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Colonel J. W. O'Neill
DCS/Plans & Operations
Air Force Ballistic Missile Div. (ARDC)
Los Angeles 45, California

ATTN: Major C. W. S. Johnson WDLAR/1122

Subject: Contact Points Within the NASA for Exchange of Information on Lunar Program Matters

Dear Colonel O'Neill:

This letter is to supply a list of the NASA personnel who will serve as points of contact for exchange of information on aspects of the NASA lunar program. The reply to your letter of 30 July 1960, has been delayed because the NASA organizational approach to several long-range but important lunar mission objectives has been in a formative stage. Although the NASA organization devoted to lunar work will continue to develop as the program progresses, we can now identify points of contact in most technical specialty and mission areas.

The NASA lunar program is at present divided into four interrelated segments.

1. Advanced research in specialty areas appropriate to manned lunar flight.
2. Applied research, analysis and development culminating in unmanned lunar flights.
3. Similar categories of effort aimed at manned lunar flights.
4. Analytical and experimental R&D to define and to lay the technical groundwork for development of the launch vehicle or vehicles to be employed in the manned lunar program.

The NASA advanced research effort in the lunar area has been organized under the NASA Headquarters Office of Advanced Research Programs through a Working Group on Research Problems of Manned Lunar Flight. Membership is:

E. C. Pearson, NASA Headquarters-OARP, Chairman
H. Press, NASA Headquarters-OARP
W. H. Woodward, NASA Headquarters-OARP
J. V. Becker, Langley Research Center
A. Seiff, Ames Research Center
C. F. Schueller, Lewis Research Center
H. M. Drake, Flight Research Center

Langley Lunar Mission Steering Group
J. V. Becker, Chairman

Langley Research Areas:
Trajectories, guidance, control
Instrumentation
Data Transmission
Structures, materials
Propulsion analysis
Model Flight Testing
Auxiliary Power
Dynamic Loads
Rendezvous
Reentry Aerodynamics, Heating, Configurations
Environmental Hazards

Ames Manned Lunar Mission Team
A. Seiff, Chairman

Ames Research Areas:
Piloting, Simulation, Bioengineering
Launch Vehicle Problems
Landing
Parachutes
Rendezvous, Propulsion Analysis
Guidance Techniques
Trajectories, Control
Heat Transfer
Meteoroid Damage
Physics

Lewis Lunar Mission Research Effort
C. F. Schueller

Lewis Research Areas:
Propulsion and power
Lunar soft landing

The following contacts pertain to the NASA unmanned lunar program:

Management Matters

Mr. Oran W. Nicks — Lunar Flight Systems, NASA Hq.
Mr. W. W. Cunningham — Lunar Sciences, NASA Hq.
Mr. C. I. Cummings — Lunar Program Director, JPL

Propulsion

Mr. Geoffrey Robillard — Chief, Propulsion Division, JPL

Secondary Power

Mr. Carth Sweetnam — Chief, Spacecraft Secondary Power Section, JPL

Guidance

Mr. Howard Waglund — Deputy Chief, Guidance and Control Division, JPL

Sensors

Mr. Ray Heacock — Chief, Instruments Section, JPL

Communications and Data Handling

Dr. Eberhardt Rechtin — Chief, Telecommunications Division, JPL

Facilities-Earth Base

Dr. Norm Jacobson — Chief, Systems Test and Operation Section, JPL

Facilities-Lunar Base

Dr. Norm Jacobson — Chief, Systems Test and Operation Section, JPL

Re-Entry

Edwin Pounder — Research Engineer, JPL

Environment

Mr. William Howard — Chief, Engineering Facilities Division, JPL

The Jet Propulsion Laboratory address is:

4800 Oak Grove Drive
Pasadena 3, California

The Apollo project encompasses the present NASA spacecraft plans for manned lunar missions. Apollo will have manned circumlunar flight as its objective. It is intended, however, that the spacecraft developed for the Apollo project be utilized, with suitable alterations, for subsequent manned lunar landings. The complete development team for Project Apollo has not yet been assembled. It is suggested that initial contact be made with Mr. Charles Donlan or Mr. Robert Piland, who are presently organizing the group. Their address is NASA Space Task Group, Langley Field, Virginia. In addition to the development team, substantial research effort directed toward the Apollo project is underway at the NASA Research Centers. Appropriate Contacts are:

Mr. John Becker - Langley Research Center
Mr. Carl Schueller - Lewis Research Center
Dr. A. Seiff - Ames Research Center
Mr. Hubert Drake - Flight Research Center

It is expected that within the next month specific contacts in the various technical areas can be named. In the meantime, contact can be made through the previously named leaders.

The NASA effort to define the launch vehicle program in support of manned landings on the moon is being directed by Marshall Space Flight Center except for nuclear propulsion NRO which falls under Mr. Harold B. Finger in the Office of Launch Vehicle Programs in NASA Headquarters. The points of contact at Marshall Space Flight Center are :

Configurations Systems Design

H. H. Koelle

Propulsion

H. H. Koelle
H. Waldner

Guidance

Dr. W. Haeussermann

Sensors

Dr. W. Haeussermann
Dr. E. D. Geissler
Mr. K. L. Heimburg
Mr. W. A. Mrazek

Communication & Handling Data

Dr. Haeussermann
Dr. K. H. Debus
Dr. H. Hoelzer

Materials & Resources

Mr. E. A. Mrazek

The address of the Marshall Space Flight Center is:

National Aeronautics and Space Administration
George C. Marshall Space Flight Center
Huntsville, Alabama

Sincerely,

(Signed) Donald H. Heaton

Donald H. Heaton
Assistant Administrator
for Resources

CC: Mr. Myers - RT
Mr. Cortright - DL
Mr. Disher - DA-1
Mr. Hall - LA

AA
DHH:kk
11/28/60