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National Aeronautics and
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NASA Management Office

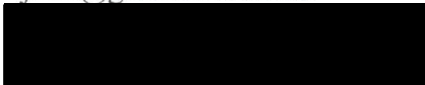
M/S 180-200K
4800 Oak Grove Drive
Pasadena, CA 91109-8001

Reply to Attn of:

LP040/NMO

January 16, 2014

Mr. John Greenewald, Jr.
john@greenewald.com



Re: FOIA Request 14-JPL-F-00165

Dear Mr. Greenewald, Jr.:

Thank you for your Freedom of Information Act (FOIA) request received in our office on December 16, 2013. Your request was assigned Case File Number 14-JPL-F-00165 and placed in the complex queue for processing purposes. Your request was for:

"Document Number: ADB186637; Document Title: Research Summary Number 36-1. Volume 1 for the Period 1 December 1959-1 February 1960 Other Info: Title: (U) Research Summary Number 36-1. Volume 1 for the Period 1 December 1959-1 February 1960"

I found the attached record responsive to your request. However, please be advised, portions of the information you have requested is exempt from release under FOIA Exemption 5 U.S.C. § 552(b)(3), relying on 22 U.S.C. § 2751, et seq., the Arms Export Control Act, which protects certain export-controlled information.

You have appeal rights concerning these actions, pursuant to 14 CFR § 1206.605.

You may appeal this initial determination to the NASA Administrator. Your appeal must: (1) be addressed to the **Administrator, (ATTN: FOIA Appeals), Administrator, National Aeronautics and Space Administration (NASA), Mail Stop: FOIA, Room 9J74, 300 E St., SW, Washington, DC 20546-0000**, (2) be identified clearly on the envelope and in the letter as an "Appeal under the Freedom of Information Act (FOIA); (3) include a copy of the request for the agency record, and a copy of the adverse initial determination; (4) state, to the extent possible, the reasons why you believe the initial determination should be reversed; and (5) be sent to the Administrator with thirty (30) calendar days of the date of the receipt of this initial determination.

Per NASA Regulations [14 CFR Sec 1206.700], the fee to process your request was under the \$15.00 threshold; therefore, you were not charged fees for this request.

I trust this will be of assistance to you. Thank you.

Questions regarding this action should be in writing to this center at the address shown on the letterhead. You may also e-mail correspondence to jpl-foia@nasa.gov or reach me by telephone at 818-393-6779 and fax at 818-393-3160. Thank you.

So we may improve our FOIA Program, please complete a short survey at the following web site:

http://www.hq.nasa.gov/office/pao/FOIA/jpl/foia_survey.htm

Thank you very much.

Sincerely,



Dennis B. Mahon
Freedom of Information Act
Public Liaison Officer

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
CONTRACT NO. NASw-6

Research Summary No. 36-1, Volume I

for the period 1 December 1959 to 1 February 1960

PLACED IN THE
FILE

APR 8 1960

SHIPPED 1 APRIL 1960



JET PROPULSION LABORATORY

4800 OAK GROVE DRIVE, PASADENA, CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

15 February 1960

Preface

Research Summary No. 36-1, Volume I is a report of supporting research and development activities at the Jet Propulsion Laboratory, California Institute of Technology. Additional research activities in the fields of Propulsion and Wind Tunnel Testing are contained in Volume II (Confidential).

A handwritten signature in dark ink, appearing to read 'W. H. Pickering', is written over a horizontal line.

W. H. Pickering, Director
Jet Propulsion Laboratory

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California Institute of Technology

Confidential

I. Deep Space Instrumentation Facility

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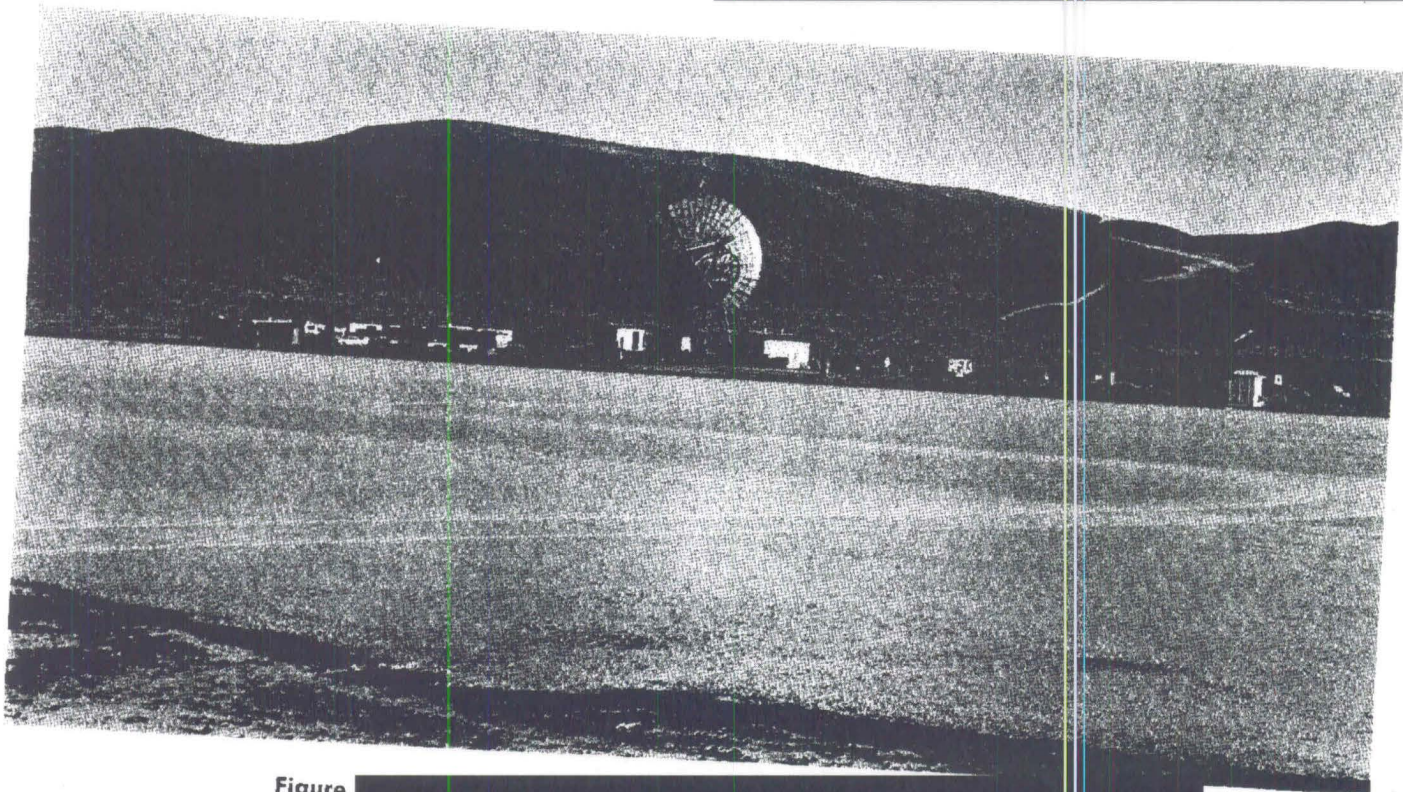
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1. DEEP SPACE INSTRUMENTATION FACILITY

As part of the United States Deep Space Research Program, the National Aeronautics and Space Administration (NASA) is establishing a system of space probe radio communication stations to be known as the Deep Space Instrumentation Facility (DSIF). The Jet Propulsion Laboratory (JPL) of the California Institute of Technology, under contract to NASA, will act as the liaison agent to coordinate the installation and technical operation of this facility. In order to assure continuous radio contact with future space vehicles, three permanent radio stations are to be spaced around the Earth at intervals of about 120 degrees in longitude. Additional coverage as needed for individual space missions will be provided by one or more mobile radio stations.

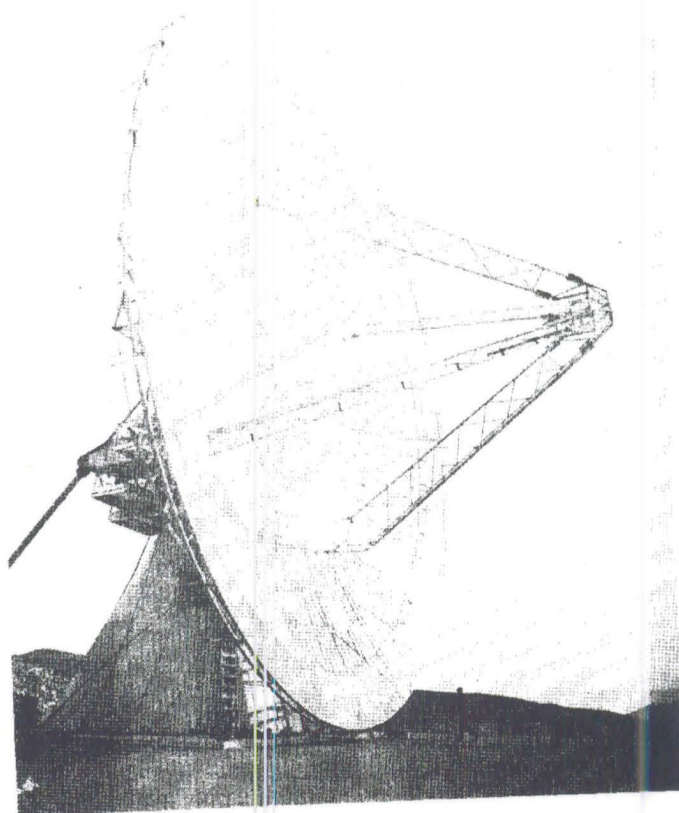
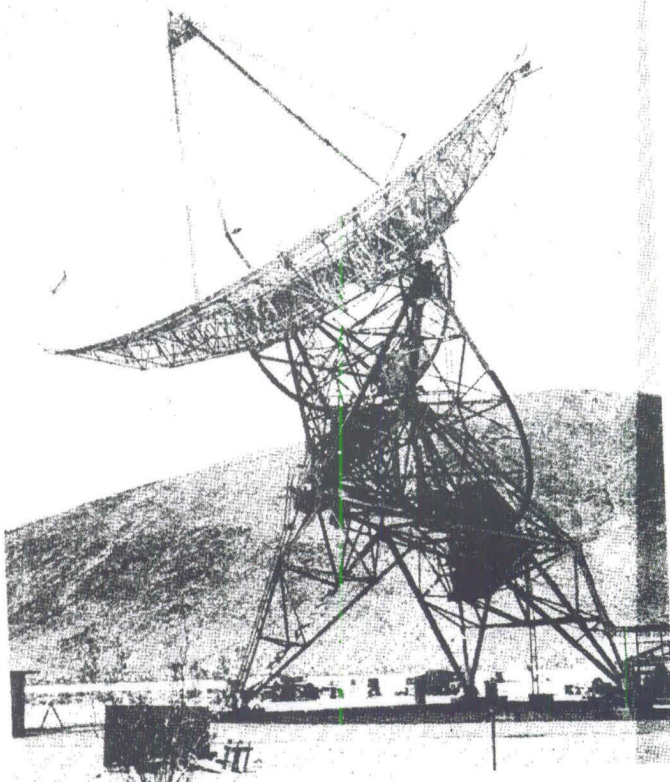
The first DSIF station to be activated is located at Goldstone Dry Lake in California (Fig 1).

(b)(3)



Figure

(b)(3)



(b)(3)

(b)(3)

A. Goldstone Receiver Site

A natural bowl-shaped dry lake bed in a remote section of California's Mojave Desert was chosen as the site for the first component of the NASA-JPL Deep Space Instrumentation Facility. Goldstone Station is located about 100 air miles from the Pasadena-Los Angeles metropolitan area and is 40 miles from the nearest main highway.

(b)(3)

Pages 8 through 124 redacted for the following reasons:

(b)(3)