

NASA-Lewis Research Center
Cleveland, Ohio

MEMORANDUM TO: Staff

FROM : Director

SUBJECT : Employee Open House, Sunday, October 9

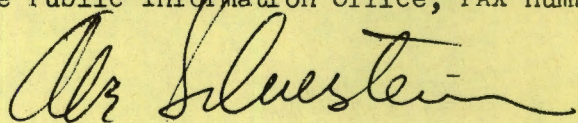
The Lewis Research Center will be open to NASA employees and their immediate families on Sunday, October 9, from 12:30 to 6:30 p.m.

Tickets for the Employee Open House must be obtained from division and staff offices at Lewis and Plum Brook. One ticket will be issued per family. Members of the family should be listed on the reverse side of the ticket, which will be collected as the family enters the Lewis gate. The ticket also will designate a parking lot which the family should use. No on-street parking will be permitted. Buses will be available to transport visitors around the Center.

During the Open House, the Inspection presentations will be given at facilities listed on the reverse side of this memo. A number of space exhibits also will be available, including the Gemini VII spacecraft (located in the Hangar), a full-scale Centaur rocket vehicle (Zero-G Facility) and numerous models of scientific spacecraft launched by Lewis vehicles (Hangar and picnic grounds). Refreshments will be available in the Main Cafeteria, DEB Cafeteria and at the picnic grounds.

In bringing their families to the Center, employees are reminded of a few basic rules: (1) Admission to the Center will be by ticket only (tickets should be completed prior to arriving at the Center), (2) No cameras will be permitted, and (3) Employees are responsible for the conduct of their families in observing proper safety rules and staying clear of those areas not open for visitors.

Any questions regarding the Employee Open House should be directed to the Technology Utilization Office or the Public Information Office, PAX numbers 8049, 5233, 2140 or 3284.



Abe Silverstein

Copy to:
Each Lewis and Plum Brook Employee
NASA Headquarters
Files

DJV:cm

(OVER)

Stop Title

Location

Movie -- Report on Plum Brook and Nuclear Rocket Development Stations

D.E.B. Auditorium

Jet Engine Noise and Space Exhibits

Hanger and Hanger Apron

Space Power Stationary Systems

Solar Collector Lab

Materials Research

Material Processing Lab

Air Breathing Engines

10 x 10 S.W.T. Test Chamber

Electric Propulsion

Electric Propulsion Laboratory

Launch Vehicles and Zero Gravity

Zero Gravity Facility

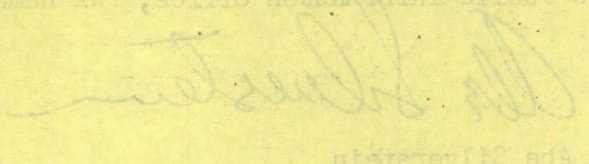
Advanced Chemical Rockets

P.S.L. Test Area

Space Power Rotating Systems

E.R.B. -- West Wing

Except for the Jet Engine Noise demonstration in the Hanger, all stops will present their programs approximately every one-half hour beginning at 12:30 p.m. The Jet Engine Noise demonstration will be repeated hourly (on the hour) beginning at 1:00 p.m.



The Director

Copy for
Tech. Serv. Div. and Plum Brook employees
NASA Headquarters
Files
Date:

(reference 9)

UNITED STATES GOVERNMENT

Memorandum

NASA-Lewis Research Center
Cleveland, Ohio

TO : Inspection Stop Organizers
and Coordinators

DATE: October 6, 1966

FROM : Open House Manager

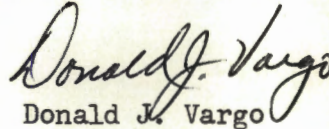
SUBJECT: Employees Open House October 9, 1966

In anticipation of mishaps occurring at the October 9 Employees Open House, the following services will be available.

The Fire Station and Medical Services will be open at their normal locations. For lesser emergencies, NASA automobiles and drivers may be located by calling the DEB Lobby, PAX 8118 or PBX 6930.

In the event of trouble or failure of your communications equipment, assistance will be available at PAX 8325.

Would you please make the contents of this memorandum known to all members of your respective stops. Any questions regarding this memorandum, or the October 9, 1966 Open House, should be directed to me at PAX 8049.


Donald J. Vargo

Stop TitleLocation

Movie -- Report on Plum Brook and
Nuclear Rocket Development Stations

D.E.B. Auditorium

Exhibits and Refreshments

D.E.B. Cafeteria

Jet Engine Noise and Space Exhibits

Hangar and Hangar Apron

Space Power Stationary Systems

Solar Collector Lab

Refreshments Available

Main Cafeteria

Materials Research

Material Processing Lab

Air Breathing Engines

10 x 10 S.W.T. Test Chamber

Exhibits and Refreshments

Picnic Grounds

Electric Propulsion

Electric Propulsion Laboratory

Launch Vehicles and Zero Gravity

Zero Gravity Facility

Advanced Chemical Rockets

P.S.L. Test Area

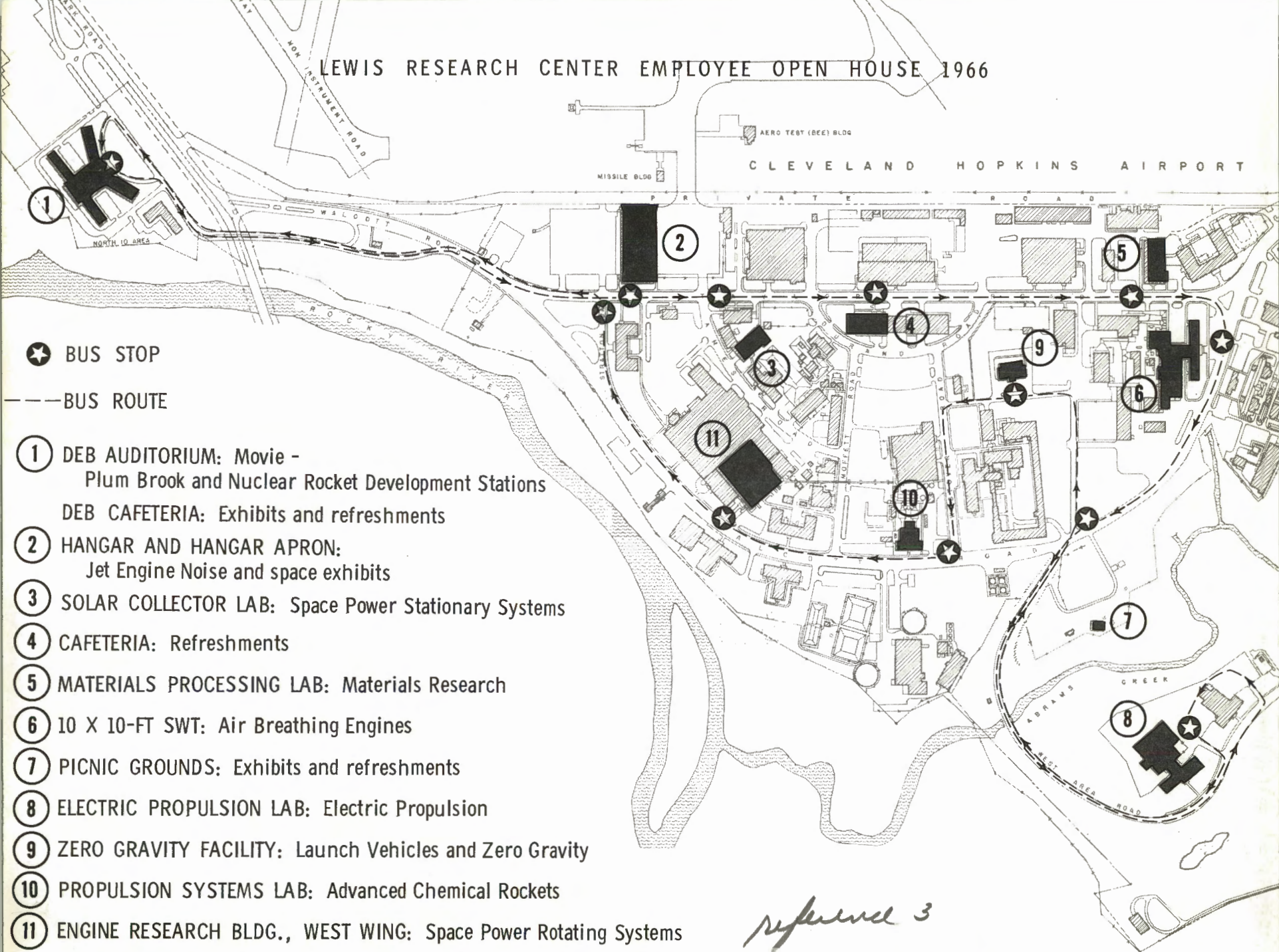
Space Power Rotating Systems

E.R.B. -- West Wing

Except for the Jet Engine Noise demonstration in the Hangar, all stops will present their programs approximately every one-half hour beginning at 12:30 p.m. The Jet Engine Noise demonstration will be repeated hourly (on the hour) beginning at 1:00 p.m.

All employees are to park in their off street assigned parking area. The provided C.T.S. bus transportation is to be used for movement within the Laboratory confines. Parking on the Lewis roads will not be permitted.

LEWIS RESEARCH CENTER EMPLOYEE OPEN HOUSE 1966



★ BUS STOP

--- BUS ROUTE

- ① DEB AUDITORIUM: Movie - Plum Brook and Nuclear Rocket Development Stations
DEB CAFETERIA: Exhibits and refreshments
- ② HANGAR AND HANGAR APRON:
Jet Engine Noise and space exhibits
- ③ SOLAR COLLECTOR LAB: Space Power Stationary Systems
- ④ CAFETERIA: Refreshments
- ⑤ MATERIALS PROCESSING LAB: Materials Research
- ⑥ 10 X 10-FT SWT: Air Breathing Engines
- ⑦ PICNIC GROUNDS: Exhibits and refreshments
- ⑧ ELECTRIC PROPULSION LAB: Electric Propulsion
- ⑨ ZERO GRAVITY FACILITY: Launch Vehicles and Zero Gravity
- ⑩ PROPULSION SYSTEMS LAB: Advanced Chemical Rockets
- ⑪ ENGINE RESEARCH BLDG., WEST WING: Space Power Rotating Systems

1966 LEWIS OPEN HOUSE TASK FORCE

Open House Manager Donald Vargo
Assistant Manager Harold D. Wharton
Special Consultants Willson H. Hunter
 James J. Modarelli

Chartered Bus Transportation Manager William V. Waite
Special NASA Transportation Manager Harry F. Dombroski
Picnic Grounds Arrangements Joseph E. Bullock
Cafeteria Arrangements Janell J. Kercksmar
Ticket distribution and phones Connie Mueller
 Linda Peterson
 Marilyn Edwards

Audience Seating (providing usherettes) Evelyn Young

Usherettes Dorothy Davidson
 Sue Barnes
 Eileen Staab
 Connie Mueller
 Marge Bolgany
 Mary Ann Kohl

Handouts (Literature and anniversary seal) Frank J. Lalli
 Mary G. Brady

In addition to these people I freely used people on Willson Hunter's Task Force (ref. # 1).

I. Early Planning

- (a) Length and time of show (12:30 to 6:30; Oct. 9, 1966)
- (b) What tour stops would we use. All tour stops were retained except for C & EC, which was dropped because of lack of space for accomodating crowds.
- (c) Based on a 7500 person estimate it was decided using reference 2 to have the people park in their normal off street parking area. Transportation would be provided via nine CTS 53 passanger buses. Plum Brook people were to use either D.E.B., the Hanger North lot, or the combined EPL and C&EC parking areas.
- (d) To inform visitors a handout was made. It consisted of a copy of the inspection brochure along with a map and a commerative seal, see reference 3.

- (e) Bus stop and Building designation signs were ordered (reference 4)
- (f) The main cafeteria, DEB cafeteria and the picnic grounds would be open for refreshments (wieners, ice cream, pop and milk) and as rest stops.

II. Memoranda Sent

- (a) Memo to Staff from Abe Silverstein (ref. 5)
- (b) To Division Chiefs and Heads of Major Staff Offices (ref. 6)
- (c) To A. D. Johnson (reference 7)
- (d) Division Ticket Distributers, also included is a sample ticket (reference 8)
- (e) To Inspection Stop Organizers and Coordinators (reference 9)
- (f) Sample Thank You Memos (reference 10)

III. Group Meeting

- (A) With Bob Gaines, the Security people and representatives of the Fire station. The following decisions were made.
 - (1) Code calls would be turned off during the Open House
 - (2) Traffic lights at the Hanger, Fab shop and West area (picnic grounds) would be used
 - (4) We would have a cross walk at MPL and the Picnic Grounds
 - (5) DEB lights would be on flash until 4:00 p.m. They would then go to two lanes out one lane in.
 - (6) The guard force would patrol the center roads discouraging people from parking on the streets. Also rendering general assistance where needed.
 - (7) The Fire Station and Medical Services would be open.
 - (8) Open house workers could come in with their badges prior to 12:30
 - (9) Any Citizenship problems were to be referred to the Security Office.
 - (10) Bus routes were explained and arrangements were made to block off Ames, Moffett and Westover Roads.
 - (11) The guards would handle both tickets and handouts
 - (12) Security was informed that the Division Chiefs were asked to notify security of areas to be locked.
- (B) With Bill Egan, his Division Chiefs and/or their representative
 - (1) The general plan of the Open House was discussed
 - (2) The shop areas were to be cleaned up and hazardous areas were to be marked and protected (by guards if necessary)
 - (3) Steam was to be left on where it did not interfere with the tour people.
 - (4) A general question and answer period followed.

IV. Observations made during the Open House

(1) In general people did as they were asked; they parked their cars off the streets and rode the buses.

(2) By actual ticket count 8472 people attended the Open House. Security estimated that if we could have counted the families who came in by badge that we probably had equal to 10,000 people come through the lab.

(3) Nine buses appeared about right. At peak load conditions we could have used maybe one more bus and a lesser number during the light load time.

It took the buses 22 minutes to cover their lab route during peak loading. Under light loads or empty it took them 18 minutes. The drivers were instructed to stop at every stop whether or not people were waiting there.

(4) The Lab commemorative seal was a best seller. Many people came up and asked for extra seals.

PARKING LOT SPACES

1.	ROO. BLD. - ASB	120
2.	BML NO LINES	102
3.	CAFETERIA	22
4.	CAFETERIA (EXECUTIVE)	6
5.	CARPENTER Shop	24
6.	CHEMICAL LAB	80
7.	CHEMICAL LAB. DOCK	NOT MARKED
8.	D.E.B.	763
9.	D.E.B. ANNEX	27
10.	E.C.L.	42
11.	E.P.L. - EAST	105
12.	E.P.L. - SOUTH	106
13.	E.R.B. - EAST	81
14.	E.R.B. - WEST	34
15.	E.R.B. - WEST WING	25
16.	E.P.R.B.	50
17.	E.S.B. - EAST	34
18.	E.S.B. - SOUTH	59
19.	E.S.B. NORTH	141
20.	FAB. Shop - NORTH	73
21.	FAB. Shop - EAST	27
22.	FLIGHT RES.	280
23.	F.M.L.	21
24.	HEFL	20
25.	IRT	18
26.	M.P.L. - NORTH	46
27.	M.P.L. - SOUTH	13
28.	M. & S. - EAST	66
29.	M. & S. - SOUTH	39
30.	MAIN GATE	54
31.	OLD ROCKET LAB.	56
32.	PSLEB	7
33.	PSLSA	16
34.	LIBRARY SERVICES	117
35.	LAB	51
36.	PLT. SER.	44
37.	PRVT. SYST.	16
38.	R.F.T.F.	10
39.	R.C.L.	7
40.	R.O.B.	74

PARKING LOT SPACES

TRAINING OFFICE	42
42. LIB. SERV. - Chem Lab.	56
43. WRIGHT PARK	155
44. ZERO "G"	20 NOT MARKED
45. 8X6 TUNNEL AREA	60 NOT MARKED
46. 8X6 O.B. FRONT	9
47. 8X6 MAIN LOT	98
48. 10X10 O.B. FRONT	27
49. 10X10 MAIN LOT	80 NOT COMPLETE
50. 10X10 O.B. EAST	20 BUILDING ADDITIONAL
51. 10X10 TUNNEL AREA	60 NOT MARKED
52. 10X10 AIR DRYER	7 NOT MARK
53. BAL. ST. - GARAGE (3)	54

SPC

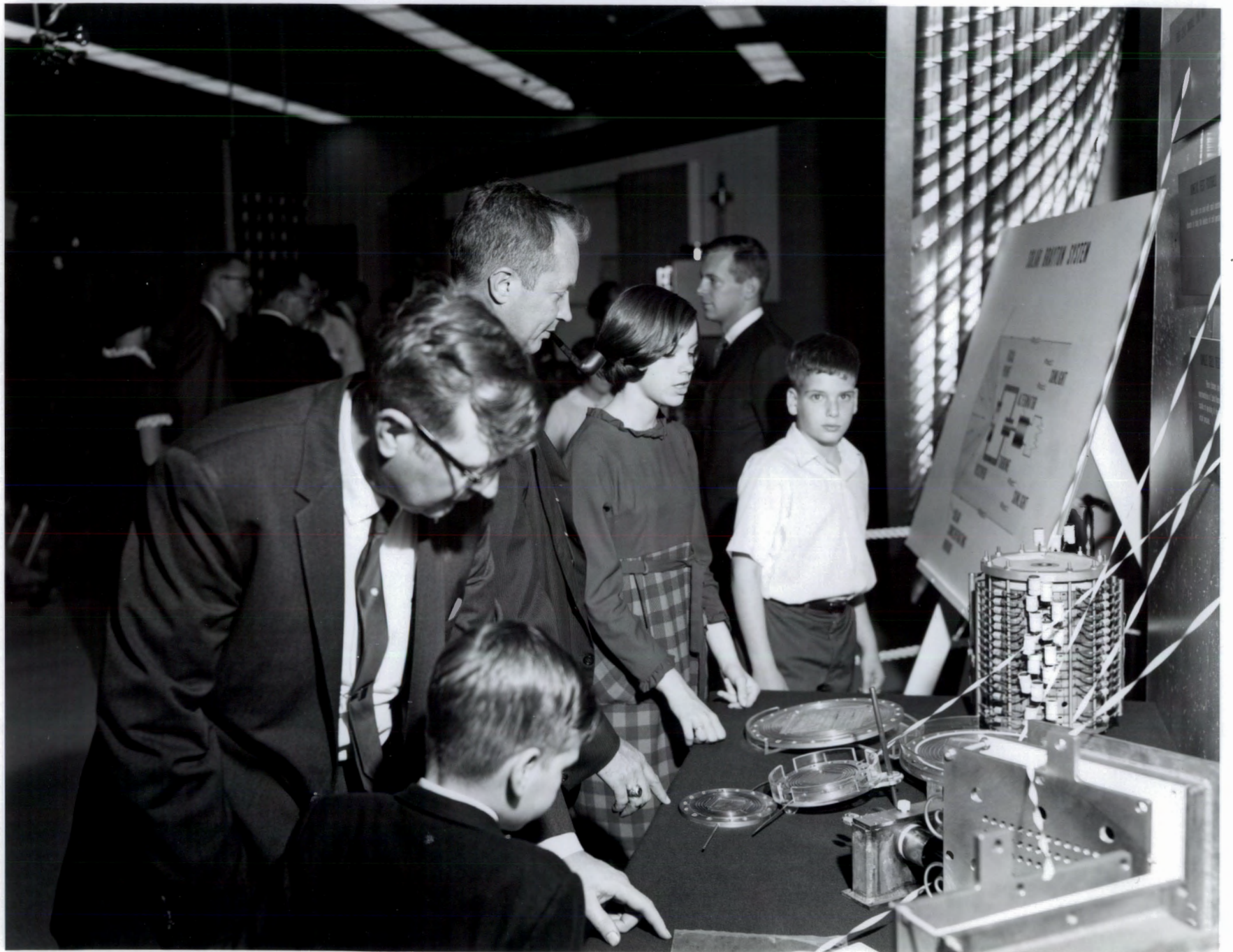
4-BURNER	
SRB WEST WING DOCK	4
CHEM LAB DOCK	2
MUFFETT - AMES LOT	10
10X10 EXHAUSTER SECTION	34
WEST AREA GATE	4
S.P.S.	

(Reference # 2)

There are 3730 Available off street parking spaces available
in various parking lots throughout the center. In
addition, there are off street areas that are used
for federal ^{and} vehicles only. Using a 10% overall deduction
for contractors, transit vehicles, and government owned
vehicles, ~~for~~ a total of 373 spaces requested for
3730 leaving 3357. There are ^{one} 4538 employees
using these lots, ~~they~~ included SMO, military, and
and AEC employees attached









A TEAM IN ORBIT

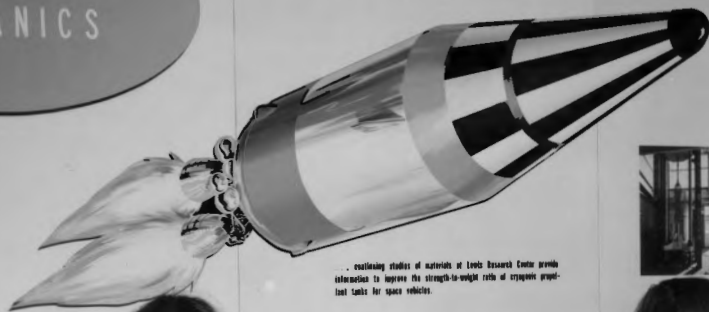
Astronauts Virgil I. "Gus" Grissom, Command Pilot, and John W. Young, Pilot, were launched from Cape Kennedy on March 23, 1965, at 9:24 am. Three orbits later the crew touched down in the Atlantic . . . a successful finale to the first manned flight of the Gemini program.



GEMINI
PILOTS' SUIT



FRACTURE MECHANICS



... testing studies of materials at Lewis Research Center provide information to improve the strength-to-weight ratio of cryogenic propellant tanks for space vehicles.





GEMINI

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

The Gemini program was the first step in the development of the space shuttle. It was designed to test the techniques of orbital flight, rendezvous, and docking. The program was a success, paving the way for the Apollo program and the moon landing.

- Gemini 6 and Gemini 7 were the first two spacecraft to rendezvous in orbit.
- Gemini 8 and Gemini 9 were the first two spacecraft to dock together.
- Gemini 11 and Gemini 12 were the first two spacecraft to perform a rendezvous and docking with a target vehicle.





