

S/23 (170)

F. MILLER, CALIF., CHAIRMAN
 J. W. MARTIN, JR., MASS.
 CHARLES G. FULTON, PA.
 CHARLES A. MOCHLIN, OHIO
 ALPHONSO L. NEGRO, ILL.
 THOMAS M. PALLY, WASH.
 DONALD RUMFELD, ILL.
 EDWARD J. GURNEY, FLA.
 JOHN W. WYDLER, N.Y.
 BARBARA D. CONABLE, JR., N.Y.

COMMITTEE ON SCIENCE AND ASTRONAUTICS
 HOUSE OF REPRESENTATIVES
 SUITE 2317 - 5 FLORENCE HOUSE OFFICE BUILDING
 WASHINGTON, D.C.

CHARLES F. BRIDGES
 EXECUTIVE DIRECTOR AND
 CHIEF COUNSEL
 JOHN A. GANSTADT, JR.
 PHILIP D. YEAGER
 FRANK H. RAMBELL, JR.
 W. M. BOONE
 MICHAEL P. HINES
 PETER A. GERARDI
 JAMES E. WILSON
 HAROLD A. GOULD
 PHILIP P. DICANDON
 JOSEPH M. FLETCHER
 ELIZABETH S. KERNAN
 FRANK J. GIBSON
 DENIS C. CRIGLEY

August 18, 1965

Mr. James E. Webb
 Administrator
 National Aeronautics and
 Space Administration
 Washington, D. C.

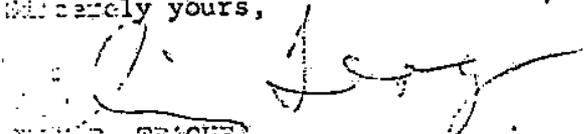
Dear Jim:

Much discussion is now taking place on the possibility of a circumlunar flight using a Gemini spacecraft prior to the Apollo lunar landing.

We would appreciate your point of view as to this as a possible program. Further, if additional funds were available, would you feel that a Gemini circumlunar flight should be accomplished or such funds used in the Apollo program?

Your comment will be of assistance to the continuing review of our National Space Program by the Oversight Subcommittee.

Sincerely yours,


 JOHN E. TEAGUE
 Chairman
 Subcommittee on
 NASA Oversight

From AKS
 Guidance Copy to _____
 Action Copy to _____
 Info Copy to _____ AA

 Rec'd in NASA _____
 Suspense Date _____

6

Circumlunar Flight

yellow
Aero-Astro
filed
Ref: Gemini
Apollo

September 10, 1965

Honorable Olin E. Teague
Chairman, Subcommittee on NAA (Overflight)
Committee on Science and Astronautics
House of Representatives
Washington, D.C. 20515

Dear Mr. Chairman:

With reference to your request for my views on the possibility of a circumlunar flight, using a Gemini system, prior to the Apollo lunar landing, you will note that the enclosed statement, which was submitted to the Senate Committee on Aeronautical and Space Sciences on August 23, indicates that in the process of accomplishing the lunar exploration mission with Apollo, our program will give us experienced crews, operating know-how, and the ground and space equipment to undertake quite a number of other scientific and technological developments. The point is also made that our on-going and approved missions will require, for the next several years, the peak performance of the scientific, engineering, industrial and facilities complex that we have been expanding since 1961.

As indicated to the Senate Committee, we are not ready to recommend major new projects on the order of Gemini or Apollo. Our main objective now is to see that our basic current responsibilities are met effectively. I also feel that the Apollo system now being developed can meet our requirements for knowledge and capability better than the adoption of other courses of action.

The insertion in our program of a circumlunar flight, using the Gemini system, would require major resources. We are now proceeding with many complex developmental, test, and operational efforts with too thin a margin of resources. Therefore, if additional funds were available, I believe it would be in the national interest to use these in the Apollo program.

As you will remember, I testified in 1961 that the USSR would most likely have the capability and therefore accomplish ahead of us each major milestone in space up to the lunar landing and exploration with manned vehicles. We have clearly stated over the past

CONCURRENCES: few years that they will do a lunar fly-by with men before we can accomplish this with the Apollo system. However, there is certainly

OFFICIAL FILE COPY

OFFICE CODE ▶

SIGNATURE ▶

x Ref: Circumlunar Flight

no assurance that we could do this in advance of them with a modified Gemini system. Further, our main reliance for operating at lunar distances and developing a thorough-going capability that can achieve preeminence in space, and hold it, is the large Saturn V/Apollo system. The fact that this has been under contract for several years; that full duration test runs have been made on each stage of the Saturn V booster; that we now have an eight-day Gemini flight behind us and will shortly have information from a 14-day flight; and the fact that the Apollo ground test equipment has largely been fabricated and the flight line equipment will shortly be constructed and delivered means that we have a growing competence that we and the world can see is considerably beyond anything the Russians have shown us, including Proton One. Therefore, I do not believe a decision not to make the substantial investment that would be required by a modified Gemini lunar fly-by will change the posture which our program has had for a number of years.

Sincerely yours,

Original Signed By
James E. Webb

James E. Webb
Administrator

- cc:
AD/Dr. Dryden
AA/Dr. Seamans
AC/Mr. Callaghan
AO/Col. Vogel

CONCURRENCES: A/Webb/erc/9-10-65

OFFICIAL FILE COPY

OFFICE CODE ▶						
SIGNATURE ▶						
DATE ▶						

Honorable Olin E. Teague
Chairman, Subcommittee on NASA Oversight
Committee on Science and Astronautics
House of Representatives
Washington, D.C. 20515

Dear Mr. Chairman:

With regard to your letter of August 14, 1965, Gemini circumlunar flight has been considered and evaluated.

It appears technically feasible to upgrade the Gemini system to perform the circumlunar flight. However, the timing of this effort is such that it would certainly require a crash effort to show an appreciable time advantage over the Apollo flights.

We are proceeding in an orderly manner towards not only landing on the moon but developing a strong, balanced capability in space. As I stated in my testimony before the Senate Aeronautical and Space Science Committee on August 23rd, the planned lunar effort which includes the unmanned Lunar Orbiter and Surveyor is designed to provide the required information for the manned Apollo lunar landing. We do not think it would be wise to divert our efforts from this goal to undertake a separate program to achieve the more limited circumlunar objective.

In the event that additional funds were made available to the agency we feel that it would be most beneficial to apply these funds to the mainstream Apollo effort to bolster our ability to meet our present commitments, rather than initiating a competitive effort.

We appreciate your interest in this effort and hope that we have answered your questions satisfactorily.

Sincerely yours,

Rewritten: CSB:rqr:9/8/65

A-5619

CONCURRENCES:

Walter D. Webb
Administrator

OFFICIAL FILE COPY

OFFICE CODE ▶							
SIGNATURE ▶							
DATE ▶							

AC:CSK
A-5619

Honorable Clin E. Teague
Chairman, Subcommittee on NASA Oversight
Committee on Science and Astronautics
House of Representatives
Washington, D. C. 20515

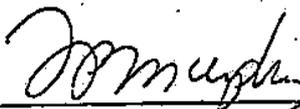
Dear Mr. Chairman:

With regard to your letter of August 13, 1965, Gemini
circumlunar flight has been considered and evaluated.

It appears technically feasible to upgrade the Gemini
system to perform the circumlunar flight. However, the
timing of this effort is such that it would certainly
require a crash effort to show an appreciable time
advantage over the Apollo flights.

We are proceeding in an orderly manner towards not only
landing on the Moon but developing a strong, balanced
capability in space. As I stated in my testimony
before the Senate Aeronautical and Space Science
Committee on August 23, the planned lunar effort which
includes the unmanned Lunar Orbiter and Surveyor is
designed to provide the required information for the
manned Apollo lunar landing. I do not think it would
be wise to divert our efforts from this goal to under-
take a separate crash program to achieve the more
limited circumlunar objective.

CONCURRENCE:


Richard L. Callaghan
AC

Concur AD
Dryden
9/3/65
REST
Robert C. Seamans, Jr.
AA

In the event that additional funds were made available to the agency we feel that it would be most beneficial to apply these funds to the minimum Apollo effort to bolster our ability to meet our present commitments, rather than initiating a competitive effort.

We appreciate your interest in this effort and hope that we have answered your questions satisfactorily.

Sincerely yours,

James E. Webb
Administrator

cc: 40

A-5619

4

Teague Desk

8/13/66

GRACE P. MILLER, CALIF., CHAIRMAN
 OLIN E. TEAGUE, TEX.
 JOHN C. MARTIN, MISS.
 JOHN NICHOLS, W. VA.
 EDWARD G. BREWSTER, CALIF.
 J. EDWARD ROUSH, IND.
 BOB CASCO, TEX.
 JOHN W. DAVIS, GA.
 WILLIAM P. RYAN, N.Y.
 THOMAS N. DOWNING, VA.
 JOE D. WAGGONNER, JR., LA.
 DON FUSUA, FLA.
 CARL ALBERT, OKLA.
 ROY A. TAYLOR, N.C.
 GEORGE C. BROWN, JR., CALIF.
 WALTER H. MOULLEN, OHIO
 WILLIAM R. ANDERSON, TENN.
 BROCK ADAMS, WASH.
 LESTER L. WOLFF, N.Y.
 WESTON E. VIVIAN, MICH.
 GALE SCHLESER, ILL.

JOSEPH W. MARTIN, JR., MASS.
 JAMES G. FULTON, PA.
 CHARLES A. MOSEY, OHIO
 RICHARD L. ROUBERUSH, IND.
 ALPHONZO BELL, CALIF.
 THOMAS M. PERRY, WASH.
 DONALD RUMSFELD, ILL.
 EDWARD J. GURNEY, FLA.
 JOHN W. WYDLER, N.Y.
 BARBARA B. CONABLE, JR., N.Y.

CHARLES F. DUCANDER
 EXECUTIVE DIRECTOR AND
 CHIEF COUNSEL
 JOHN A. CARSTARPHEN, JR.
 PHILIP B. YCAGER
 FRANK R. HAMMILL, JR.
 W. H. BOONE
 RICHARD F. NIXES
 PETER A. GERARDI
 JAMES E. WILSON
 HAROLD A. GOULD
 PHILIP P. DICKINSON
 JOSEPH M. FELTON
 ELIZABETH E. KENNAN
 FRANK J. GIBOUX
 DENIS C. GAGLEY

COMMITTEE ON SCIENCE AND ASTRONAUTICS
 HOUSE OF REPRESENTATIVES
 SUITE 2317 - 5 FAYETTE HOUSE OFFICE BUILDING
 WASHINGTON, D.C.

August 18, 1965

Mr. James E. Webb
 Administrator
 National Aeronautics and
 Space Administration
 Washington, D. C.

Dear Jim:

Much discussion has taken place on the possibility of
 a circumlunar flight using Gemini system prior to the Apollo
 lunar landing.

We would appreciate your point of view as to this as a
 possible program. Further, if additional funds were available,
 would you feel that a Gemini circumlunar flight should be accom-
 plished or such funds used in the Apollo program?

Your comment will be of assistance to the continuing review
 of our National Space Program by the Oversight Subcommittee.

Sincerely yours,

OLIN E. TEAGUE
 Chairman
 Subcommittee on
 NASA Oversight

From AXS
 Guidance Copy to
 Action Copy to
 Info Copy to

AA
 AD
 8/13
 8/31
 L

8619
 Rec'd in NASA
 Suspende Date

8

AA files

M/Associate Administrator for Manned Space Flight

*AA
PT* / *Procurement*

June 12, 1964

AA/Associate Administrator

Proposed Gemini Circumlunar Mission Study.

As agreed in our discussion on June 8, there will be no contractor study effort on possible Gemini circumlunar flight missions. Any circumlunar mission studies relating to the use of Gemini will be confined to in-house study efforts.

Robert C. Seamans, Jr.

Robert C. Seamans, Jr.

PT
WAF:am
6/12/64

circumlunar flight

*gillespie
Aero-Astro
filed
10/10/65
1/Ref: Apollo*

September 10, 1965

Honorable Olin E. Teague
Chairman, Subcommittee on NAAM (vs. flight)
Committee on Science and Astronautics
House of Representatives
Washington, D.C. 20515

Dear Mr. Chairman:

With reference to your request for my views on the possibility of a circumlunar flight, using a Gemini system, prior to the Apollo lunar landing, you will note that the enclosed statement, which was submitted to the Senate Committee on Aeronautical and Space Sciences on August 23, indicates that in the process of accomplishing the lunar exploration mission with Apollo, our program will give us experienced crews, operating know-how, and the ground and space equipment to undertake quite a number of other scientific and technological developments. The point is also made that our on-going and approved missions will require, for the next several years, the peak performance of the scientific, engineering, industrial and facilities complex that we have been expanding since 1961.

As indicated to the Senate Committee, we are not ready to recommend major new projects on the order of Gemini or Apollo. Our main objective now is to see that our basic current responsibilities are met effectively. I also believe that the Apollo system now being developed can meet our requirements for knowledge and capability better than the adoption of other courses of action.

The insertion in our program of a circumlunar flight, using the Gemini system, would require major resources. We are now proceeding with many complex development, test, and operational efforts with too thin a margin of resources. Therefore, if additional funds were available, I believe it would be in the national interest to use these in the Apollo program.

As you will remember, I testified in 1964 that the USSR would most likely have the capability and technology to accomplish ahead of us each major milestone in space up to the lunar landing and exploration with manned vehicles. We have clearly stated over the past few years that they will do a lunar flight with man before we can accomplish this with the Apollo system. However, there is certainly

CONCURRENCES: OFFICIAL FILE COPY

OFFICE CODE >

SIGNATURE >

x Ref: Circumlunar Flight

no assurance that we could do this in place of them with a modified Gemini system. Further, our main reliance for operating at lunar distances and developing a thorough-going capability that can achieve preflight in space, and hold it, is the large Saturn V/Apollo system. The fact that this has been under contract for several years; that full duration test runs have been made on each stage of the Saturn V booster; that we now have an eight-day Gemini flight behind us and will shortly have information from a 14-day flight; and the fact that the Apollo ground test equipment has largely been fabricated and the flight line equipment will shortly be constructed and delivered means that we have a growing competence that we and the world can see is considerably beyond anything the Russians have shown us, including Proton One. Therefore, I do not believe a decision not to make the substantial investment that would be required by a modified Gemini lunar fly-by will change the posture which our program has had for a number of years.

Sincerely yours,

Original Signed By
James E. Webb

James E. Webb
Administrator

- cc:
 AD/Dr. Dryden
 AA/Dr. Seamans
 AC/Mr. Callaghan
 AO/Col. Vogel

CONCURRENCES: A/Webb/erc/9-10-65

OFFICIAL FILE COPY

OFFICE CODE >				
SIGNATURE >				
DATE >				

Honorable Olin E. Teague
 Chairman, Subcommittee on NASA Oversight
 Committee on Science and Astronautics
 House of Representatives
 Washington, D.C. 20515

Dear Mr. Chairman:

With regard to your letter of August 1, 1965, Gemini circumlunar flight has been considered and evaluated.

It appears technically feasible to upgrade the Gemini system to perform the circumlunar flight. However, this it would certainly require a substantial advantage over the Apollo flights.

We are proceeding in an orderly manner moon but developing a strong, balanced in my testimony before the Senate Armed on August 23rd, the planned lunar orbiter and Surveyor is assigned for the manned Apollo lunar landing. We do not intend to divert our efforts from this goal to the more limited circumlunar objective.

In the event that additional funds were available to the agency we would feel that it would be most beneficial to apply these funds to the mainstream Apollo effort to bolster our ability to meet our present commitments, rather than initiating a competitive effort.

We appreciate your interest in this effort and hope that we have answered your questions satisfactorily.

1965, Gemini circumlunar flight

to the Gemini system to perform the circumlunar flight. The purpose of this effort is such that it would show an appreciable time

advantage not only landing on the moon but developing a strong, balanced capability in space. As I stated in my testimony before the Senate Armed and Space Science Committee on August 23rd, the planned lunar orbiter and Surveyor is assigned to provide the required information for the manned Apollo lunar landing. I do not think it would be wise to divert our efforts from this goal to the more limited circumlunar objective.

In the event that additional funds were available to the agency we would feel that it would be most beneficial to apply these funds to the mainstream Apollo effort to bolster our ability to meet our present commitments, rather than initiating a competitive effort.

We appreciate your interest in this effort and hope that we have answered your questions satisfactorily.

Sincerely yours,

Rewritten: CSB:rqr:9/8/65

A-5619

CONCURRENCES:

OFFICE CODE >	DATE >	SIGNATURE >	DATE >

OFFICIAL FILE COPY

AD:OSK
A-5619

Honorable Clin E. Beag
Chairman, Subcommittee on M.S. Oversight
Committee on Science and Astronautics
House of Representatives
Washington, D. C. 20515

Dear Mr. Chairman:

With regard to your letter of August 13, 1965, Gemini circumlunar flight has been considered and evaluated.

It appears technically possible to upgrade the Gemini system to perform the circumlunar flight. However, the timing of this effort in such a manner would certainly require a crash effort to show an appreciable time advantage over the Apollo flight.

We are proceeding in an orderly manner towards not only landing on the Moon but developing capability in space. As I testified before the Senate Aeronautical and Space Science Committee on August 23, the plan includes the unmanned Lunar Orbiter designed to provide the required information for the Apollo/Lunar landing. It is not wise to divert our efforts to take a separate and highly limited circumlunar objective.

Donner HD
Engelstein
9/3/65

CONCURRENCE:

Richard L. Callaghan
Richard L. Callaghan
AC

Robert C. Seamans, Jr.
Robert C. Seamans, Jr.
AA

In the event that additional funds were made available to the agency we feel that it would be most beneficial to apply these funds to the maximum Apollo effort to bolster our ability to meet our present commitments, rather than initiating a completely new effort.

We appreciate your interest in this effort and hope that we have answered your questions satisfactorily.

Sincerely yours,

James B. Webb
Administrator

01:40

A-5619

→ MCL/Carol

Cross file

See List Below

SEP 30 1965

MC/Capt. Freitag

Circumlunar Gemini Flights

I am forwarding the attached correspondence to you at Mr. Webb's request. It is for the information and use of you and your staff as a guide as this indicates NASA's position on possible circumlunar Gemini flights.

Original signed by
Robert F. Freitag

Robert F. Freitag
Director
MSF Field Center Development

Enclosure:

Copy of ltr from Congressman
Teague to Mr. Webb dtd 8/18/65
and copy of ltr from Mr. Webb
to Congressman Teague dtd 9/10/65

Distribution:

MN/Alibrando
MM/Lovelace
MM/Dittmer
MP/Lilly
MP/Koenig
MS/Cotton
MS/Symonds
MA/Phillips
MA/Seaton

MG/Schneider
MG/Summerfelt
MT/Gray
MO/Christensen
MO/Cover
ML/Jones
ML/Field
Bellcomm/Hornbeck
Bellcomm/Thompson
MT/Summers

MSFC: DIR/von Braun
E-D/Kline

KSC: DIR/Debus
P/Petrone

MSC: AA/Gilruth
AE/Hamburger

MCL/WTAshley/ww-27454-9/30/65

CHARLES P. MILLER, CALIF., CHAIRMAN
 OLIVER L. BROWN, TEX.
 JOHN F. BURNETT, MINN.
 RICHARD C. HILL, N. VA.
 EMILIO G. DI CARO, CONN.
 J. EDWARD HUGHES, IND.
 JOHN C. STAFFORD, CALIF.
 JOHN W. MOYER, LA.
 WILLIAM F. BRYAN, N.Y.
 WALTER D. DICKSON, VA.
 JAMES H. MOONEY, JR., LA.
 JOHN H. HENRY, ILL.
 WALTER H. HIGHT, OKLA.
 JAMES A. FARLEY, N.C.
 ROBERT C. BISHOP, JR., CALIF.
 WALTER H. MOULDER, OHIO
 WILLIAM M. ANDERSON, TENN.
 JESSE ADAMS, WASH.
 LEONOR L. WOLFF, N.Y.
 WILSON E. VIVIAN, MICH.
 GALE SCHILLER, ILL.

JOSEPH W. ... JR., MASS.
 JAMES G. F. ... N. PA.
 CHARLES A. MOSENER, OHIO
 MICHAEL L. ROUDSISER, IND.
 ALFONSO B. LL., CALIF.
 THOMAS M. FLELLY, WASH.
 DONALD RUMOFFED, ILL.
 EDWARD J. GURNEY, FLA.
 JOHN W. WYOLER, N.Y.
 BARREN E. COMABLE, JR., N.Y.

CHARLES P. MILLER
 EXECUTIVE DIRECTOR
 CHIEF COUNSEL
 JOHN A. CARTER
 PHILIP S. YEAGER
 FRANK R. HAMMILL
 W. H. BOONE
 RICHARD P. ...
 PETER A. ...
 JAMES E. ...
 HAROLD A. ...
 PHILIP F. ...
 JOSEPH M. ...
 ELIZABETH S. ...
 FRANK J. ...
 BOWEN C. ...

COMMITTEE ON SCIENCE AND ASTRONAUTICS
HOUSE OF REPRESENTATIVES
 SUITE 2317-2325 RAYBURN HOUSE OFFICE BUILDING
 WASHINGTON, D.C.

August 18, 1965

Mr. James E. Webb
 Administrator
 National Aeronautics and
 Space Administration
 Washington, D. C.

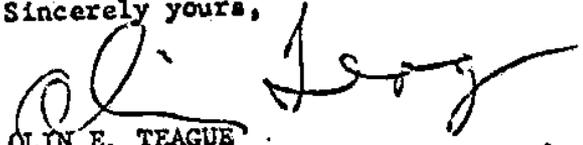
Dear Jim:

Much discussion is now taking place on the possibility of
 a circumlunar flight using a Gemini system prior to the Apollo
 lunar landing.

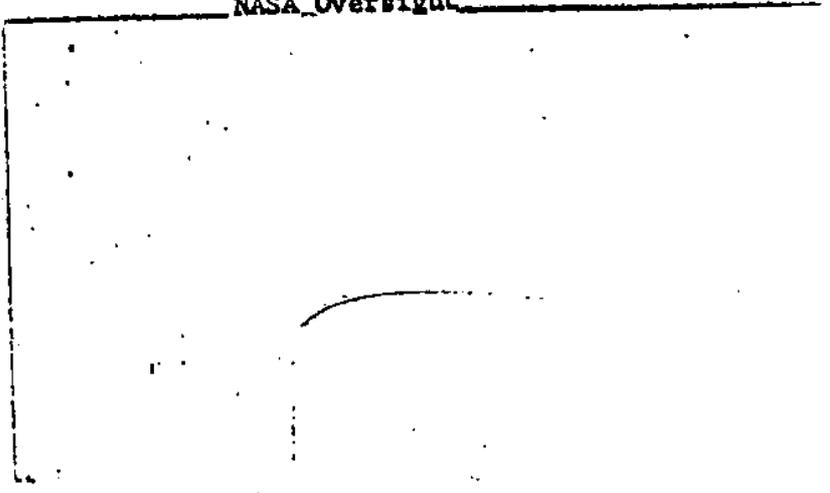
We would appreciate your point of view as to this as a
 possible program. Further, if additional funds were available,
 would you feel that a Gemini circumlunar flight should be accom-
 plished or such funds used in the Apollo program?

Your comment will be of assistance to the continuing review
 of our National Space Program by the Oversight Subcommittee.

Sincerely yours,



OLIN E. TEAGUE
 Chairman
 Subcommittee on
 NASA Oversight





NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

WASHINGTON, D.C. 20546

September 10, 1965

OFFICE OF THE ADMINISTRATOR

Honorable Olin E. Teague
Chairman, Subcommittee on NASA Oversight
Committee on Science and Astronautics
House of Representatives
Washington, D.C. 20515

Dear Mr. Chairman:

With reference to your request for my views on the possibility of a circumlunar flight, using a Gemini system, prior to the Apollo lunar landing, you will note that the enclosed statement, which was submitted to the Senate Committee on Aeronautical and Space Sciences on August 23, indicates that in the process of accomplishing the lunar exploration mission with Apollo, our program will give us experienced crews, operating know-how, and the ground and space equipment to undertake quite a number of other scientific and technological developments. The point is also made that our on-going and approved missions will require, for the next several years, the peak performance of the scientific, engineering, industrial and facilities complex that we have been expanding since 1961.

As indicated to the Senate Committee, we are not ready to recommend major new projects on the order of Gemini or Apollo. Our main objective now is to see that our basic current responsibilities are met effectively. I also feel that the Apollo system now being developed can meet our requirements for knowledge and capability better than the adoption of other courses of action.

The insertion in our program of a circumlunar flight, using the Gemini system, would require major resources. We are now proceeding with many complex developmental, test, and operational efforts with too thin a margin of resources. Therefore, if additional funds were available, I believe it would be in the national interest to use these in the Apollo program.

As you will remember, I testified in 1961 that the USSR would most likely have the capability and therefore accomplish ahead of us each major milestone in space up to the lunar landing and exploration with manned vehicles. We have clearly stated over the past few years that they will do a lunar fly-by with men before we can accomplish this with the Apollo system. However, there is certainly no assurance that we could do this in advance of them with a modified Gemini system. Further, our main reliance for operating

at lunar distances and developing a thorough-going capability that can achieve preeminence in space, and hold it, is the large Saturn V/Apollo system. The fact that this has been under contract for several years; that full duration test runs have been made on each stage of the Saturn V booster; that we now have an eight-day Gemini flight behind us and will shortly have information from a 14-day flight; and the fact that the Apollo ground test equipment has largely been fabricated and the flight line equipment will shortly be constructed and delivered means that we have a growing competence that we and the world can see is considerably beyond anything the Russians have shown us, including Proton One. Therefore, I do not believe a decision not to make the substantial investment that would be required by a modified Gemini lunar fly-by will change the posture which our program has had for a number of years.

Sincerely yours,

Original signed by
James E. Webb
James E. Webb
Administrator