to other JPL and non-JPL web sites that contain information not found in the Archives. The How to Find web page contains some of the archivists' suggestions for the most useful resources for specific types of requests:

<http://beacon.jpl.nasa.gov/how-to-find>

The screenshot shows the BEACON website interface. At the top, there is a navigation bar with links: About us, The HUB, Site Index, Connect from home, Contacts, Journals A-Z, How Do I?, and Login with JPL Username. The main header features the BEACON logo with the tagline 'information COMMONS' and 'JPL LIBRARY, ARCHIVES AND RECORDS SECTION'. Below the header, a large 'HOW TO FIND' banner is displayed. To the left is a vertical navigation menu with categories: HOME, Search, Services, Programs, Archives (with sub-links: Archives Home, Archives Search, About the Archives, How to Find, Exhibits, Historical Photo of the Month), Records Management Group, Marking&Handling, JPL Authors, News and, Events, and Login with JPL Username. The main content area is divided into four tabs: People & Organizations (selected), Missions & Projects, Photos & Multimedia, and Buildings & Facilities. The 'People & Organizations' section includes a sub-header 'People & Organizations' and a paragraph: 'These resources can be found online. Use Internet Explorer or Safari to download PDF files in DocuShare libraries. For more information see the Archives Guide or use Archives Search to search the catalog or search or browse across the Finding Aids.' Below this are three sub-sections: 'Biography Collection (JPL323)' with links for 'Name List for Bio Collection' and 'Obituary listing (List linked to JPL internal files)'; 'Employee Newspapers and Indexes (JPL Internal)' with links for 'Galcit-Ear_1944-1945 (JPL310)', 'Hard copies in Library', 'Lab-Oratory_1951-1976 (JPL311)', 'Index_1951-1976', 'Hard copies in Library', 'Universe_1970-Present', 'Index_1970-1998', '1977-2002', '1998-2009', '2009-Present', and '1970-1999 hard copies in Library'; and 'Jet Propulsion Laboratory Newsletter Collection' with a search instruction: 'Search the catalog using "Newsletter Collection" as the series'. A 'Microfilm Indexes' section at the bottom lists 'JPL Director's Office, project managers, section technical memos, inventions'. On the right side of the page, there is a 'Contact the Archives' box with phone number 818-354-4200, email archives@jpl.nasa.gov, and a 'Download the Archives Guide' button. The background of the right side features a lighthouse image.

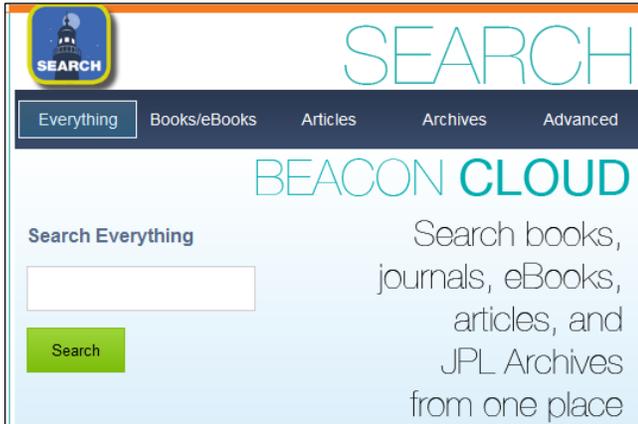
Look for information about:

- JPL Documents
- People
- Missions
- Pre-NASA Projects (Propellants, JATOs, Missiles)
- Buildings and Facilities
- Photographs
- Film and Video

Includes links to online resources

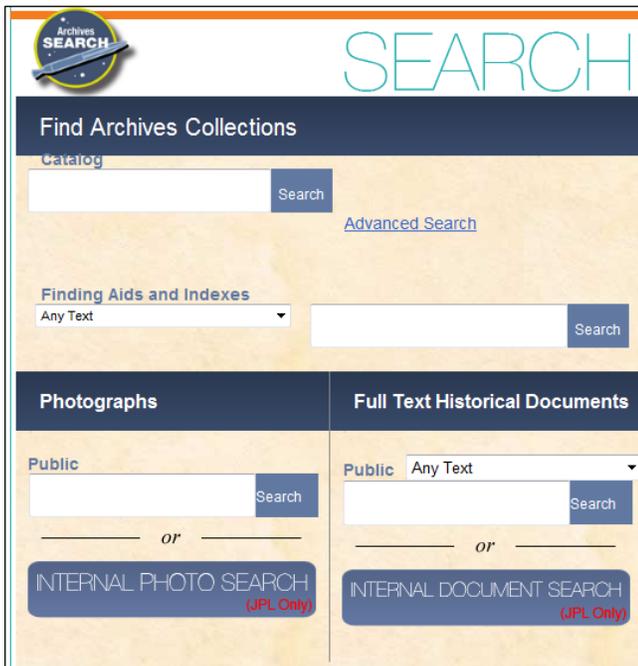
Catalog Search Tips

The JPL Archives online catalog is part of the JPL Library Catalog. Searches may be limited by selecting a variety of library resources, or “Archives.” The default is “Everything”. The catalog contains bibliographic information about historical documents and collections that are available for research use. Records are inventoried to the document, file folder, box, or collection level. Many catalog records include links – to finding aids in PDF format and to photographs.



The screenshot shows the top of the BEACON CLOUD search page. It features a navigation bar with tabs for 'Everything', 'Books/eBooks', 'Articles', 'Archives', and 'Advanced'. Below the navigation bar is the 'SEARCH' logo and the text 'BEACON CLOUD'. A search box is labeled 'Search Everything' and contains a green 'Search' button. To the right of the search box, the text reads: 'Search books, journals, eBooks, articles, and JPL Archives from one place'.

BEACON Search – Library and Archives
<http://beacon.jpl.nasa.gov/searching-beacon>



The screenshot shows the Archives Search interface. It features a navigation bar with tabs for 'Find Archives Collections', 'Photographs', and 'Full Text Historical Documents'. Below the navigation bar is the 'SEARCH' logo and the text 'Find Archives Collections'. A search box is labeled 'Catalog' and contains a 'Search' button. Below the search box is a link for 'Advanced Search'. A section titled 'Finding Aids and Indexes' has a dropdown menu set to 'Any Text' and a search box with a 'Search' button. Below this are two columns: 'Photographs' and 'Full Text Historical Documents'. Each column has a 'Public' dropdown menu, a search box, and a 'Search' button. At the bottom of each column is a link for 'INTERNAL PHOTO SEARCH (JPL Only)' and 'INTERNAL DOCUMENT SEARCH (JPL Only)' respectively. The word 'or' is placed between the two columns.

Archives Search
<http://beacon.jpl.nasa.gov/archives-search>

Advanced Search

From the combined Library/Archives search page.

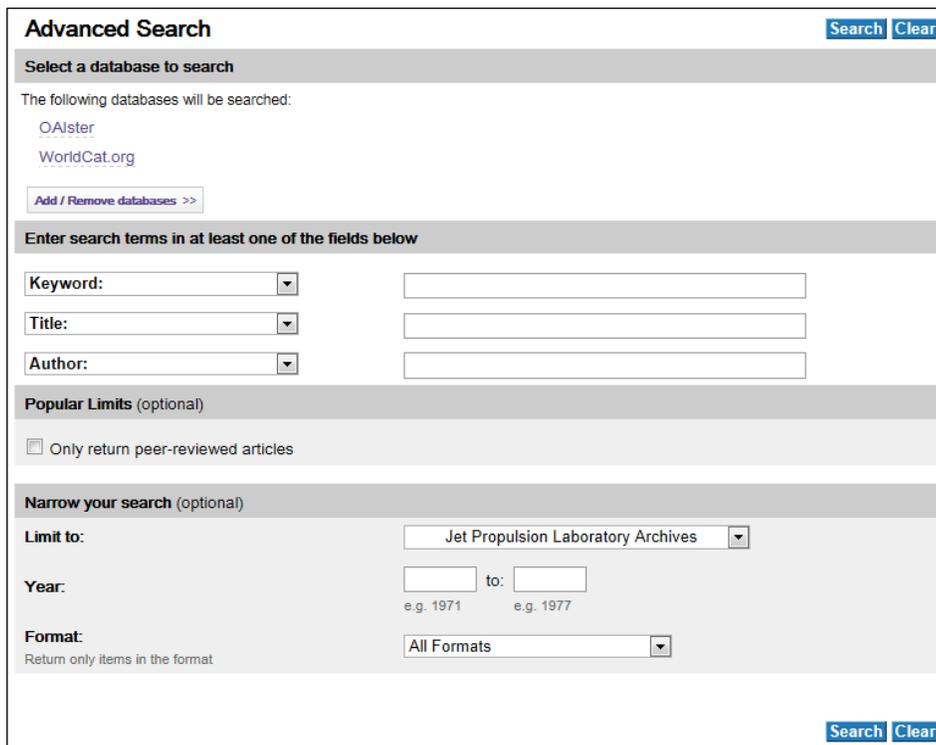


Limit to = Archives

Query type = Author, Keyword, Subject or Title

Enter search term

From the Archives search page.



Enter search terms using one or more query types.

Limit to = Archives (, rather than Library and Archives

Limit dates (e.g., 1940-1945, which searches 1940 through 1945, including those years.)

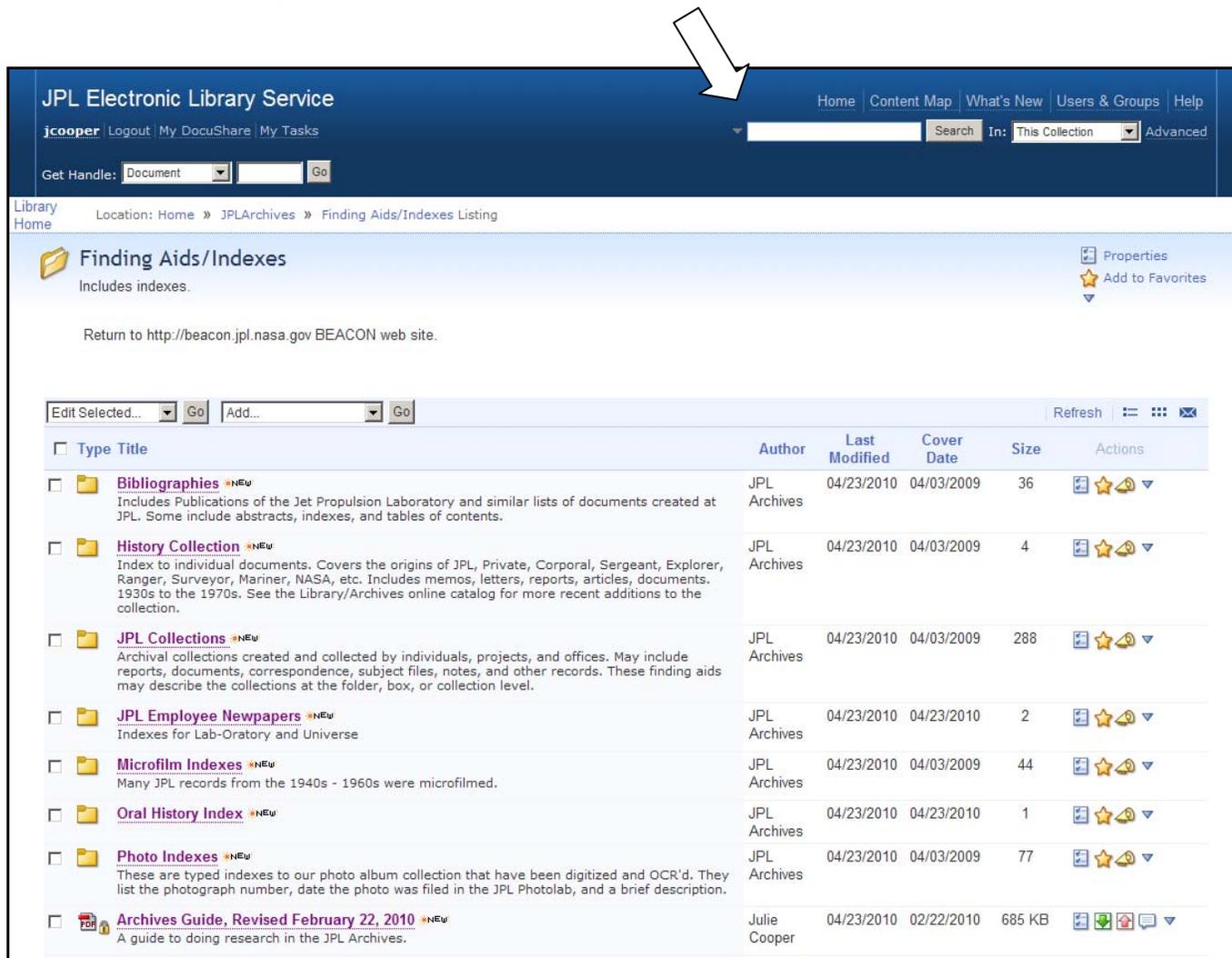
DocuShare Library Searches

Public

<https://pub-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-113>

No login needed.

Contains finding aids, the Archives Guide, and the Finding Historical Information handout. Search full text of PDF finding aids and indexes – a combined search or one folder at a time.



The screenshot shows the JPL Electronic Library Service interface. At the top, there is a navigation bar with links for Home, Content Map, What's New, Users & Groups, and Help. Below this is a search bar with a dropdown menu set to "This Collection" and a "Search" button. The main content area is titled "Finding Aids/Indexes" and includes a breadcrumb trail: "Library Home » Location: Home » JPLArchives » Finding Aids/Indexes Listing". A list of finding aids is displayed in a table format with columns for Type, Title, Author, Last Modified, Cover Date, Size, and Actions. A white arrow points to the "Home" link in the navigation bar.

Type	Title	Author	Last Modified	Cover Date	Size	Actions
<input type="checkbox"/>	Bibliographies *NEW Includes Publications of the Jet Propulsion Laboratory and similar lists of documents created at JPL. Some include abstracts, indexes, and tables of contents.	JPL Archives	04/23/2010	04/03/2009	36	
<input type="checkbox"/>	History Collection *NEW Index to individual documents. Covers the origins of JPL, Private, Corporal, Sergeant, Explorer, Ranger, Surveyor, Mariner, NASA, etc. Includes memos, letters, reports, articles, documents. 1930s to the 1970s. See the Library/Archives online catalog for more recent additions to the collection.	JPL Archives	04/23/2010	04/03/2009	4	
<input type="checkbox"/>	JPL Collections *NEW Archival collections created and collected by individuals, projects, and offices. May include reports, documents, correspondence, subject files, notes, and other records. These finding aids may describe the collections at the folder, box, or collection level.	JPL Archives	04/23/2010	04/03/2009	288	
<input type="checkbox"/>	JPL Employee Newspapers *NEW Indexes for Lab-Oratory and Universe	JPL Archives	04/23/2010	04/23/2010	2	
<input type="checkbox"/>	Microfilm Indexes *NEW Many JPL records from the 1940s - 1960s were microfilmed.	JPL Archives	04/23/2010	04/03/2009	44	
<input type="checkbox"/>	Oral History Index *NEW	JPL Archives	04/23/2010	04/23/2010	1	
<input type="checkbox"/>	Photo Indexes *NEW These are typed indexes to our photo album collection that have been digitized and OCR'd. They list the photograph number, date the photo was filed in the JPL Photolab, and a brief description.	JPL Archives	04/23/2010	04/03/2009	77	
<input type="checkbox"/>	Archives Guide, Revised February 22, 2010 *NEW A guide to doing research in the JPL Archives.	Julie Cooper	04/23/2010	02/22/2010	685 KB	

Images

<https://pub-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-115>

These images are cleared for public release. This folder includes all past Historical Photos of the Month and other cleared and released photos.

“Show all” to see the entire collection of photos at once. Click on “Cover Date” to sort by date (oldest to newest) or click on “Title” to sort by photo number. The photo numbers sort in alphabetical order, not numerical. (P-3270, P-32904, P-335, ...)

 “View Images” to see thumbnails.

 View “Properties” to see captions.

Links to JPL resources

Photo Lab <http://photolab/> JPL internal use only
EDIMS <http://edims-search/> JPL internal use only
Fact Sheets <http://www.jpl.nasa.gov/news/factsheets.cfm>
Interplanetary Network Progress Report http://tmo.jpl.nasa.gov/progress_report/
JPL Annual Reports 1997-2008 <http://www.jpl.nasa.gov/about/reports.cfm>
JPL History <http://www.jpl.nasa.gov/about/history.cfm>
Mission Web Pages <http://www.jpl.nasa.gov/missions/index.cfm>
Planetary Photojournal <http://photojournal.jpl.nasa.gov/index.html>
Press Kits <http://www.jpl.nasa.gov/news/presskits.cfm>
This Week, JPL internal use only
2000-2009
<http://dailyplanet.jpl.nasa.gov/thisweek/issues.php>
2009-Present
<https://js.jpl.nasa.gov/Pages/JplSpaceDailyPlanetThisWeek.aspx>
Universe, JPL internal use only
1998 – 2009
<http://dailyplanet.jpl.nasa.gov/universe/index.php>
2008 – Present
<https://js.jpl.nasa.gov/Pages/JplSpaceDailyPlanetUniverseArchive.aspx>

Links to resources outside of JPL

NASA <http://www.nasa.gov/>
NASA Scientific and Technical Information, NASA Aeronautics and Space Database
<http://www.sti.nasa.gov/>
NASA History <http://www.nasa.gov/topics/history/index.html>
NASA History Division <http://history.nasa.gov/>
NASA Newsroom <http://www.nasa.gov/news/index.html>

National Space Science Data Center (Mission Information) <http://nssdc.gsfc.nasa.gov/>
Master Catalog <http://nssdc.gsfc.nasa.gov/nmc/>
Image Resources <http://nssdc.gsfc.nasa.gov/image/>

Appendix A

Guide to JPL Photo Albums

The photos are arranged by organization/category. Most of the photos have a two-part photo number such as 291-1234. The prefix indicates the organization number (Section 291) and the second part is a consecutive number assigned as photos were added to the JPL Photolab's files. Photographs with a section number prefix generally show work done by that organization (missiles, parts, testing, spacecraft assembly), and some "people" photos. P-numbered photographs captured launch/encounter events, groups, portraits, social activities, visitors, and publicity.

Most of the photo albums have been digitized and are available **to JPL internal customers only** at <https://bravo-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-119471> (Log in with JPL username and password.)

Because organization numbers may have changed several times over the years ("Previously Section ...") some photo album pages have "old" section numbers written underneath the photos. When ordering from the Photolab, use the first section number listed below (151 rather than 111). The correct section number is also found in the PDF file name.

For many sections, the photo numbers on scanned index pages (Index Only) are higher than the photo numbers on scanned photo album pages, because the Photolab stopped mounting photos in albums in the 1970s. If a description in the index is of interest to you and there is no photo, please contact the Archives for assistance. Some unmounted photos have been scanned (230 Galileo, 260 Voyager, and P-numbered photos dated 1975 and later).

For photos dated later than 1986, see the Photolab online catalog (Internal), public web pages, or contact the Archives for assistance.

Restrictions on Use:

The photo album PDF files are for JPL internal use only. Specific images which have already been used in an external publication or a publicly available web site, or cleared for public release, may be distributed without restrictions. (Contact the Archives for assistance.) All other images **MAY NOT** be further distributed to non-JPL friends or colleagues, or to foreign nationals without first being reviewed and cleared for unlimited public release.

There is also a collection of photo album indexes in PDF format. They list the photo number, date the photo was filed (not necessarily the exact date it was taken) and a brief description of the photo. Because they are finding aids only and do not include the images, these may be used by the public. The indexes have been OCR'd so most of the text is searchable. Use the Find or Search function in Acrobat Reader to search for names or key words.

<https://pub-lib.jpl.nasa.gov/docushare/dsweb/View/Collection-188>

Viewing tips:

Each photo album file contains photo album pages, with corresponding photo index pages at the end of the file. Some of the PDF files contain links, so that you can click on a photo to jump to the index and click on the index to jump back to the photo album page.

Another way to browse through the albums is to open a file twice, reduce the size of each window, and place them side by side so you can look at the album and index at the same time.

Section 6

1-1466

August 1942 – October 1959

Motor testing, liquid propellants, solid propellants, test pits, diagrams and photos from various reports/publications/journals, test equipment, ramjet, buildings, corrosion tests, thermo electronic engine.

Section 12

1-821

December 1948 – September 1959

Corporal, Sergeant, parts, electronics, drawings, schematic drawings, function charts, test results, vehicles, launchers.

Section 21

1 – 68

August 1956 – December 1958

(Index Only, 1 – 72, August 1956 – April 1960)

Sergeant, test and recording equipment, analog computers, schematic drawings.

Section 26

1 – 161

January 1959 – February 1960

(Index Only, 1 – 162, January 1959 – February 1960)

Juno, Sergeant, Vega, Sperry, testing, Deal III (Explorer), subcontractor parts, electronics, Environmental Test Laboratory, drop testing.

Section 39

No Photo Album

(Index Only, 1 – 15, March 1959 – May 1959)

“Dr. Richter Personal Section”, Minitrack, Microlock, DSN, tracking.

Section 151 (Previously Section 111)

1 – 3118

March 1963 – January 1978

(Index Only, 1 – 3123, March 1963 – March 1984)

Mariner B/C, Mariner Mars 1964, Mariner Mars 1967, Mariner Mars 1969, Mariner Mars 1971, Ranger Block 3, Ranger 6/7/8/9, Surveyor, Voyager (to Mars), Viking Orbiter 1975, RCA, Deep Space Instrumentation Facility (DSIF), Capsule System Advanced Development (CSAD), test equipment, parts, hardware, electronics, quality assurance, packaging, subcontractors' parts, QA training.

Section 170

1 – 1174

April 1971 – July 1978

(Index Only, 1 – 3994, April 1971 – October 1985)

Morgantown people mover, solar arrays, Activated Carbon Treatment System (ACTS) Project, Low-Cost Silicon Solar Array (LSSA) Project, Energy Research and Development Administration (ERDA), Solar Assisted Gas Energy (SAGE) Project, Low-Cost Solar Array (LSA), PRDA, Flat Plate Solar Array (FSA), photovoltaics, solar panel tests, field tests, displays, ION Implant Program.

Section 171

No Photo Album

(Index Only, 1 – 1591, June 1979 – March 1985)

Low-Cost Solar Array (LSA), photovoltaics, site tests, Test Bed Concentrators (TBC), Edwards Test Station, FPUP, Stirling engine, Rankine engine, Brayton engine, Parabolic Dish Test Site (PDTS), solar steam engine, Solar Thermal Project, solar salt pond, Department of Energy, ORC, displays.

21

1 – 72

August 1956 – April 1960

Sergeant, computers, data recording, diagrams, circuits

211

1 – 4970

December 1961 – January 1975

(Index only, 1 – 6095, December 1961 – April 1985)

Surveyor 1-7, Ranger 1-9, Apollo, Lunar missions, launch vehicles, Mariner R/2/3/4, Mariner Mars 1971 (Mariner 9), Viking 1 and 2, Medical Engineering, Computer Center, Jupiter Orbiter Probe (Galileo), Failure Reporting, Deep Space Instrumentation Facility (DSIF), DSN, Space Flight Operations Facility (SFOF), mission contracts and budget, RADVS, Science Experimental Test Lab.

230

No Photo Album (Some images have been scanned. Contact Archives for assistance.)

1 – 33

April 1978 – January 1979

(Index Only, 1 – 1699, April 1978 – May 1986)

Galileo

231

1 – 833

April 1962 – October 1976

(Index Only, 1 – 1011, April 1962 – September 1979)

Mariner Venus 1962 (Mariner 2), Voyager (to Mars), Surveyor, Mariner Mars 1964 (Mariner 3/4), Mariner "C", Ranger 6/7, Mariner Mars, STA tasks, Civil Systems.

251

(Index Only, 1 – 264, September 1965 – May 1986)

Deep Space Network, Mariner, simulator, models, drawings, artwork, Pioneer.

260

No Photo Album (Some images have been scanned. Contact Archives for assistance.)

(Index Only, 1 – 1838, August 1965 – May 1986)

Voyager

271

1 – 2746

October 1966 – May 1986

Mariner Mars 69, Seasat, IRAS, MGCO, Voyager, NVRM, Venus Radar Mapper, Magellan, IPAC Building.

291 (Previously Section 311 and 14)

1 – 5573

December 1947 – August 1976

Wind tunnels (12" and 20"), Corporal, valves, motor testing, liquid propellants, Doppler trailer, tracking, telemetering, Codorac, Motorola photos, Sergeant, Explorer, Project Deal, Juno, Goldstone (GTS/DSIF), Vega, Ranger A, various project flight schedules, Mariner A, Prospector, Apollo, Mariner Mars 1969, Mariner Mars 1971, Univac, Comet Enke.

292 (Previously Section 313)

1 – 594

January 1960 – May 1977

Ranger, Surveyor, RCA photos, Mariner, STA tasks, Civil Systems, Capsule System Advanced Development (CSAD), Automated Lunar Studies (ALS).

293 (Previously Section 314, 28, 15, 20, and 11)

1 – 9200

January 1944 – July 1976

Private, Wac Corporal, White Sands Proving Ground (aka White Sands Missile Range), Loki, Hermes, Sergeant, Patrick Air Force Base, Jupiter missile, Explorer, Juno, Goldstone, Mayaguez (Puerto Rico) tracking station, Pioneer IV, Shavetail, J-10 balloon, Ranger, Vela Hotel, Agena, CCMTA/LOD, Mariner R, Mariner 1, Mariner 2, Mariner 3, Mariner C, Mariner 4, Mariner Mars 1967, Mariner V, Mariner Mars 1969, Mariner 1971, Mariner Venus Mercury 1973, Mariner Jupiter Saturn 1977, Voyager, Atlantic Missile Range, [Air Force) Eastern Test Range, Surveyor, JPL DSIF at ETR, Spacecraft assembly/mating/launching/operations, JPL Open House, Cape Kennedy, STA Tasks, Atlas Centaur, Automated Attendance Accounting System, Viking, Bldg. 179 Spacecraft Assembly Facility, Solar Assisted Gas Energy (SAGE), Radioisotope Thermoelectric Generator (RTG).

294 (Previously Section 315)

1 – 1373

June 1961 – 1976

(Index only, 1-1440)

Ranger, Mariner A, Mariner R, Mariner B, Mariner C, Mariner 1967, Mariner 1969, Mariner 1971, wiring/cables/circuit boards. Ranger and Mariner spacecraft testing, Mole sink (Molsink), Experimental Assembly and Sterilization Laboratory (EASL), SADL, Capsule Mechanical Training Model (CMTM), sterilization.

312

1 – 200

June 1961 – December 1971

Trajectories, portraits, Mariner 2, Mariner 4, Mariner 1969, Voyager (to Mars), computers.

316

1 – 1693

December 1961 – May 1973

(Index only, 1 – 1860, December 1961 – May 1986)

Space Flight Operations Bldg 125 (SFOC, SFOF), mission control, Deep Space Instrumentation Facility Operations, computers/data processing/communications/TV, milestone and org charts, Ranger, Mariner, Pioneer, Apollo, Mariner Jupiter Saturn 1977, Voyager, SFOF training, construction of new SFOF in bldg. 230.

317 (Previously Section 372 and 20)

1 – 204

August 1956 – January 1963

(Index only, 1-366, August 1956 – February 1986)

Sergeant, testing/analysis, computers, Mariner, org charts, Viking, Space Flight Operations Facility (SFOF), IRAS.

318 (Previously Section 376)

1-1004

February 1964 – October 1974

(Index only, 1 – 1149, February 1964 – August 1976)

Central recording, SFOF Bldg 230, mission operations, computers, communications, data handling equipment, Voice Frequency Telegraph Group (VFTG), STL, visitors, VIPs.

320

1 – 344

November 1960 – August 1974

(Index only, 1-347, November 1960 – May 1984)

Instruments, Moon, Ranger, Surveyor, Mount Wilson, STA, Mariner Mars 71, Viking

321 (Previously Section 1)

1 – 915

January 1945 – July 1977

(Index only, 1 – 1047, January 1945 – March 1985)

Missiles, Private A/F, Sergeant, WAC Corporal, Ramjet, wind tunnels, Schlieren photography, PR photos, Loki, propellants, Explorer, Pioneer, Surveyor, Mariner Mars 71, Moon, Ranger, meteorites, Table Mountain, Viking, imaging, cameras, TV systems, MVM73, MJS77, charge couple devices (CCD), Pioneer Venus Orbiter, SPAR Acoustic Levitation Instrument, (Venus) Orbiter Infrared Radiometer (aka VORTEX experiment), SMIRR.

322 (Previously Section 27)

1 – 1332

September 1959 – November 1972

(Index only, 1 – 1376, September 1959 – April 1986)

Juno, Shave Tail, cameras/TV, telescopes (Lyman Alpha telescope), Ranger, Mariner, instruments, experiments, Surveyor, bio-satellite, MM73, Viking. BLISS (or B.L.I.S.), Mark IV.

323

1 – 2250

December 1960 – October 1976

(Index Only, 1 – 2301, December 1960 – May 1980)

Magnetic test facilities, ionization chambers, space cabins, conditions in space, figures from publications, Mariner A, Surveyor, instruments, experiments, Gas Chromatography, Gamma Ray Spectrometer, Ranger 3, X-ray, meteorites, micro flora, craters, Mariner C, testing, antennas, OGO "E", infrared spectrometers, cosmic dust detector, plasma probe, Mariner 4, U-2 flight data, optics, Mariner 67, photometers, Apollo Infrared Temperature Sounding Experiment, bread boards, Mariner 69, Mars Globe Photo Survey, Pulse Height Analyzer, Infrared Balloon (IRSS) flights, Apollo Lunar Science Excursion Package (ALSEP) Solar Wind Spectrometer Sensor, Surveyor, TV cameras, Mariner 69 TV subsystem, interferometer, Apollo, STA tasks, Civil Systems, Kennedy High School, Viking, High Speed Interferometer, MAWD, Good Year blimp, Concorde SST, microwave remote sensing, Microwave Limb Sounder (MLS), Tiros, people at work

324

1 – 1699

July 1961 – August 1974

(Index Only, 1 – 2854, July 1961 – May 1986)

Mariner, Surveyor, sand box test facility, RF bench, STE Ground Support Equipment (GSE), Data Automation Subsystem (DAS), Ranger 7-9, Ranger Follow On, Ranger Block III, OSE?, experiments, instruments, subsystems, circuits, testing, moon model, WEMS Integ Ckt Package Study, Mariner C Cosmic Dust Study, tape recorders, Kinelogic, digital video, medical images, image processing, electron microscope, Signetics Lab, traffic, radiology, x-rays, Apollo color separation, SEM construction, Automated Light Microscope (NIH), LRV TV color study, SETL Rock Identification and Facility Survey, rock samples, ALMS instrumentation, precursor field test, chromosomes, wood fiber analyzer, ERTS E color reconstruction, scanning electron microscope, color reconstruction Zapruder film.

325

1 – 1047

February 1962 – May 1974

(Index Only, 1 – 1651, February 1962 – April 1986)

Table Mountain observatory, Mount Wilson observatory, Surveyor mockup and parts, Cascade Mountains, Ranger 7, Tiefert Mountain, GSCS, instruments, soil testing, field tests, rocks, VSCS (Mars), Russian lunar photos, Aerobee, balloon experiment, Mariner 67, radiometer, infrared spectroscopy lab, magnet studies, Venus antenna, Mono Lake, Stanford antenna, gamma ray detector, Table Mountain observatory, Surveyor Soil Sampler tests, Lunar Receiving Lab rock breaker, Aerosol Lab, thermal creep experiments, Mariner Mars 1969, Apollo, Surveyor 3, High Speed Interferometer (HSI), Concorde.

326 (Previously Section 361 and 10)**1 – 1524****May 1944 – July 1977****(Index Only, 1 – 1769, May 1944 – March 1986)**

Motor testing, propellants, Ramjet, Ramcit, test pits, wind tunnel, combustion, charts, diagrams, Schlieren photos, gas chromatography, biological experiments, atmospheric probe, soil tests, Alaska, Ranger, field trips, mass spectrometer, microbiology, Voyager (Mars), Surveyor, STA tasks, Civil Systems, AUDRI, SETC robot, ERTS geological survey, Moon, Viking, Apollo, radar imaging, ocean radar, Seasat.

327 (Previously Section 362 and 2)**1 – 815****October 1943 – July 1967**

The Channel, towing carriage, hydrobomb, propellants, testing, diagrams, Schlieren photos, wind tunnel, portraits, group photos, Goldstone Echo Station, plasma physics.

328 (Previously Section 363 and 22)**1 – 666****May 1957 – May 1976****(Index Only, 1 – 909, May 1957 – May 1986)**

Loki, atmospheric turbulence, smoke dispersion from fires, diagrams, Pioneer, conductivity, plasma experiments, Fission Electric Capsule Program, ultraviolet spectroscopy, Mariner 2, biological experiments, Aerobee rocket, Solar Winds conference, Table Mountain, dynamitron, superconducting magnet, spark chamber, magnetometer, radiation lab, Physics section, IRIS, Mariner Mars 1971, sonic levitation, fluid dynamics.

329**1 – 379****April 1963 – July 1969**

Surveyor, soil testing, field trips, instruments, PERT charts, SETL, lunar craters (models), Surveyor TV camera, Mariner, Ranger, charts, gas chromatograph mass spectrometer, infrared detector, plasma probe.

331 (Previously Section 8)**1 – 4786****September 1948 – September 1975****(Index Only, 1 – 5500, September 1948 – May 1986)**

Sergeant, telemetering equipment, communications, antennas, theodolite, Microlock, radar, Corporal. Doppler antennas, Hermes, helical antennas, Loki, Mark II, spectrum analysis, Dovap antenna, Re-entry Test Vehicle, Skyhook balloon, Jupiter, amateur radio station, Project Deal, Explorer, Codorac, diagrams, drawings, White Sands Proving Ground, Muroc, Earthquake Valley, Patrick Air Force Base, Juno, Sputnik, portraits, Goldstone Tracking Station, Project Echo, Pioneer, Ranger, Venus Station, Deep Space Instrumentation Facility, Pioneer Station, Mount Tiefert, Mariner, Viterbi Decoder, displays.

332 (Previously Section 15)**1 – 13304****October 1959 – June 1976**

Goldstone Tracking Station, antennas, Deep Space Network, Australia (Woomera, Canberra/Tidbinbilla), mobile tracking stations (MTS), Deep Space Instrumentation Facility (DSIF), buildings/equipment at Goldstone, South Africa (Johannesburg), balloon tests, Owens Valley antenna, Echo Station, Pioneer Station, Venus Station, aerial photos, Minitrack, Goldstone Open House, Cape Canaveral, Cape Kennedy, Gemini, Apollo, satellites, Ranger, Mount Tiefert, Mars antenna site, 210 ft. antennas, construction, Surveyor, Mariner, Madrid (Robledo), Spain DSIF, GSCS, Eastern Test Range, Ascension Island, Apollo Station, Table Mountain Observatory, Manned Space Flight Network (MSFN), theodolite, antenna upgrades, AAS, site photos, GDSCC, Aries Station, people at work, portraits, displays.

333 (Previously Section 23)

1 – 5960

December 1957 – August 1978

(Index Only, 1 – 7710, December 1957 – May 1986)

Project Deal, Explorer, Goldstone Tracking Station, antennas, Juno, Sergeant, tracking, theodolite, Microlock, Earthquake Valley, Temple City Tracking Station, Pioneer, Ranger, JPL Mesa antenna range, aerial photos, antenna construction, Mariner, hail tests, Deep Space Instrumentation Facility (DSIF), antenna move, Venus Site, Tiefert Mountain, Mars Site, STA tasks, Civil Systems, displays, Helios, Viking, diagrams, charts, maps, portraits.

334 (Previously Section 25)

1 – 1494

December 1957 – April 1970

(Index Only, 1 – 2036, December 1957 – May 1986)

Project Deal, Explorer, telemetering equipment, Juno, Sergeant, Ranger, Mariner, Goldstone, Jupiter, Dovap, Vega, Data Reduction Lab, Atlantic Missile Range (AMR), tape recorders, STA tasks, Civil Systems.

335

1 – 2240

February 1963 – October 1976

(Index only, 1 – 2454, February 1963 – May 1986)

Radios, communications equipment, antennas, Deep Space Network, Deep Space Instrumentation Facility (DSIF), Goldstone Tracking Station, GSCS, telemetry, S band, X band, Pioneer antenna, Mariner C, Mariner 1967, MSFN, Mariner Mars 1971, Viking.

336

1 – 1121

September 1964 – April 1975

(Index Only, 1 – 2178, September 1964 – May 1986)

Communications equipment, antennas, Mariner C, Mariner 1967, Mariner Mars 1969, Mariner Mars 1971, Ranger Block III, JPL Mesa, Surveyor, Capsule System Advanced Development (CSAD), SRAT, Viking, Mariner Venus Mercury 1973

337

(Index Only, 1 – 1757, April 1965 – March 1976)

Goldstone, antennas, Nike, Surveyor, communications equipment, Deep Space Instrumentation Facility (DSIF), Lunar Orbiter, construction, Manned Space Flight Network (MSFN) antenna, Tiefert Mountain, Goldstone facilities, vehicles, group photos, people at work, portraits, Madrid site, Mariner, Voyager, Viking, displays, visitors, STA tasks, Civil Systems, aerial photos, diagrams.

338 (Previously Section 337)

(Index Only, 1758 – 2018, March 1976 – December 1984)

Sub-Chassis, microprocessor, digital recording, communications equipment, power supply, Very Long Baseline Interferometry (VLBI), circuits, VT-100, ASSET, computer.

339 (Previously Section 367)

1 – 383

December 1966 – November 1973

(Index Only, 1 – 526, December 1966 – July 1985)

Communications equipment, antennas, Mariner Mars 1967, Mariner Mars 1969, Mariner Mars 1971, tape recorders, Viking, Civil Systems, biotelemetry.

341 (Previously Section 16)

1 – 1848

December 1952 – October 1969, and October 1976

(Index Only, 1 – 2801, December 1952 – March 1984)

Communications equipment, radios, diagrams, telemetering, Corporal missile, vibration/temperature/vacuum testing, Nike, Contraves Cine Theodolite, Sergeant, Codorac, Jupiter, Juno, computers, Microlock, tracking, antennas, Pioneer, Ranger 1-6, Ranger Block 5 Mariner A, Mariner B, Mariner C, Mariner R, Mariner 3, Mariner 4, Mariner Mars 1967, Mariner Mars 1969, Voyager (Mars?), STAR Computer, portraits, group photos, photovoltaics, balloon flight.

342 (Previously Section 17)

1 – 6177

December 1952 – April 1977

(Index Only, 1 – 7249, December 1952 – May 1986)

Telemetering, communications equipment, diagrams, Corporal missile, Command Units 54 and 60, radar antenna, Loki, Redstone Arsenal, Hermes, guidance, Sergeant, Re-entry Test Vehicle, White Sands Proving Ground, Jupiter, Microlock, Codorac, Goldstone, pedestal camera/antenna, Project Deal (Explorer), computers, tape recorders, Ranger 1-9, Ranger Block 3, spacecraft solar panels, batteries, Table Mountain, Mariner A, Mariner R, Mariner 3, Mariner C, Mariner Mars 1967, Mariner Mars 1969, Mariner/Venus Mercury 1973, thermionics experiments, photovoltaics, solar cells, balloon launches, Mark IV, Energy Storage Group, SET Program, Surveyor, SNAP, visitors, Capsule System Advanced Development (CSAD), Viking, radioisotope thermoelectric generator (RTG), Mariner Jupiter Saturn 1977 (Voyager), solar buoy, Civil Systems, solar cell testing, trip to Japan, zero G sounding rocket, battery powered car, ERDA Lab and workers, electric vehicle, people at work.

343 (Previously Section 24)

1 – 2098

December 1957 – November 1975

(Index Only, 1 – 3125, December 1957 – May 1986)

Communications and guidance equipment, Sergeant, J.I.P., Juno, tracking, Vega, Ranger 1-9, Ranger Block 3, Mariner A, Mariner R, Mariner C, Mariner Mars 1964, Mariner Mars 1967, Mariner Mars 1969, Mariner Mars 1971, spacecraft models, circuits, power, Voyager (to Mars), Surveyor, group photos, Capsule System Advanced Development (CSAD), roving vehicle tests, SEAN project, SCAN van, Civil Systems STA tasks, helicopter visual aid, solar cells, lasers, robot arm, teleoperator, Stellar star tracker, Viking, Mariner Jupiter Saturn 1977 (Voyager), electric car, solar energy bus, autotram.

344

1 – 2473

March 1960 – July 1977

(Index Only, 1 – 5411, March 1960 – September 1985)

Chilao fire camp area, spacecraft simulator equipment, Ranger 1-8, spacecraft fuel systems, clean room, guidance equipment, attitude control, Earth/celestial sensors, Canopus tracker, testing, Mariner A, Mariner R, Mariner C, Mariner Mars 1964, Mariner Mars 1967, Mariner Mars 1967, Mariner Mars 1969, Mariner Mars 1971, model shop (198), celestial simulator (199), Surveyor, Ground Control Analysis Team (GCAT), building 251, Civil Systems, STA tasks, SEAN project, Viking, HYPACE, Mariner Jupiter Saturn 1977 (Voyager), Inertial Reference Unit (IRU), propulsion, solar energy, Stirling engine, Edwards Test Station, space shuttle, people working, group photos.

345

1 – 265

July 1960 – October 1969

(Index Only, 1 – 3217, July 1960 – May 1986)

Accelerometer, magnetometer, cryogenics, testing, experiments, crystals, Super Conductivity Lab.

507 – 2237 (Selected images have been scanned. Contact the Archives for assistance.)

August 1977 – November 1982

Coal desulphurization, Civil Systems

351 (Previously Section 5)

1 – 3106

January 1943 – March 1976

(Index Only, 1 – 3693, January 1943 – May 1986)

Motor testing, Test Pits B/C/D, liquid propellants, motor nozzles and other parts, materials testing, test equipment, Ranger 1-2, Ranger Block III, graphite, polymers, crystals, metals, Mariner C, Mariner Mars 1967, Mariner Mars 1969, Mariner Mars 1971, Mariner Venus Mercury 1973, Mariner Jupiter Saturn 1977 (Voyager), Surveyor, Ceramic Test Facility, balsa wood testing, Capsule System Advanced Development (CSAD), Plasma Facility (158-101A), Viking, Hawk, portraits, group photos.

352 (Previously Section 7)

1 – 6835

October 1944 – June 1978

(Index Only, 1 – 9837, October 1944 – May 1986)

Private A missile, Private F, field tests, Wac Corporal, Wac B, Bumper Wac, Corporal E, Test Cells 1/2/3, liquid propellants, Douglas negatives, Sergeant, motor tests, Muroc test stand, Edwards, formulas, diagrams, drawings, White Sands Proving Ground, Loki, Short Snorter, telemetering, Mark II, Hermes, Re-entry Test Vehicle, Fort Churchill in Canada, Yuma, Codorac, Project Deal, gas turbines, 6K motor, drop tests, Mariner, lunar space suit and vehicle, Ranger, experiments, spacecraft component testing, Rose parade float, solar panels, Canopus Star Tracker, models, Advanced Lunar Studies, balsa wood, Lunar Roving Vehicle (LRV), IRIS instrument, STA tasks, Civil Systems, Viking, Mariner Jupiter Saturn 1977, Voyager, gold record, SMMR instrument, clean car, Helios, Seasat, Synthetic Aperture Radar (SAR), SIR-A Tiros satellite, coal extruder, group photos, people at work.

353

1 – 2975

April 1960 – September 1975

(Index Only, 1 – 4510, April 1960 – May 1986)

Propellants, motor tests, Edwards Test Station, Ranger, spacecraft tests, moon vehicle, Mariner, vidicon, solar panels, gamma ray boom, Mariner models, Syncom, Moon quake studies, Rose Parade float, moon dust, Surveyor, lunar roving vehicle, balsa wood tests, Voyager (to Mars), Capsule System Advanced Development (CSAD), soil tests, Viking, Helios, planetary quarantine, Mariner Jupiter Saturn 1977, Voyager.

354 (Previously Section 18)

1 – 1663

February 1955 – September 1976

(Index only, 1-3792, February 1955 – April 1986)

Sergeant, mobile launcher, instrumentation, Yuma, Mark II and III, Project Deal (Explorer), Juno, Vega motor, propellants, fuel tanks, solar panels, spacecraft testing, Centaur, shock tests, drop tests, impact tests, crush tests, Glen Canyon AZ, Mariner, integrated circuits, micro-electronics, bond studies, failure analysis, ESCA spectrometer, Viking, low pollution car engine, Mariner Jupiter Saturn 1977, Voyager, human mandible, solar sail, Low Cost Silicon Solar Array, diagrams, drawings, people at work, group photos.

355

1 – 2005

April 1960 – August 1973

(Index Only, 1 – 4730, April 1960 – May 1986)

Ranger, spacecraft testing, propellants, solar panels, assembly, Lockheed Martin in Sunnyvale, 6K, Juno, Vela Hotel, Atlantic Missile Range launch site, SCTB, celestial simulator, Mariner, Syncom motor, Surveyor, Voyager (to Mars), Surveyor lunar roving vehicle, balsa wood tests, air gun impact tests, pneumatic cannon, impact limiter, Surveyor attitude control jet blast tests (soil erosion), capsule drop tests, Capsule System Advanced Development (CSAD), STA tasks, Civil Systems, school attendance system, Viking, Thermoelectric Outer Planet Spacecraft (TOPS), Mariner Jupiter Saturn 1977, Voyager, Apollo, Radioisotope Thermoelectric Generator (RTG), Helios, 25-foot space simulator, group photos, people at work.

356

1 – 469

April 1960 – August 1974

(Index Only, 1 – 634, April 1960 – May 1986)

Antennas, Ranger, assembly, schedules, MOIS, Mariner, spacecraft testing, bio satellite, solar panels, rock splitter, automated parking, respirator, Viking, portraits, group photos.

357

1 – 5216

June 1962 – January 1976

(Index Only, 1 – 5749, June 1962 – February 1986)

Mariner, Ranger, Surveyor, Voyager (to Mars), circuits, wiring/cables, spacecraft assembly, spacecraft testing, laboratories, Experimental Assembly and Sterilization Laboratory (EASL) clean room (bldg 233), smoke test, bio satellite, impact tests, Capsule System Advanced Development (CSAD), STA projects, Civil Systems, Thermoelectric Outer Planet Spacecraft (TOPS), Mariner Jupiter Saturn 1977, Voyager, Viking, Launch Complex Equipment Trailer (LCET), bio-telemetry, antennas, Umbilical Line Checker (ULCER), UGLY tank, zero G experiments, Aseptic Fluid Transfer System (AFTS), people at work.

359

1 – 98

December 1965 – May 1973

Impact tests, Voyager (to Mars), aeroshell, models, pneumatic cannon, computer, shock tube, antennas.

360

1 – 854

June 1970 – October 1976

(Index Only, 1 – 2269, June 1970 – May 1986)

Mariner, Viking, circuits, tape recorders, data storage, Mariner Jupiter Saturn 1977, Voyager, Paris Air Show, Artificial Intelligence Robot, laboratories, people at work.

367

(Index Only, 1 – 211, December 1966 – June 1968)

Mariner, communications equipment, tape recorders, spacecraft antennas, telemetry,

371 (Previously Section 9)

1 – 2242

March 1945 – January 1970

(Index Only, 1 – 2527, March 1945 – February 1986)

Missile guidance, telemetering equipment, diagrams, Wac Corporal, Corporal E, test cells (test pits), Central Recording System (CRS), Sergeant, radar, Schlieren photography, sound suppression, component testing, data recording, Muroc, computers, Loki, Admatar, Re-entry Test Vehicle (RTV), Building 125 computer room, Juno, CDS, Shave Tail, Surveyor, Mariner, Ranger, Solar panels, space simulator, Syncom, Surveyor, STA tasks, Civil Systems, Standards Lab, circuits, solar radiometry, aeroshell, shock tubes, people at work.

373 (Previously Section 13)

1 – 7369

September 1948 – August 1977

(Index Only, 1 – 7664, September 1948 – September 1985)

Wind tunnels (12", 20", 21"), supersonic wind tunnel (SWT), hypersonic wind tunnel (HWT), Ramjet, Schlieren photography, Sergeant, Douglas models, test negatives, Aerobee, Corporal, diagrams, illustrations, Nike, Hughes Falcon models, Convair models, Hermes, organization charts, Loki, control room, figures for reports, seal tests, North American models, AGARD, installation photos, construction, xenon lamps, Zeus, space simulators, Mariner, Surveyor, Dynasoar model, publicity, Ranger, test facilities, antennas, DSIF, glow probe, ionization test, shock tube, Sandia, Voyager (to Mars), STA tasks, Civil Systems, Mariner Jupiter Saturn 1977 spacecraft assembly and testing, Viking, people at work, visitors, buildings 79, 72, 58, 45, 80, 150, 144, and 188.

374

1 – 2413

December 1961 – August 1972

(Index Only, 1 – 3238, December 1961 – March 1986)

Space simulators, solar simulation, mercury xenon quartz arc lamps, Mariner, EOS, Ranger, solar panels, solar cells, Surveyor, acoustic testing, diagrams, drawings, presentation slides, aerial photos, gravity machine, Syncom, Environmental Facilities Laboratory, vacuum chamber, balloon tests, Edwards Test Station, molsink, STA tasks, Civil Systems, Capsule System Advanced Development (CSAD), Mars globe, Data Analytical Laboratory, Planetary Entry Chamber, Viking, Apollo Gamma Ray Spectrometer, OFO, open house display, TOPS, Centaur, people at work, group photos, buildings 150, 144, 82.

375

1 – 1410

June 1963 – July 1971

(Index Only, 1 – 1783, June 1963 – May 1986)

Solar simulator, High Intensity Test Facility, Ranger, magnets, mercury xenon arc lamps, space simulators, Solar Spectrum Measurement Experiment (SSME), Mariner, simulator displays, Molsink Facility, Voyager (to Mars), sterilization, Surveyor, Table Mountain, diagrams, X-15 rocket aircraft, TV camera, monitor, diagrams, lamp break tests, protective clothing, Goldstone Tracking Station, STA tasks, Civil Systems, Intelsat, Orbiting Frog Otolith (OFO), Apollo, SAWE, people at work, group photos, buildings 82, 150, 248.

377

(Index Only, 1 – 340, October 1976 – May 1984)

DSN network operation, communications equipment, tracking, antennas, displays, maser, computers.

381 (Previously Section 4)

1 – 5402

June 1940 – February 1975

(Index Only, 1 – 5755, June 1940 – March 1986)

Motors, components, nozzles, test stands/ test pits, Ercoupe, ATO (Assisted Take Off) units, static firing tests, solid propellants, test runs, the Gulch, GALCIT/ORDCIT/ Hydrobomb propellants, Sergeant propellant/tests, facilities and equipment, charts/graphs/tables used in reports, LOKI tests, RTV (Re-entry Test Vehicle?) motor, Thiokol [motor?], Shavetail, Starfinder, Syncom motor, Ranger, Surveyor, wind tunnel tests, Edwards Test Station (ETS), building construction, aerial photos, SATS?, Application Technology Satellite (ATS), Division 38 brochure, Mariner Mars 1969, STA task, Explorer I, OART, Advanced Launch Vehicles, sterilization, Mariner Mars 1971, G Dot igniter, Mariner Venus Mercury 1973, radiation, boron case motor, Viking, laser ignition, insulation test motor (ITM), water plant, pyro tests, Mariner Jupiter Saturn 1977 (Voyager), Q switch laser, ACTS Settling Studies, NASA HQ display, Katparowitz coal SEM, Civil Systems, water treatment, car engine pollution.

382 (Previously Section 19)

1 – 1800

May 1955 – August 1973

(Index Only, 1 – 2399, May 1955 – May 1986)

Solid propellants, diagrams, charts, static motor tests, tensile/elasticity/torsion tests, temperature tests, propellant molds, polymers, Edwards Test Station, Surveyor, STA tasks, Civil Systems, liquid propellant, thermal luminescence, medical equipment tests, visitors, group photos, people at work.

383 (Previously Section 3)

1 – 6237

June 1940 – April 1976

(Index Only, 1 – 7032, June 1940 – May 1986)

Motor testing, test pits, A20-A airplane, Jet-Assisted Take-Off units (JATOs), Muroc Test Station, valves, nozzles, liquid propellants, Wac Corporal, Corporal E, Bumper motor, V2, ORDCIT, Edwards Test Station, Aerojet, Schlieren photography, bubbles, Magneto Hydro Dynamics (MHD) Lab, Syncom, liquid metals, vacuum chamber, ion engine, arc visualization, STA tasks, Civil Systems, heart valves, Solar Electric Propulsion Subsystem Task (SEPST), coal extrusion, diagrams, charts, drawings, people at work.

384 (Previously Section 11)

600 – 11267

November 1946 – September 1976

(Index Only, 600 – 11355, November 1946 – May 1986)

Section 11/384 name changes: 1945 Field testing, 1946 Hydraulics, 1950 Propulsion, 1956 Propulsion Development, 1960 Liquid Propulsion Development.

Corporal (Wac B) missile, Corporal E, Muroc, Edwards Test Station, Edwards Air Force Base, Edwards North Base, liquid propellants, fuel injection, tank testing, spin tank, spray/atomization tests, diagrams, ORDCIT, buildings 113 (Flow metering) and 78, Gas Generation (GG), STM, Short Snorter (SS), motor tests, 6 K motor, Sergeant, aerial photos, Camp Cooke, Camp Elliot, Camp San Luis Obispo, Camp Irwin, maps, Goldstone proposed site, construction at ETS, Mariner, Ranger, Surveyor, Advanced Liquid Propulsion System (ALPS), ETS facilities and trailers, org charts, SATS (?), Voyager (to Mars?), STA task 89, Test Pit F, Viking, TOPS, MJS77 (Voyager), group photos, people at work, ETS visitors, clean car, coal extruder, energy conversion program, medical projects, imaging.

385

1 – 378

August 1960 – June 1972

Ion motor, diagrams, thermionic power, plasma power, Snap 8 spacecraft, nuclear electric power, proposed spacecraft, propulsion, testing, buildings 125 and 78, MHD, group photos, people at work.

500

(Index only, 1 – 8, February 1985 – May 1986)

Automatic semi conductor test lab, MGN CDS, SEM

870

(Index Only, 1, August 1985)

Meteorologist workstation color monitor (1Ac and 1Bc only)

A14

1 – 2800

February 1953 – September 1956

(Index Only, 1 – 3427, February 1953 – May 1960)

(8x10s) Corporal, mobile launcher, liquid propellants, radar, Sergeant, Jupiter, microlock, communications, telemetering equipment, theodolite, computers, Operation Sandspit, White Sands Proving Ground, drawings, diagrams, people at work.

EP

(Index Only, 1 – 305, May 1947 – November 1958)

Machine shop, lathe, Sergeant, Corporal, Loki, drawings, people at work.

EX

(Index Only, 1 – 618, September 1945 – June 1971)

V-2, Germany, Sperry Co., Corporal (Wac), photos from reports, Huntsville, Redstone, White Sands Proving Ground, Sergeant, Codorac, Re-entry Test Vehicle (RTV), Explorer, Juno, Jupiter, Aerojet, Pioneer, ARPA, CCMTA Convair, Saturn, Thor, Atlas, Agena, space suit, Snap 8, antennas, aerial photos, people at work

JB

1 – 16462

February 1942 – November 1973

Buildings, construction, remodeling, site photos, aerial photos.

JPL

(Index Only, 1 - 794, May 1986 – August 1986)

Voyager, Sea Sat, SAWE, WFPC, Deep Space Network, Millimeter Wave Imaging, robotics, solar simulator, Magellan, artwork, PASP, construction, Galileo, RTG, ATMOS, methanol car, MLS, SISEX Stirling Cooler, ion propulsion, Radar Test Facility group, Halley's comet, ARC Jet, CEB Building, solar cells, fire alarm, CRAF, SFOF, SP-100,

M

1 – 3927

March 1942 – November 1974

A-20-A aircraft, JATO, Corporal, military visitors, rocket motor testing, wind tunnels, propellants, people at work, group photos.

P

1 – 16399

September 1951 – March 1976

Clubs, group photos, portraits, social events, spacecraft launch/encounter events, public release photos, visitors, VIPs.

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