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Record Group/Collection: George H.W. Bush Presidential Records
Collection/Office of Origin: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: General Science Files

OA/ID Number: 62045
Folder ID Number: 62045-003

Folder Title:
Physical Sciences: Space [2 of 3] [1991]

Stack:	Row:	Section:	Shelf:	Position:
	0	0	0	0

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

DOCUMENT NUMBER: 9123633

ORIGINATOR: 02

STATUS I

DIRECTORATE STATUS

FROM: TRULY, Richard: NASA

TO: DR. D.A. BROMLEY

① DAB
② Marian

DATE OF
CORRESPONDENCE: 08/16/91

SUBJECT: RE: VISIT TO THE NASA CENTERS, SEPTEMBER 27-29.

DIRECTORATE STAFF
ASSIGNED: ASSIGNED:

ACTION STAFF
REQUIRED: ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley

WHITE HOUSE TRACKING #: CONTACT PERSON:
REMARKS: PHONE: EXT:

DAB made the trip.

OSTP RECEIVED: 08/28/91
DEPT RECEIVED:

FILE: P-PHYSCIAL SCIENCES-SPACE



National Aeronautics and
Space Administration

Washington, D.C.
20546

Office of the Administrator

RECEIVED

91 AUG 28 P 2: 46

August 16, 1991

OFFICE OF THE
DIRECTOR

The Honorable D. Allan Bromley
Assistant to the President
for Science and Technology and
Director, Office of Science and
Technology Policy
Executive Office of the President
Washington, DC 20506

Dear Dr. *Allan* Bromley:

I'm delighted your schedule will allow you to join me to visit several of the NASA Centers, September 27-29. Tentatively, we are planning to depart on Friday afternoon and return Sunday evening to visit the Johnson Space Center in Houston, Texas; the Marshall Space Flight Center in Huntsville, Alabama; and the Langley Research Center in Langley, Virginia.

My staff will contact your office regarding the specific details. I look forward to seeing you soon.

Sincerely,

Richard H. Truly
Richard H. Truly
Administrator

*Allan, as we get a little closer let's
talk agenda and potential other attendees
from your staff or wherever.*

*Remind-me
please
DAB*

RT



National Aeronautics and
Space Administration

Washington, D.C.
20546

Office of the Administrator

RECEIVED

91 AUG 28 P2:46

August 16, 1991

OFFICE OF THE
DIRECTOR

The Honorable D. Allan Bromley
Assistant to the President
for Science and Technology and
Director, Office of Science and
Technology Policy
Executive Office of the President
Washington, DC 20506

Dear Dr. *Allan* Bromley:

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My staff will contact your office regarding the specific details. I look forward to seeing you soon.

Sincerely,

Richard H. Truly
Richard H. Truly
Administrator

*Allan, as we get a little closer let's
talk agenda and potential other attendees
from your staff or wherever.*

RT

"CORRESPONDENCE TRACKING"

TYPE: PRESIDENTIAL

DOCUMENT NUMBER: 9123494

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: PEOPLES, John: FERMILAB

TO: PRESIDENT BUSH

DATE OF
CORRESPONDENCE: 08/09/91

SUBJECT: RE: A NEW INFORMAL PROFILE OF FERMILAB.

DIRECTORATE
ASSIGNED:

STAFF
ASSIGNED:

ACTION
REQUIRED:

STAFF
ACTION:

SENDER'S DUE DATE:

OSTP DUE DATE:
DATE COMPLETED:

STAFF DUE DATE
DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
PHYSICAL SCIENCES

WHITE HOUSE TRACKING #:

CONTACT PERSON:
PHONE:

EXT:

REMARKS: Enclosures to DAB.

OSTP RECEIVED: 08/15/91
DEPT RECEIVED:

FILE: P-EOP-PRESIDENTIAL*P-PS-ENERGY

Priority



Fermilab

3494
Fermi National Accelerator Laboratory
P.O. Box 500 • Batavia, Illinois • 60510
708-840-3211 FTS 370-3211

Director's Office

August 9, 1991

OSTP
George Bush
President
The White House
Washington, D.C. 20500

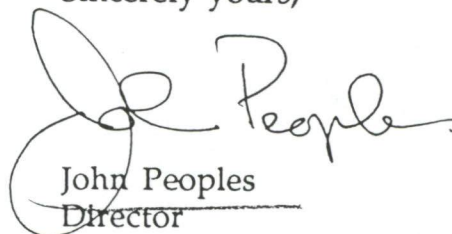
Dear Mr. President:

I am happy to present you with a new, informal profile of Fermilab, the largest, most active high-energy physics laboratory in the United States. *Boundless Horizons* conveys the essence of what we do, the spirit of our approach, and the values that over the years have shaped the Laboratory's contributions to science and to society.

Civic leaders of wisdom and foresight have helped Fermilab to become a national laboratory of the highest quality. We are grateful for your commitment to scientific excellence, to technical innovation, and to learning of many kinds.

I hope you share my pride in the vigor, excitement, and importance of our achievements and our aspirations.

Sincerely yours,


John Peoples
Director

Enclosure
Boundless Horizons

THE WHITE HOUSE
WASHINGTON

September 19, 1991

Dear John:

Just a brief note of congratulations on your new report **Fermilab: Boundless Horizons**. The report is beautifully done, and is the sort of document that makes my job substantially easier.

Unfortunately our paths have not crossed as often as I would have liked in the recent past. Let me only wish you continuing success in your responsibilities at Fermilab.

With all best wishes,

Sincerely yours,



D. Allan Bromley
The Assistant to the President
for
Science and Technology

Dr. John Peoples
Director
Fermilab National Accelerator Laboratory
Post Office Box 500
Batavia, Illinois 60510



FERMILAB: BOUNDLESS HORIZONS

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION DOCUMENT NUMBER: 9122961
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS

FROM: WASSERBURG, G. J.: CALIFORNIA INSTITUTE OF TECHNOLOGY

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 07/22/91

SUBJECT: RE: THE SCIENTIFIC COMMUNITY BEING IDENTIFIED AS ONE
OF THE MAJOR CAUSES OF DEFEAT OF THE SPACE STATION.

DIRECTORATE STAFF
ASSIGNED: ASSIGNED:

ACTION STAFF
REQUIRED: ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
PHYSICAL SCIENCES
Carl Bretscher

WHITE HOUSE TRACKING #: CONTACT PERSON:
PHONE: EXT:
REMARKS:

CLOSED

OSTP RECEIVED: 07/29/91 FILE: P-PHYSICAL SCIENCES-SPACE
DEPT RECEIVED:

2960

CALIFORNIA INSTITUTE OF TECHNOLOGY

DIVISION OF GEOLOGICAL AND PLANETARY SCIENCES 170-25

RECEIVED

91 JUL 29 P 3: 55

July 22, 1991

OFFICE OF THE
DIRECTOR

Dr. D. Allan Bromley
The Assistant to the President
for Science and Technology
The White House
Old Executive Office, Bldg #358
17th and Pennsylvania Ave. N.W.
Washington, D.C. 20506

Dear Allan:

I was in Woods Hole at an NAS committee meeting on the Space Exploration Initiative when my office received your letter of 9 July. I tried to call you from Woods Hole and would have flown down to Washington to aid if you wished but you were off fighting battles or something. The problem you raised about the scientific community being identified as one of the major causes of defeat of the space station is correct. That is indeed a serious issue. As of yesterday it seems that the Senate has passed the bill. The problem of resuscitating the space science budget remains a deep problem both in the near term and the long term. If there is something specific which I can do to help, please don't hesitate to call on me. The actions so far by the scientific community and the NAS have been in serious error.

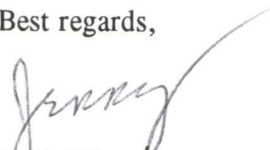
The SEI issue is a complex one and I hope that science can be placed as one of the real drivers along with the broader national issues which will dominate. The scientific community would have no justice in attempting to deny the myth of people in the universe. It can define the truly important experiments and observations required to do science without astronauts and with astronauts. Just to enumerate what can be done by astronauts as a justification for this effort would be a tragic error. To rush to Mars in a piloted mission without doing extensive robotic science and exploration would also be a catastrophe. This was done in Apollo where Ranger and Surveyor played only a minor role. This is suggested again for Mars in the 90 day report by NASA. We can define and hopefully carry out real scientific objectives of high merit. The urgency of fulfilling the myth by December 31 of year 2014 (c.f. The Stafford Report) is not evident to me. In my overview of this general issue, I used some new slides and under separate cover have sent prints of two of them for your amusement. I wanted to use both Mickey and Minnie but could not find a Minnie in a space suit. The model is one of the Viking lander with treads. It was a modification proposed by Martin Marietta back in ~ 1977 to use up the spare lander by making it somewhat (damned little) mobile, but a total system with the same science package as Viking. At a bill of 500 megas, I opposed it strongly. The backgrounds are from the Viking pictures.

Dr. D. Allan Bromley
July 22, 1991
Page 2

I am still convinced that a strong effort in robotic systems over the next decade is the way to go. This could have a strong feedback into our technical abilities and aid in strengthening our skills and opportunities within industry. We could then develop the infrastructure and experience to send piloted space craft and make a new "first step" on another planet, but based on evolving technology and producing good, nontrivial science.

Don't show the pictures to Stafford - it will give him fits.

Best regards,



G. J. Wasserburg
John D. MacArthur Professor
of Geology and Geophysics

GJW/dt

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

DOCUMENT NUMBER: 9122423

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: ROBERTS, Margaret: CENTER FOR NATIONAL PROGRAM EVALUATION

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 07/15/91

SUBJECT: A THANK YOU FOR PARTICIPATING IN THE SPACE STATION
CONGRESSIONAL BREAKFAST SERIES AND SPEAKING.

DIRECTORATE STAFF
ASSIGNED: ASSIGNED:

ACTION STAFF
REQUIRED: ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
PHYSICAL SCIENCES

WHITE HOUSE TRACKING #: CONTACT PERSON:
REMARKS: PHONE: EXT:

CLOSED

OSTP RECEIVED: 07/19/91
DEPT RECEIVED:

FILE: P-PS-SPACE*P-DAB-TKU

2423
CENTER for NATIONAL PROGRAM EVALUATION

RECEIVED

91 JUL 19 A10:05

OFFICE OF THE
DIRECTOR

July 15, 1991

Dr. D. Allan Bromley
The Assistant to the President
for Science and Technology
Old Executive Office Building
Room #358
Washington, DC 20506

Dear Dr. Bromley:

On behalf of the Center for National Program Evaluation, I would like to extend an enthusiastic thank you for your participation in our Space Station Congressional Breakfast Series. We were honored to have you as our guest speaker to address a topic of such great national interest and concern.

As the debate continues over the merits of manned space and Space Station Freedom, it is imperative that accurate information regarding the program is available to our lawmakers. It is in this capacity that the Breakfast series provides a forum for discussion. We very much appreciate your significant contribution to this endeavor.

Sincerely,

Margaret Roberts

Margaret Roberts
CNPE

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION DOCUMENT NUMBER: 9121999
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS

FROM: SMITHSONIAN INSTITUTION, National Air & Space Museum

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE:

SUBJECT: A COMPLIMENTARY ONE-YEAR SUBSCRIPTION TO AIR &
SPACE/SMITHSONIAN MAGAZINE.

DIRECTORATE STAFF
ASSIGNED: ASSIGNED:

ACTION STAFF
REQUIRED: ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
Steve Olson
ADMINISTRATION

WHITE HOUSE TRACKING #: CONTACT PERSON:
REMARKS: PHONE: EXT:

CLOSED

OSTP RECEIVED: 07/08/91
DEPT RECEIVED:

FILE: P-PHSICAL SCIENCES-SPACE



THE NATIONAL AIR AND SPACE MUSEUM
SMITHSONIAN INSTITUTION, WASHINGTON, DC 20560

Dear Allan,

On the occasion of our Fifteenth Anniversary, and in recognition of your friendship and support, a complimentary one-year subscription to AIR & SPACE/Smithsonian magazine has been arranged for your reading pleasure.

Martin

THE WHITE HOUSE
WASHINGTON

July 31, 1991

Dear Martin:

It was good to see you a few nights ago at the CEQ reception in the Castle. I am writing at this point to express to you my appreciation and thanks for your thoughtfulness in arranging for me to receive a subscription to **Air and Space/Smithsonian** magazine which I am sure I will very much enjoy. It is difficult, indeed, to believe that this is already your fifteenth anniversary, but you and your colleagues can be justly proud of what you have accomplished in this short period. There is a general consensus worldwide that the Air and Space Museum is one of, if not indeed, the most outstanding of all the museums in its class worldwide.

With warmest best wishes,

Sincerely yours,



D. Allan Bromley
The Assistant to the President
for
Science and Technology

Dr. Martin Harwit
Director
National Air & Space Museum
Smithsonian Institution
Washington, D.C. 20560

"CORRESPONDENCE TRACKING"

TYPE: ACTION
ORIGINATOR: 02

DOCUMENT NUMBER: 9121938
DIRECTORATE STATUS

STATUS I

FROM: ALLEN, Joseph P.: SPACE INDUSTRIES INTERNATIONAL

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 07/01/91

SUBJECT: RE: SPACE STATION FREEDOM

DIRECTORATE
ASSIGNED: PHYSICAL SCIENCES

STAFF
ASSIGNED:

ACTION
REQUIRED: FOR DAB'S SIGNATURE/AS
NECESSARY

STAFF
ACTION: Please see below

SENDER'S DUE DATE:

OSTP DUE DATE: 07/15/91

STAFF DUE DATE

DATE COMPLETED: DATE COMPLETED/DEPT: 7/5/91

COPIES TO: D. Allan Bromley

WHITE HOUSE TRACKING #:

CONTACT PERSON:
PHONE:

EXT:

REMARKS:

CLOSED Dr Bromley and Dr. Allen have
discussed the issues raised in Allen's letter, by
telephone. No further response is necessary.

OSTP RECEIVED: 07/01/91
DEPT RECEIVED:

FILE: SPACE

P-Phys. Dir. C. E. H.
7/5/91



SPACE
INDUSTRIES
INTERNATIONAL

1938
RECEIVED
June 18, 1991

91 JUL 1 P12:30

D. Allan Bromley, National Science Advisor
Office of Science & Technology Policy
Old Executive Office Building
17th & Pennsylvania Avenue, N.W.
Washington, DC 20546

OFFICE OF THE
DIRECTOR

Dear Allan:

I am very upset by the current state of affairs regarding Space Station. (See the enclosed letter to Norm Augustine.) I also fully realize that you are in a no-win position regarding "what to do." However, you should know that implementing the current Station redesign is still not possible for the money stated by NASA, notwithstanding the fact that lesser monies have been appropriated by the House. When the Station contractors hit their first major technical sticking point, in about 1993, this program will soak up NASA funds at a rate that will put black holes to shame. We may think that space scientists are unhappy now -- just wait until 1993 and beyond!

In any case, if the Senate does not get additional funding into the Bill in order to restore balance to the NASA budget for FY '92, then there is every chance that, near the end of Bush's second term, NASA will confess to having completed one-half a Station but, sadly, is now without means to transport it to orbit and is without science experiments of any significance to put aboard. "Return to the Moon and on to Mars" will then have been stymied, not by the physics laws of Kepler and Newton, but by the Appropriation Law, as amended, enacted by the United States Congress in 1991.

The irony of all this is that NASA, by making a simple design modification to *Freedom*, could easily reduce the D D T & E costs by at least 30% while at the same time leave the international commitments untouched, still utilize 80% of the current designs (thus protecting the \$5B of "sunk costs") and, additionally, gain upwards of two years on achieving permanent occupancy of the Station. I might add that the dollars saved by this design change could then permit NASA to restore balance to its other programs.

I would be pleased to discuss this design modification with you at your earliest convenience. In the meantime, what's a poor physicist to do?

Best regards,

Joseph P. Allen
President and Chief Executive Officer

JPA:WP:1169b
Enclosure

Space Industries International, Inc.
711 W. Bay Area Blvd., Suite 320
Webster, Texas 77598-4001
(713) 338-2676
Facsimile: (713) 338-2697



SPACE
INDUSTRIES
INTERNATIONAL

bcc: D. Allan Bromley, National Science Advisor

June 18, 1991

VIA FACSIMILE

Norman R. Augustine
Chairman and Chief Executive Officer
Chairman, Advisory Committee on the
Future of the U.S. Space Program
Martin Marietta Corporation
6801 Rockledge Drive
Bethesda, MD 20817

Dear Norm:

While I am greatly cheered by the strong emotional support for and the recognition of the importance of America, and Americans, continuing on the space frontier -- dramatically made evident in the recent emotional debate on the floor of the House of Representatives, I am nonetheless very distressed by the possible ramifications of the NASA Appropriations Bill as it now stands after the House action.

My concern, based to be sure on perhaps my incomplete understanding of the report language, is this: If the Appropriations Bill is not altered significantly by the Senate and then by the subsequent Conference Committee's actions, then the new law will force changes in the funding of current and future NASA programs which will be directly counter to about 90% of the Principal Recommendations of our Report.

If one then believes (as I do) that our Report has relevance and merit, then one must be concerned about the consequences of Congressional action applying an "anti-Augustine" budget reallocation of NASA funds. Further, one must be mindful of the fact that NASA, by insisting on Station funding even at the expense of every one of its other programs, will have then made a pact with the devil the likes of which are typically found only in the plots of tragic operas. And even uncultured rocket scientists know how such operas end.

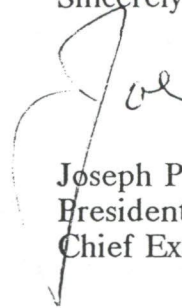
Norman R. Augustine
Chairman, Advisory Committee on the
Future of the U.S. Space Program

June 18, 1991
Page 2 of 2

Other than try to influence an occasional Senator to restore balance to the NASA bill (AND fund the station at an amount appropriate to the Nation's total budget requirements coupled with our commitment to the Space Exploration Initiative), I am uncertain what else to do beyond my expressing deep concerns to you a Chairman of our now disbanded Committee.

I care enormously about our country's space program. It's unthinkable to me that it would be drastically weakened by those seeking to save it. Even so, I see elements of this very possibility ticking ominously within the NASA bill as it now stands. Please call or write if there are additional efforts that any of us former committee members should be making.

Sincerely yours,

A handwritten signature in dark ink, appearing to read 'Joe', written over a vertical line that serves as a separator between the signature and the typed name below.

Joseph P. Allen
President and
Chief Executive Officer

JPA:WP:1168b

cc: Dr. Laurel L. Wilkening, Vice Chairman (via facsimile)
Advisory Committee on the Future of the U.S. Space Program

"CORRESPONDENCE TRACKING"

TYPE: ACTION DOCUMENT NUMBER: 9121951
ORIGINATOR: 02 STATUS I DIRECTORATE STATUS

FROM: EISENHARDT, Peter R.

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 06/28/91

SUBJECT: REQUEST FOR DR. BROMLEY'S SUPPORT OF SIRTf, WHICH
WILL COMPLETE NASA'S FAMILY OF GREAT OBSERVATORIES.

DIRECTORATE STAFF
ASSIGNED: PHYSICAL SCIENCES ASSIGNED:

ACTION STAFF
REQUIRED: DIRECT REPLY ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: 07/15/91 STAFF DUE DATE
DATE COMPLETED: 7/5/91 by KAE DATE COMPLETED/DEPT: .

COPIES TO: D. Allan Bromley

WHITE HOUSE TRACKING #: CONTACT PERSON:
PHONE: EXT:
REMARKS:

CLOSED

OSTP RECEIVED: 07/02/91 FILE: PHYSICAL SCIENCES-SPACE
DEPT RECEIVED:

1951
RECEIVED

91 JUL 2 AM 11:40

Peter Eisenhardt, Ph.D.
1845 N. Grand Oaks Ave.
Altadena, CA 91001

Friday, June 28, 1991

OFFICE OF THE
DIRECTOR

D. Allan Bromley, Director
Office of Science and Technology Policy
Old Executive Office Building
Washington, D.C. 20500

Dear Dr. Bromley:

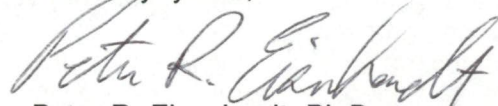
Imagine how limited our conception of the universe would be if night never fell, if the sky were always as bright as day. Yet this is the case for terrestrial infrared astronomy. The infrared sky brightness seen by a groundbased telescope is a million times greater than that for a liquid helium cooled space telescope, a difference which is literally like day vs. night.

I am writing to ask your support for SIRTf, the liquid helium cooled Space Infrared Telescope Facility, which will complete NASA's family of Great Observatories. SIRTf will be used for explorations from our own solar system to the most distant galaxies, sensing light emitted when the universe was less than 10% of its present age, and discovering those things which cannot be imagined if one has never seen the sky at night.

SIRTf will use cooled space telescope technology proven in the Infrared Astronomy Satellite (IRAS) and the Cosmic Background Explorer (COBE) while taking full advantage of dramatic U.S.-led breakthroughs in infrared detector arrays (using over 200,000 detectors vs. IRAS' 62). SIRTf is technologically ready to make the transition to Phase B and a New Start, but in the current fiscal climate needs high level administrative support to do so.

In a time of budget cutbacks, it is essential to follow priorities, to ensure that the most important things are accomplished. The urge to discover and explore the universe is fundamental to our country and our species, and may ultimately be our most important legacy. I believe Congress has recognized this in the past by generously funding NASA relative to other programs. The Augustine commission has recommended that space science receive highest priority within NASA, even at the expense of manned space station development. While I personally consider a manned space station essential in the long run, because it speaks to the fundamental need for discovery and exploration in all of us, I consider the present concept flawed in that it does not provide an essential ingredient for long term human occupancy: i.e. artificial gravity. Within space science, the National Research Council's Astronomy and Astrophysics Committee (chaired by John Bahcall) has selected SIRTf as its highest priority instrumental initiative for the 1990's. The priorities of the Augustine and Bahcall committees reflect the carefully considered consensus of a broad range of expertise and opinion, and I urge you to follow them in arriving at a realistic budget for the U.S. Space Program both now and in years to come.

Sincerely yours,


Peter R. Eisenhardt, Ph.D.

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF SCIENCE AND TECHNOLOGY POLICY
WASHINGTON, D.C. 20506

July 5, 1991

Dear Dr. Eisenhardt:

Thank you for your letter to OSTP in which you express your support for the Space Infrared Telescope Facility (SIRTF) and, more generally, for the priorities outlined in the Augustine and the Bahcall Committee reports.

It is my hope and expectation that final Congressional action on the NASA budget will permit continued R&D in 1992 toward SIRTF, as requested in the President's budget. I might add that there seems to be little doubt that the space science portion of the NASA budget will remain at the 20 percent share recommended by the Augustine panel.

As physicists, Allan Bromley and I share your excitement over the penetrating studies of the universe that the Great Observatory instruments have already made possible and, like you, we look forward to the discoveries that future instruments will bring.

Sincerely,



Karl A. Erb
Assistant Director
for Physical Sciences and Engineering

Peter R. Eisenhardt, Ph.D.
1845 North Grand Oaks Avenue
Altadena, California 91001

cc: D. Allan Bromley

"CORRESPONDENCE TRACKING"

TYPE: ACTION DOCUMENT NUMBER: 9121835
ORIGINATOR: 02 STATUS I DIRECTORATE STATUS

FROM: CRUIKSHANK, Dale P.: DIVISION FOR PLANETARY SCIENCES*AMERICAN
ASTRONOMICAL SOCIETY

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 06/17/91

SUBJECT: REQUEST FOR DR. BROMLEY TO USE HIS INFLUENCE TO
ENSURE THAT SPACE SCIENCE BE GIVEN HIGH PRIORITY IN
NASA'S PROGRAM & BUDGET.

DIRECTORATE STAFF
ASSIGNED: PHYSICAL SCIENCES ASSIGNED:

ACTION STAFF
REQUIRED: FOR DAB SIGNATURE ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: 07/05/91 STAFF DUE DATE
DATE COMPLETED: 7/8/91 by KAE DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley

WHITE HOUSE TRACKING #: CONTACT PERSON:
PHONE: EXT:
REMARKS:

CLOSED

OSTP RECEIVED: 06/21/91 FILE: P-SPACE
DEPT RECEIVED:



Chair

Dale P. Cruikshank
NASA/ Ames Research Center
MS 245-6
Moffett Field, CA 94035
415/604-4244
S:24609:cruikshank

Vice-Chair

Carle M. Pieters
Brown University
Dept. Geological Sci.
Providence, RI 02912
401/863-2417
n:cpeters

Secretary-Treasurer

Larry A. Lebofsky
Lunar and Planetary Laboratory
The University of Arizona
Tucson, AZ 85721
602/621-6947
S:looney:llebofsky

Press Officer

Richard P. Binzel
MIT
617/253-6486

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Jet Propulsion Laboratory

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The University of Arizona

Alan T. Tokunaga
University of Hawaii

17 June 1991

Dr. D. A. Bromley, Director
Office of Science & Technology Policy
Old Executive Office Building
Washington, DC 20500

Dear Dr. Bromley:

I write to you as the Chair of the Division for Planetary Sciences of the American Astronomical Society, an organization of over 700 planetary scientists who form the backbone of America's strength in the exploration of the Solar System.

The NASA FY 92 budget passed in the House of Representatives represents a disaster for Solar System exploration because it requires debilitating cuts in flight programs already approved and in progress. Notably, the CRAF/Cassini project, which has a congressionally mandated budget cap to which the Jet Propulsion Laboratory and the scientific community have been faithful, is in grave jeopardy if the House's budget is sustained in the Senate and in Conference.

While the scientists I represent find little scientific justification for the Space Station, we acknowledge that NASA's program is unbalanced without it. But to achieve balance it is essential that **space science** also be strongly represented in the NASA program, as the report of the Augustine Committee, which you have endorsed, puts as its highest recommendation.

On behalf of America's planetary science community, I urge you to use your influence to ensure that space science be given high priority in NASA's program and budget, and that our country's program of exploration of the Solar System through CRAF/Cassini is not canceled.

Sincerely,

Dale P. Cruikshank

THE WHITE HOUSE
WASHINGTON

July 8, 1991

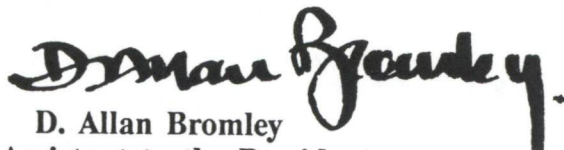
Dear Dr. Cruikshank:

Thank you for your letter of June 17, representing the position of the Division of Planetary Sciences of the American Astronomical Society concerning NASA's space programs.

As you noted, I fully support the principle -- articulated in the Augustine Committee report, and before that by myself and my colleagues in the Bush Administration -- that space science and the Space Station both represent essential ingredients of a balanced space program. I also agree that the action taken by the House of Representatives distorted the balance we had achieved in the President's proposed budget. (I should also note, however, that the House action was faithful to the Augustine Committee's recommendation that 20 percent of the NASA budget be allocated to space science.)

We continue to work to convince the Congress of the merits of the President's budget, and we hope that the Senate action later this week will reflect these efforts. The unfortunate fact is that we are finding it increasingly difficult to sustain on the Hill the rate of growth that the NASA budget has enjoyed in recent years. The support of the science community for the overall NASA program is needed now more than ever.

Sincerely yours,



D. Allan Bromley
The Assistant to the President
for
Science and Technology

Dr. Dale P. Cruikshank
Chair
Division for Planetary Sciences
American Astronomical Society
NASA/Ames Research Center
MS 245-6
Moffett Field, California 94035

OSTP STAFFING SHEET

SUBJECT: AAS on NASA's space programs

ORIGINATOR: Wong/Erb PHONE: _____

DATE ORIGINATED: 7/8 DATE DUE 7/5 CORR TRACKING NO.: 9121835

EXTERNAL COORDINATION: _____

			COMMENTS	DATE
	DIRECTOR			
	CHIEF OF STAFF			
	GENERAL COUNSEL			
	EXEC. ASST.			

ACTION REQUESTED:

[illegible]

"CORRESPONDENCE TRACKING"

TYPE: ACTION
ORIGINATOR: 02

DOCUMENT NUMBER: 9121774
DIRECTORATE STATUS

STATUS I

FROM: LEE, T.D.: COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 06/14/91

SUBJECT: RE: DETECTOR COLLABORATION & SSC CONSTRUCTION
COLLABORATION. REQUEST TO FAX LEE A GOOD TIME THAT
HE MAY PHONE YOU REGARDING A PERSONAL CONFIDENTIAL
MESSAGE FROM NISHIKAWA.

DIRECTORATE
ASSIGNED: D. Allan Bromley

STAFF
ASSIGNED:

ACTION
REQUIRED: AS NECESSARY

STAFF
ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: 06/21/91
DATE COMPLETED:

STAFF DUE DATE
DATE COMPLETED/DEPT:

COPIES TO: INTERNATIONAL/POLICY
PHYSICAL SCIENCES
Ken Yale

WHITE HOUSE TRACKING #:

CONTACT PERSON: T.D. LEE
PHONE: FX 212/932-31 EXT:

REMARKS:

CLOSED

OSTP RECEIVED: 06/17/91
DEPT RECEIVED:

FILE: INTERNATIONAL # SPACE

Physical Sciences
-Japan

Saken cur 7

Marion
Please all in K
today

9121774
Columbia University in the City of New York | New York, N.Y. 10027

DEPARTMENT OF PHYSICS

538 West 120th Street

June 14, 1991

Dr. D. Allan Bromley, Director
Office of Science and Technology Policy
Old Executive Office Building
17th Street and Pennsylvania Avenue, N.W.
Washington, D.C. 20506

OFFICE OF THE
DIRECTOR

91 JUN 17 11:19

RECEIVED

Dear Allan,

Just came back from Japan. I had two long conversations, one with Arima and the other with Nishikawa. Both are in favor of US-Japan collaboration on the SSC:

1) Detector collaboration--

Both regard the L* rejection as offering a new opportunity. A figure of about \$200,000,000 was mentioned and will be discussed at an important meeting today in Japan with Nishikawa as chairman. Arima thinks this will be successful and will mention it to the American Ambassador.

2) SSC construction collaboration--

Both believe this has to be done government-to-government at the highest level, with your involvement. Nishikawa has a personal confidential message which he asked me to transmit to you. Please fax me a good time that I may phone you. Except for Monday, the 17th, I will be in New York. My fax number is 212-932-3169.

Warmest regards

T.D.

T. D. Lee

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION DOCUMENT NUMBER: 9121735
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS

FROM: TRULY, Richard H.: NASA

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 06/11/91

SUBJECT: RE: NASA'S INVOLVEMENT IN THE INTERNATIONAL SPACE
YEAR (ISY). If you are interested in further
information on U.S. & international ISY initiatives,
a briefing for OSTP can be arranged.

DIRECTORATE STAFF
ASSIGNED: ASSIGNED:

ACTION STAFF
REQUIRED: ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
PHYSICAL SCIENCES
INTERNATIONAL/POLICY

WHITE HOUSE TRACKING #: CONTACT PERSON: PETER SMITH
PHONE: EXT:
REMARKS:

OSTP RECEIVED: 06/14/91
DEPT RECEIVED:

FILE: P-Physical Sciences -
SPACE



National Aeronautics and
Space Administration

Washington, D.C.
20546

Office of the Administrator

912 1735
RECEIVED

91 JUN 14 A10: 21 JUN 11 1991

The Honorable D. Allan Bromley
Assistant to the President
for Science and Technology and
Director, Office of Science and
Technology Policy
Executive Office of the President
Washington, DC 20506

OFFICE OF THE
DIRECTOR

Dear Dr. *Allan* Bromley:

I would like to take this opportunity to apprise you of NASA's involvement in an important U.S. Government science and education initiative that will be coming to fruition in 1992--the International Space Year (ISY). ISY is a year-long, worldwide celebration of space. It will commemorate the 500th anniversary of Columbus' voyage to the New World and the 35th anniversary of the International Geophysical Year which ushered in the space age with the launching of the first artificial satellites. The concept of an ISY was developed by the Congress, supported through legislation, and endorsed by Presidents Reagan and Bush, the United Nations, and major international scientific bodies.

In this country, NASA has the lead role in the Federal Government in preparing for observance of ISY. Internationally, ISY activities are being developed in the Space Agencies Forum on ISY (SAFISY)--an organization which joins 29 space agencies and space organizations from around the world in the common goals of encouraging, enhancing, and publicizing several significant international space research and education programs and communicating the importance of space science and technology to the general public. The President's initiative for Mission to Planet Earth is a principal theme of the ISY and the focus of many of these activities.

If you or your staff are interested in further information on U.S. and international ISY initiatives, Mr. Peter Smith, NASA's Director of International Relations, would be glad to arrange a briefing for OSTP.

Sincerely,

Richard H. Truly
Richard H. Truly
Administrator

"CORRESPONDENCE TRACKING"

TYPE: Information DOCUMENT NUMBER: 9121762
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS

FROM: COHEN, Bernard, M.D.: MOUNT SINAI SCHOOL OF MEDICINE

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 06/10/91

SUBJECT: A LETTER SENT TO THE MEMBERS OF THE HOUSE AND SENATE
APPROPRIATION COMMITTEES REGARDING THE SPACE
STATION.

DIRECTORATE STAFF
ASSIGNED: D. Allan Bromley ASSIGNED:

ACTION STAFF
REQUIRED: ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: Carl Bretscher

WHITE HOUSE TRACKING #: CONTACT PERSON:
PHONE: EXT:
REMARKS:

OSTP RECEIVED: 06/17/91
DEPT RECEIVED:

FILE: ~~Information P-Physical~~
~~Congressional * Space~~

P-Physical Sciences- Space

100-444444-100



THE MOUNT SINAI MEDICAL CENTER

ONE GUSTAVE L. LEVY PLACE • NEW YORK, NY 10029-6574



Mount Sinai School of Medicine • The Mount Sinai Hospital

Bernard Cohen, M.D.
Dr. Morris B. Bender
Professor of Neurology
Box 1135

(212) 241-7068

June 10, 1991

Honorable Allan Bromley
Assistant to the President and Director
Office of Science and Technology Policy
New Executive Office Building
Washington DC 20506

Dear Dr. Bromley:

Enclosed is a copy of a letter that I sent to members of the House and Senate Appropriations Committees. I hope that the country will continue to provide support for the Space Station Program. Thank you for your attention.

Sincerely,

A handwritten signature of Bernard Cohen in dark ink.

Bernard Cohen M.D.

RECEIVED
JUN 17 10 10 AM '91
DIRECTOR



THE MOUNT SINAI MEDICAL CENTER

ONE GUSTAVE L. LEVY PLACE • NEW YORK, NY 10029-6574

Mount Sinai School of Medicine • The Mount Sinai Hospital



Bernard Cohen, M.D.
Dr. Morris B. Bender
Professor of Neurology
Box 1135

June 6, 1991

(212) 241-7068

The Honorable Robert C. Byrd
Senate Committee On Appropriations
136 Dirksen Senate Office Building
Washington, DC 20510

Copy

Dear Senator Byrd:

I am writing to express my deep concern over the recent action that would terminate Space Station Freedom. I would like to urge the restoration of full funding for this program. Space Station Freedom is essential if we are to have a continued presence in space. Without it we will never get the information that is necessary to provide necessary medical support for humans to live and work in space. Moreover, we will never have the ability to do basic biomedical studies that are essential for understanding effects of microgravity on bone, muscle, or the brain in humans. These can only be done in a facility such as Space Station.

I am a neuroscientist, a member of the American Physiological Society, the Neuroscience Society and the American Society for Gravitational and Space Biology. I have been involved in Space Biology Research in the US and COSMOS Programs, so I am well aware of the achievements and needs of the NASA Life Science program. As Space Station has evolved, NASA has made extraordinary efforts to tailor the program to meet Congressional demands. Now that the program is reduced, it is being criticized for being inadequate for scientific needs. This was inevitable, because of the mandated cuts, but it is not enough to justify junking the entire program. The proposed cut in Space Station will virtually bring any long range planning for space biology in larger animals or in humans to a halt. All research cannot be done on small animals or on cells, and it must include work on primates and humans who will have prolonged exposure to microgravity.

I hope that you will consider the continuing need for biomedical information on humans in space when you evaluate the importance of this program.

30 JUN 1991

Respectfully,

Bernard Cohen
Bernard Cohen, M.D.

6/21/91

"CORRESPONDENCE TRACKING"

TYPE: ACTION DOCUMENT NUMBER: 9121668
ORIGINATOR: 02 STATUS I DIRECTORATE STATUS

FROM: KISAKA, Takashi: EMBASSY OF JAPAN

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 06/06/91

SUBJECT: FORWARDS A LETTER FROM AKIKO SANTO (Minister of
State for Science and Technology) REGARDING
CONTINUED EFFORTS TO ENSURE THAT THE NECESSARY
BUDGET FOR THE SPACE STATION PROGRAM WOULD BE
ALLOCATED & THAT THE U.S. WOULD IMPLEMENT THIS

DIRECTORATE STAFF
ASSIGNED: INTERNATIONAL/POLICY ASSIGNED:

ACTION STAFF
REQUIRED: FOR DAB SIGNATURE ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: 06/21/91 STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT: 7/1/91

COPIES TO: PHYSICAL SCIENCES
Ken Yale
D. Allan Bromley

WHITE HOUSE TRACKING #: CONTACT PERSON:
PHONE: EXT:
REMARKS:

CLOSED

OSTP RECEIVED: 06/07/91
DEPT RECEIVED:

FILE: P- INTERNATIONAL*SPACE
- Japan
Physical Sciences

EMBASSY OF JAPAN

2520 MASSACHUSETTS AVENUE, N.W.
WASHINGTON, D.C. 20008
(202) 939-6700

RECEIVED

91 JUN 7 All : 04

June 6, 1991

OFFICE OF THE
DIRECTOR

Dear Dr. Bromley:

I have the honor to transmit to you, enclosed herewith, a letter from Ms. Akiko Santo, Minister of State for Science and Technology.

Allow me to extend my warmest regards.

Sincerely yours,

Takashi Kisaka

Takashi Kisaka
Science Counselor

The Honorable D. Allan Bromley
Assistant to the President for
Science and Technology and Director
Office of Science and Technology Policy
Washington, D.C. 20506

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
01a. Letter	To: Allan Bromley From: Akiko Santo Re: Space Station program (2 pp.)	5/27/91	(b)(1)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: General Science Files
WHORM Cat.:
File Location: Physical Sciences: Space [2 of 3] [1991]

Date Closed:	3/31/2010	OA/ID Number:	62045-003
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

Presidential Records Act - [44 U.S.C. 2204(a)]

P-1 National Security Classified Information [(a)(1) of the PRA]
P-2 Relating to the appointment to Federal office [(a)(2) of the PRA]
P-3 Release would violate a Federal statute [(a)(3) of the PRA]
P-4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]
P-5 Release would disclose confidential advice between the President and his advisors, or between such advisors [(a)(5) of the PRA]
P-6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of gift.

PRM. Removed as a personal record misfile.

Freedom of Information Act - [5 U.S.C. 552(b)]

(b)(1) National security classified information [(b)(1) of the FOIA]
(b)(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]
(b)(3) Release would violate a Federal statute [(b)(3) of the FOIA]
(b)(4) Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]
(b)(6) Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]
(b)(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]
(b)(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
(b)(9) Release would disclose geological or geophysical information

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
01b. Letter	To: Clairborne Pell From: Allan Bromley Re: Space Station Freedom (2 pp.)	5/30/91	(b)(1)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: General Science Files
WHORM Cat.:
File Location: Physical Sciences: Space [2 of 3] [1991]

Date Closed: 3/31/2010	OA/ID Number: 62045-003
FOIA/SYS Case #: 2005-0336-F	Appeal Case #:
Re-review Case #:	Appeal Disposition:
P-2/P-5 Review Case #:	Disposition Date:
AR Case #:	MR Case #:
AR Disposition:	MR Disposition:
AR Disposition Date:	MR Disposition Date:

RESTRICTION CODES

Presidential Records Act - [44 U.S.C. 2204(a)]

P-1 National Security Classified Information [(a)(1) of the PRA]
P-2 Relating to the appointment to Federal office [(a)(2) of the PRA]
P-3 Release would violate a Federal statute [(a)(3) of the PRA]
P-4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]
P-5 Release would disclose confidential advice between the President and his advisors, or between such advisors [(a)(5) of the PRA]
P-6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of gift.

PRM. Removed as a personal record misfile.

Freedom of Information Act - [5 U.S.C. 552(b)]

(b)(1) National security classified information [(b)(1) of the FOIA]
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(b)(3) Release would violate a Federal statute [(b)(3) of the FOIA]
(b)(4) Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]
(b)(6) Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]
(b)(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]
(b)(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
(b)(9) Release would disclose geological or geophysical information

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
01c. Letter	To: William Broomfield From: Allan Bromley Re: Space Station Freedom (2 pp.)	5/30/91	(b)(1)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: General Science Files
WHORM Cat.:
File Location: Physical Sciences: Space [2 of 3] [1991]

Date Closed:	3/31/2010	OA/ID Number:	62045-003
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

Presidential Records Act - [44 U.S.C. 2204(a)]

P-1 National Security Classified Information [(a)(1) of the PRA]
P-2 Relating to the appointment to Federal office [(a)(2) of the PRA]
P-3 Release would violate a Federal statute [(a)(3) of the PRA]
P-4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]
P-5 Release would disclose confidential advice between the President and his advisors, or between such advisors [(a)(5) of the PRA]
P-6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of gift.

PRM. Removed as a personal record misfile.

Freedom of Information Act - [5 U.S.C. 552(b)]

(b)(1) National security classified information [(b)(1) of the FOIA]
(b)(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]
(b)(3) Release would violate a Federal statute [(b)(3) of the FOIA]
(b)(4) Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]
(b)(6) Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]
(b)(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]
(b)(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
(b)(9) Release would disclose geological or geophysical information

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
01d. Letter	To: Akiko Santo From: Allan Bromley Re: Space Station program (1 pp.)	6/26/91	(b)(1)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: General Science Files
WHORM Cat.:
File Location: Physical Sciences: Space [2 of 3] [1991]

Date Closed:	3/31/2010	OA/ID Number:	62045-003
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

Presidential Records Act - [44 U.S.C. 2204(a)]

P-1 National Security Classified Information [(a)(1) of the PRA]
P-2 Relating to the appointment to Federal office [(a)(2) of the PRA]
P-3 Release would violate a Federal statute [(a)(3) of the PRA]
P-4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]
P-5 Release would disclose confidential advice between the President and his advisors, or between such advisors [(a)(5) of the PRA]
P-6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of gift.

PRM. Removed as a personal record misfile.

Freedom of Information Act - [5 U.S.C. 552(b)]

(b)(1) National security classified information [(b)(1) of the FOIA]
(b)(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]
(b)(3) Release would violate a Federal statute [(b)(3) of the FOIA]
(b)(4) Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]
(b)(6) Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]
(b)(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]
(b)(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
(b)(9) Release would disclose geological or geophysical information

"CORRESPONDENCE TRACKING"

TYPE: ACTION DOCUMENT NUMBER: 9121603
ORIGINATOR: 02 STATUS I DIRECTORATE STATUS

FROM: EARLY, Johnnie L.: FLORIDA AGRICULTURAL & MECHANICAL UNIVERSITY

TO: Dr. D. Allan Bromley

DATE OF
CORRESPONDENCE: 06/04/91

SUBJECT: DISMAY AND DISAPPOINTMENT OVER THE CANCELLATION OF
THE SPACE STATION FREEDOM; REQUEST TO RESTORE SSC.

DIRECTORATE STAFF
ASSIGNED: PHYSICAL SCIENCES ASSIGNED:

ACTION STAFF
REQUIRED: AS NECESSARY ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: 06/18/91 STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
LIFE SCIENCES
Carl Bretscher

WHITE HOUSE TRACKING #: CONTACT PERSON:
PHONE: EXT:
REMARKS:

CLOSED

OSTP RECEIVED: 06/04/91
DEPT RECEIVED:

Physical Sciences -
FILE: SPACE*LIFE SCIENCES

Florida Agricultural and Mechanical University



RECEIVED

904/599-3000

ZIP CODE: 32307

31 JUN 4 AIO: 51

COLLEGE OF PHARMACY AND
PHARMACEUTICAL SCIENCES

OFFICE OF THE
DIRECTOR

May 31, 1991

Dr. D. Alan Bromley
Office of Science and Technology Policy
Executive Office of the President
Old Executive Office Building
Washington, DC 20500

Dear Dr. D. Alan Bromley:

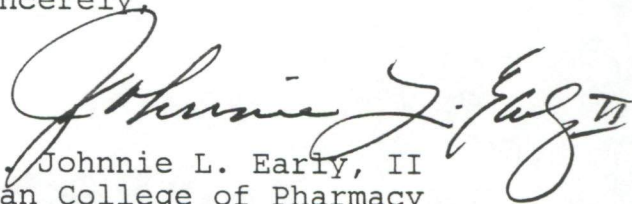
I am writing to express my dismay and disappointment over the cancellation of funding for the Space Station Freedom. The Space Station is a logical step to understand the space environment and how we can live and work in such an environment as we move outward to explore the universe.

Since 1985, Florida A&M University has been a proud participant in the NASA sponsored Space Life Sciences Training Program (SLSTP), an educational program for college students, aimed at creating the next generation of space scientists. Every year we have thousands of inquiries about the program and every year at least 300-500 qualified students apply for SLSTP. There is a tremendous interest and enthusiasm among America's college students for the space program. This interest spans many fields (biology, mathematics, chemistry, physics, psychology, architecture, and engineering) and many of these students became interested in these subjects because of the space program. The students have expressed the hopes that they will one day be able to work with the Space Station and other NASA projects.

Many of our students have gone on to graduate school or medical school to pursue this goal. Some of them are now working with NASA. Our students have participated in international programs, have won many scholarships and honors, published papers, and have contributed to important life science experiments that have flown and will fly aboard the space shuttle. We are also very proud of the participation of our minority students and their many accomplishments. These young men and women are one of this country's most important resources and cancelling the Space Station will not only impair their success, more importantly, it would have a negative impact on those students who follow. Effectively, cancellation of Space Station Freedom sends a power-

ful message to young Americans, "Don't bother with science, math and technology, America is not interested in those things and will not support them," and we will all have to live with the future consequences of that message. Please do the right thing and restore the Space Station Freedom.

Sincerely,

A handwritten signature in cursive script, reading "Johnnie L. Early, II". The signature is written in dark ink and is positioned above the typed name.

Dr. Johnnie L. Early, II
Dean College of Pharmacy
Florida A&M University

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF SCIENCE AND TECHNOLOGY POLICY
WASHINGTON, D.C. 20506

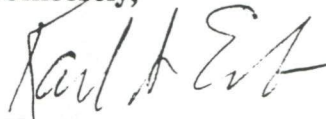
July 8, 1991

Dear Dr. Early:

I am writing in response to your letter to Dr. Bromley in which you express the support of the Florida A&M University for the Space Station.

We share your conviction that the Station is an essential component of NASA's and the country's space activity. Dr. Bromley and his colleagues in the Administration have been working with Members of the House of Representatives and the Senate to restore funding for the project. As you know, this effort met with success in the House, and we are hopeful that the Senate will agree to provide the needed funding.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Karl A. Erb', written over a horizontal line.

Karl A. Erb
Assistant Director
for Physical Sciences and Engineering

Dr. Johnnie L. Early, II
Dean, College of Pharmacy
Florida A&M University
Tallahassee, Florida 32307

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION DOCUMENT NUMBER: 9121694
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS

FROM: BUTLER, Bruce D.: THE UNIVERSITY OF TEXAS, HEALTH SCIENCE
CENTER AT HOUSTON
TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 06/04/91

SUBJECT: A COPY OF LETTER SENT TO ALL MEMBERS OF THE HOUSE
AND SENATE APPROPRIATIONS COMMITTEES URGING SUPPORT
OFR THE APPROPRIATIONS FOR THE NASA BUDGET THAT
INCLUDES THE SPACE STATION FREEDOM.

DIRECTORATE STAFF
ASSIGNED: ASSIGNED:

ACTION STAFF
REQUIRED: ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
PHYSICAL SCIENCES
LIFE SCIENCES

WHITE HOUSE TRACKING #: CONTACT PERSON:
PHONE: EXT:
REMARKS:

OSTP RECEIVED: 06/10/91
DEPT RECEIVED: FILE: 7-physical Science - Space
SPACE-SPACE STATION FREEDOM

PHOTOGRAPHED BY THE NATIONAL ARCHIVES

9121694

The University of Texas
Health Science Center at Houston

RECEIVED



MEDICAL SCHOOL
Department of Anesthesiology
Bruce D. Butler, Ph. D.

91 JUN 10 P 2

6431 Fannin, MSB 5.020
Houston, Texas 77030
(713) 792-5566

OFFICE OF THE
DIRECTOR

June 4, 1991

Honorable D. Allan Bromley
Assistant to the President and Director
Office of Science and Technology Policy
New Executive Office Building
Washington, DC 20506

Dear Mr. Bromley:

Enclosed is a copy of a letter that I sent to all members of both parties who are members of the House and Senate Appropriations Committees.

Sincerely,

A handwritten signature in dark ink, appearing to read "Bruce D. Butler", with a large, stylized flourish at the end.

Bruce D. Butler, Ph.D.
Associate Professor

BDB:vj
Enc.

The University of Texas
Health Science Center at Houston



MEDICAL SCHOOL
Department of Anesthesiology
Bruce D. Butler, Ph. D.

6431 Fannin, MSB 5.020
Houston, Texas 77030
(713) 792-5566

June 4, 1991

The Honorable Mark O. Hatfield
United States Senate

Dear Senator Hatfield:

I would like to urge your support for the appropriations for the NASA budget that includes the Space Station Freedom. Please do not let shortsighted decisions kill one of the truly great American endeavors.

Sincerely,

A handwritten signature in dark ink, appearing to read "Bruce D. Butler", is written over a horizontal line.

Bruce D. Butler, Ph.D.
Associate Professor

BDB:vj

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION DOCUMENT NUMBER: 9121707
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS

FROM: BIANCHI, C. Paul: JEFFERSON MEDICAL COLLEGE

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 06/03/91

SUBJECT: RE: THE LIFE SCIENCES PROGRAMS OF NASA AND THEIR
IMPORTANCE TO OUR UNDERSTANDING OF HOW MAN CAN
FUNCTION IN SPACE AND WHAT A REDUCTION IN
APPROPRIATIONS WOULD MEAN.

DIRECTORATE STAFF
ASSIGNED: ASSIGNED:

ACTION STAFF
REQUIRED: ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
LIFE SCIENCES
PHYSICAL SCIENCES

WHITE HOUSE TRACKING #: CONTACT PERSON:
REMARKS: PHONE: EXT:

OSTP RECEIVED: 06/10/91
DEPT RECEIVED: FILE: LIFE SCIENCE *p-Physical Science-Space **
~~SPACE-SPACE STATI~~

100-100000-100000



Thomas
Jefferson
University

Jefferson
Medical
College

Department of Pharmacology

9121707
1020 Locust Street
Philadelphia, PA 19107-6799
(215) 955-7766
Fax (215) 923-0758

RECEIVED

91 JUN 10 P 2:46

OFFICE OF THE
DIRECTOR

June 3, 1991

Dr. D. Allan Bromley
The White House
Washington, D.C. 20500

Dear Dr. Bromley:

The Life Sciences Programs of NASA are of major importance to our understanding of how man can function in space. Space is one of the frontiers that we must explore so that the challenges of the future can be met. A reduction in appropriations for fiscal year 1992 will seriously hamper research in this area. NASA has made many contributions to our economic development and should be encouraged to continue with its research programs.

Sincerely,

C. Paul Bianchi

C. Paul Bianchi, Ph.D.
Professor of Pharmacology

CPB:ec

cc: Vice President Quayle
Dr. D. Alan Bromley
Admiral Richard Truly
Lawrence R. Young

"CORRESPONDENCE TRACKING"

TYPE: ACTION DOCUMENT NUMBER: 9121627
ORIGINATOR: 02 STATUS I DIRECTORATE STATUS

FROM: HARWIT, Martin: NATIONAL AIR & SPACE MUSEUM

TO: Dr. D. Allan Bromley

DATE OF
CORRESPONDENCE: 05/31/91

SUBJECT: INVITATION TO CONTRIBUTE AN ESSAY FOR PUBLICATION IN
THE BOOK, "WHERE NEXT, COLUMBUS?" ON OUR FUTURE IN
SPACE.

DIRECTORATE STAFF
ASSIGNED: D. Allan Bromley ASSIGNED:

ACTION STAFF
REQUIRED: AS NECESSARY ACTION:

SENDER'S DUE DATE: 06/20/91
OSTP DUE DATE: 06/18/91 STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT: 8/2/91

COPIES TO:

WHITE HOUSE TRACKING #: CONTACT PERSON: DR. VALERIE NEAL
PHONE: EXT:
REMARKS:

*Invitation accepted by phone + by
attached letter.*

Src Dsm

CLOSED

OSTP RECEIVED: 06/04/91
DEPT RECEIVED:

FILE: ~~SPACE~~
Physical Sciences - Space

August 2, 1991

Dear Valerie:

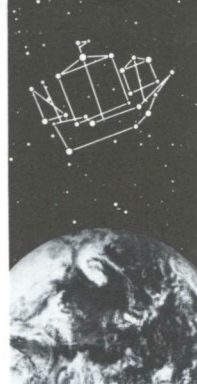
As we discussed over the phone, I will be providing you with a manuscript of approximately 3,500 words by September 6. Enclosed is the information that you'll need to contact either myself or Dr. Bromley.

Sincerely,

Steve Olson
Special Assistant for Communications

Dr. Valerie Neal
Department of Space History
National Air & Space Museum
Smithsonian Institution
Washington, D.C. 20560

9121627



RECEIVED

91 JUN 4 AIO: 45
A COLUMBUS QUINCENTENARY EXHIBITION
OPENING IN 1992

OFFICE OF THE
DIRECTOR

Where Next, Columbus?

May 31, 1991

Dr. David Allan Bromley
Office of Science and Technology Policy
Executive Office of the President
The White House
1600 Pennsylvania Avenue
Washington, DC 20500

Dear ~~Dr. Bromley~~ ^{Allan}:

In 1992, the National Air and Space Museum will ask the question **Where Next, Columbus?** when we open a major new exhibition that focuses on our prospects for exploration in space. The gallery is designed to engage our visitors in the challenges and choices we face as a spacefaring people in the new century. Rather than present a particular agenda for exploration, we encourage visitors to examine different options and points of view in the hope of stimulating a thoughtful, informed citizenry.

To reach audiences beyond the Museum, we intend to publish a related book, also titled **Where Next, Columbus?** We envision this to be a collection of brief, original, provocative essays--lively voices offering different perspectives--on our future in space. The anthology will be edited and introduced by the curator of our exhibition. Illustrations will be drawn from the exhibition. The book proposal is being considered for publication by the Smithsonian Institution Press and several university presses.

We are assembling a distinguished group of authors to join us in considering the most important questions about humanity's future in space. I invite you to contribute an essay for publication in our book. What do you think are the principal challenges and choices ahead? Are they technical, political, ethical? Do you think the human race will move into the solar system and toward the stars?

I have enclosed a proposal describing the content and format of this stimulating book in more detail. If you would be willing to submit a brief essay on one of the questions suggested in the proposal, please contact Dr. Valerie Neal, Department of Space History, National Air and Space Museum, Washington, DC 20560 or (202) 357-2828 by June 20. We will then discuss contractual arrangements for the project. I would be most pleased if you would join us in creating a new dialogue on the future.

Cordially, 

Dr. Martin Harwit, Director

enclosure

NATIONAL AIR AND SPACE MUSEUM



SMITHSONIAN INSTITUTION

WASHINGTON, D. C. 20560

Please indicate your interest in contributing an essay to the Smithsonian's anthology,

Where Next, Columbus?

A return envelope is provided. We would appreciate a response by June 20, 1991. Thank you.

Name:

Preferred mailing address for correspondence about this project:

Telephone:

Fax:

If you are willing to submit an essay, which of the proposed questions most appeals to you? Do you have in mind a possible topic or title?

Do you have any general comments on the scope of our proposed project?

If you are not able to submit an essay, will you comment why?

Where Next, Columbus? Book Proposal

Concept

In conjunction with the Quincentenary exhibition **Where Next, Columbus?** and the International Space Year, the National Air and Space Museum proposes to produce a book by the same title, edited by the exhibition curator, Dr. Valerie Neal of the Department of Space History.

The proposed publication is an illustrated anthology of original essays on the question, what is humanity's future in space? The selected authors have achieved acclaim in both professional and popular circles for their insightful and lively prose. They will include both familiar voices and some fresh perspectives in the dialog about space exploration. The book will be of interest to a broad readership with eclectic interests. Publication will coincide with a number of special events in 1992, including the meeting of the World Space Congress in Washington, DC and many Columbus Quincentenary and International Space Year activities focused on exploration. A Smithsonian symposium featuring the authors may be possible, as well.

As this century closes, we almost have the technology--but not the social consensus--for expanding human presence to other worlds. Discussions of our future in space tend to focus on engineering scenarios or competing public policy priorities. This book will present broader views from the sciences, history, and politics. Few books about space exploration adopt this multidisciplinary approach.

Specifications

The book will consist of a preface and three units, each presenting at least three essays expressing different points of view. Essays will be 3500-4000 words in length and will be accompanied by black & white or duotone illustrations. In addition, the book will feature a 16-page color tour of the exhibition. The book's estimated length is 120-150 pages.

The following chapter outline and list of prospective contributors are proposed for a book that addresses the most provocative themes in discussions of space exploration. The editor will be responsible for collecting and editing the essays, writing the preface and chapter introductions, and providing appropriate illustrations and captions. Most of the illustrative material will be drawn from the exhibition.

- I. Preface - overview essay
- II. Our Legacy as Explorers: Lessons from the Past
What have we learned from our experiences as explorers on Earth?
How can we understand the differences between cost and value of exploration?
- III. Challenges for Space Explorers: Present Issues
Where do robots end and people begin (or vice versa) in space?
What are the biggest challenges to human explorers of new worlds?
What is the key to exploration--technology, money, competition, consensus?
- IV. Our Destiny in Space: Questions for the Future
Are we programmed to explore, or are we explorers by choice?
Where are our priorities--in this world or in new worlds?
Is "a destiny in space" a peculiarly American concept?

Schedule

* 1991 *

May	Contact prospective contributors
	Submit proposal to Smithsonian Institution Press or selected university presses
July	Receive bids from publishers
August	Choose publisher & negotiate contract
	Receive/review draft manuscripts from authors
	Edit collection of essays, assemble illustrations and permissions
September	Submit manuscript and illustrations to publisher
October	Review edited manuscript (editor and all authors)
December	Begin design and typesetting

* 1992 *

April	Editor reviews book layout & galleys
June	Submit book to printer
August	Book printed and delivered
	Press release
	Exhibition opens

Prospective Contributors (authors invited to participate)

Daniel Boorstin: historian, former Librarian of Congress, author of "The Discoverers"

Allan Bromley: physicist, educator, science advisor to President Bush

Joseph Campbell: historian, author of "The Power of Myth"

Walter Cronkite: radio and television journalist, former anchor of the CBS Evening News

Alfred N. Crosby: historian, author of "Ecological Imperialism" and "The Columbian Exchange"

Richard Dawkins: zoologist, author of "The Selfish Gene"

Timothy Ferris: journalist, educator, author of "Galaxies" and "Coming of Age in the Milky Way"

Robert Forward: physicist, futurist, science fiction writer

Stephen Jay Gould: paleontologist, educator, author of popular books and essays

Fred Hoyle: astronomer and science fiction author

Patricia Nelson Limerick: historian of the West and the frontier

Walter McDougall: historian, author of Pulitzer Prize winning "The Heavens and the Earth"

Lynn Margulis: biologist, educator, proponent of the Gaia hypothesis

Walter Massey: director of the National Science Foundation

Jessica Tuchman Matthews: vice president of the World Resources Institute

Philip and Phyllis Morrison: educators, authors, hosts of television series "The Ring of Truth"

Larry Niven: science fiction author, recipient of Hugo and Nebula awards

Gerard K. O'Neill: physicist, futurist, author of "The High Frontier"

Jerry Pournelle: lecturer and science fiction author

Stephen J. Pyne: historian, analyst of exploration, author of "The Ice"

Sally K. Ride: former astronaut, director of the California Space Institute, author of NASA's report "Leadership and America's Future in Space"

Carl Sagan and Ann Druyan: noted planetary scientist, co-writers, and host of the acclaimed television series "Cosmos"

Roald Sagdeev, Soviet space scientist, director of East-West Center for Science and Technology at the University of Maryland

Harrison Schmitt: geologist, Apollo 17 astronaut, and former US Senator

Ed Stone: director of NASA's Jet Propulsion Laboratory and Voyager project scientist

Jerome Wiesner: educator, science advisor to President Kennedy

NATIONAL AIR AND SPACE MUSEUM
SMITHSONIAN INSTITUTION • WASHINGTON, D.C. 20560

Official Business

Penalty for Private Use \$300



Postage and Fees Paid
Smithsonian Institution

651

Dr. Valerie Neal
Department of Space History
National Air & Space Museum
Smithsonian Institution
Washington, DC 20560

"CORRESPONDENCE TRACKING"

TYPE: ACTION

DOCUMENT NUMBER: 9121585

FROM: HESSBERG, R.R.: AEROSPACE MEDICAL ASSOCIATION

TO: Dr. D. Allan Bromley

DATE OF
CORRESPONDENCE: 05/29/91

SUBJECT: REQUEST FOR THE RESTORATION OF FUNDS NECESSARY TO
CONTINUE THE SPACE STATION FREEDOM PROGRAM AND ITS
PREMIER RESEARCH COMMUNITY.

DIRECTORATE
ASSIGNED: PHYSICAL SCIENCES

STAFF
ASSIGNED:

ACTION
REQUIRED: AS NECESSARY

STAFF
ACTION:

SENDER'S DUE DATE: OSTP DUE DATE: 06/17/91

DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
LIFE SCIENCES
Sarah Keegan

WHITE HOUSE TRACKING #:

CONTACT PERSON:

REMARKS:

CLOSED

DATE RECEIVED: 06/03/91

FILE: SPACE*LIFE SCIENCES

Physical Sciences -

Aerospace Medical Association



9/21585
RECEIVED

JUNE
91 MAY 3 A 9:24

OFFICE OF THE
DIRECTOR

First Vice President

B/G GEORGE K. ANDERSON, USAF, MC

HSD/CC

Brooks AFB, TX 78235-5000

President

MICHAEL A. BERRY, M.D.

10777 Westheimer

Suite 935

Houston, TX 77042

President-Elect

J. ROBERT DILLE, M.D.

335 Merkle Drive

Norman, OK 73069

320 South Henry Street
Alexandria, VA 22314-3524

703-739-2240

May 29, 1991

Executive Vice President

Secretary-Treasurer

RUFUS R. HESSBERG, M.D.

Association Headquarters

Dr. D. Alan Bromley
Office of Science and Technology
Policy
The White House
1600 Pennsylvania Avenue, N.W.
Washington, D.C. 20500

Dear Dr. Bromley:

On behalf of the Aerospace Medical Association, representing over 4,000 individual members, I wish to express our deep concern over the action of the Traxler Subcommittee's deletion of funds for the Space Station Freedom (SSF) program. We believe that the SSF is an essential step for maintaining a United States role in the future presence of man in space. We respectfully request the restoration of funds necessary to continue the SSF program.

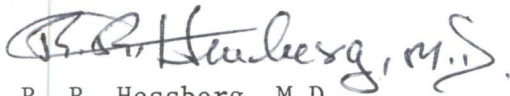
We are at a loss to understand the action taken and the House Appropriations Subcommittee's rationale for not funding the Life Sciences payloads even if the SSF were approved. This would seem to us to indicate that the Subcommittee is not supportive of biomedical research in space which has proven to have benefits back on earth for human health and well being. The medical benefits of space biomedical research to the knowledge and practice of medical care in the United States, especially research in the mechanisms underlying bone loss, muscle strength, cell metabolism, cancer induction, vestibular disorders, regulation of heart function, notably blood pressure, and tissue healing responses, are of great economic consequence. These facts have been pointed out repeatedly by many medical experts as well as advisory and review committees in their reports and testimonies to the United States Congress and the Administration.

By terminating the Space Station freedom program, the competitive technological advantage that has accrued to the United States from past space flight activities will be seriously compromised. The enthusiasm for manned space flight that has inspired at least three generations of our young people to pursue serious scientific careers will be lost. Our ability to develop close collaborative relationships with enthusiastic foreign partners, so essential in these times of constrained budgets, will be severely damaged.

Dr. D. Alan Bromley
May 29, 1991
Page - 2

We have seen direct results in medical knowledge come from space life sciences research and have been anticipating the life sciences research on Space Station Freedom to better understand the fundamental physiology of the body so that we may better care for our patients while establishing the base for American competitiveness and national leadership in space exploration. We urge you to restore the funding for the Space Station Freedom program and its premier research community.

Sincerely,

A handwritten signature in dark ink, appearing to read "R. R. Hessberg, M.D.", with a stylized flourish at the end.

R. R. Hessberg, M.D.
Executive Vice President

RRH:jc

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF SCIENCE AND TECHNOLOGY POLICY
WASHINGTON, D.C. 20506

July 8, 1991

Dear Dr. Hessberg:

I am writing in response to your letter to Dr. Bromley in which you express the support of the Aerospace Medical Association for the Space Station.

We share your conviction that the Station is an essential component of NASA's and the country's space activity. Dr. Bromley and his colleagues in the Administration have been working with Members of the House of Representatives and the Senate to restore funding for the project. As you know, this effort met with success in the House, and we are hopeful that the Senate will agree to provide the needed funding.

Sincerely,



Karl A. Erb
Assistant Director
for Physical Sciences and Engineering

R. R. Hessberg, M.D.
Executive Vice President
Aerospace Medical Association
320 South Henry Street
Alexandria, Virginia 22314-3524

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

DOCUMENT NUMBER: 9121530

FROM: CHAMBERS, Charles M.: AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES

TO: DR. BROMLEY

DATE OF
CORRESPONDENCE: 05/24/91

SUBJECT: CONCERN ABOUT THE PROPOSED CUTBACKS IN FUNDING FOR
THE SPACE STATION FREEDOM.

ASSIGNED TO:

ACTION REQUIRED:

SENDER'S DUE DATE:

OSTP DUE DATE:

DATE COMPLETED:

COPIES TO: D. Allan Bromley
LIFE SCIENCES
Sarah Keegan
PHYSICAL SCIENCES

WHITE HOUSE TRACKING #:

CONTACT PERSON:

REMARKS:

DATE RECEIVED: 05/28/91

p-Physical Science - Space *
FILE: LIFE SCIENCES *SPACE

SECRET

9121530



AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES

Charles M. Chambers
Executive Director

May 24, 1991

91 MAY 28 P12:36

RECEIVED

OFFICE OF THE
DIRECTOR

Dr. D. Allan Bromley
Assistant to the President for
Science and Technology
Old Executive Office Building, Suite 360
17th Street and Pennsylvania Avenue NW
Washington, DC 20506

Dear Dr. Bromley:

The American Institute of Biological Sciences (AIBS), a federation of 45 professional societies and research laboratories representing over 80,000 professional biologists, is concerned about proposed cutbacks in funding for the Space Station Freedom.

AIBS strongly supports the space station. We believe that the potential advances in basic science research justify financial support for the station. All living organisms are composed of complex biological systems which have evolved in the presence of gravity. The space station will allow these systems to be studied under the effects of microgravity, a vital step for long-term human exploration of space.

Enclosed is a copy of our statement regarding the Space Station Freedom to the Senate Commerce Subcommittee on Science, Technology and Space submitted earlier this year. It was offered as a constructive assesment of a project we hope will have maximum utility and effectiveness. If our comments are useful to your deliberation, we would be pleased to elaborate on them.

Sincerely,

Charles M. Chambers

Enclosure

WRITTEN STATEMENT OF
THE AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES
FOR
THE SENATE COMMERCE, SCIENCE, AND TRANSPORTATION
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE
REGARDING THE REDESIGN OF THE SPACE STATION FREEDOM

APRIL 16, 1991

The American Institute of Biological Sciences (AIBS) appreciates the opportunity to comment on the redesigned Space Station Freedom (SSF) as it relates to meeting the basic research requirements of the life sciences. AIBS, a federation of 45 scientific societies and research laboratories representing over 80,000 professional biologists, is dedicated to "the advancement of the biological sciences and their application to human welfare."

AIBS agrees with the assessment of the Augustine Committee that the most significant feature of the space station involves research to determine how human physiology functions in space, a significant factor for future exploration of the solar system. Uncertainties regarding the feasibility of long duration human spaceflight, such as the effect of solar flares or the impact of galactic cosmic radiation, must be determined before more complex exploration of our solar system may proceed. Basic biological systems of plants and animals are altered in microgravity producing a vast array of responses. All living organisms are composed of complex systems, each of which has evolved in the presence of gravity. Under the effects of microgravity, many of these systems function in an altered manner. Studying human physiology and other basic biological processes in microgravity and obtaining the needed life sciences information for long duration human spaceflight missions is the primary goal of the space station. As the Augustine report concluded, "[T]he Space Station is a critical next step if the U.S. is to have a manned space program in the future."

NASA's decision to include a variable-speed centrifuge in its redesigned space station plan is critical for life sciences research. The centrifuge will allow controlled studies on whether factors other than weightlessness, such as radiation or the mix of gases in the spacecraft cabin, contribute to negative side-effects experienced in space by astronauts. The centrifuge will also allow exposure to fractional g-forces for varying

periods of time thereby facilitating the study of both short-term and long-term effects of microgravity on biological systems.

AIBS also shares some of the concerns expressed by the Space Science Board regarding the centrifuge. Since the centrifuge will not be available for use on the station until after the year 2000, life science research will be delayed until that time. In the interim, we would like to see the Spacelab Life Sciences (SLS) Space Shuttle missions continue their research. AIBS is concerned that the present schedule for the SLS flights allows for a five-year gap between the last SLS flight and the fully operational space station. Not only will needed research be forgone, but the lull may discourage young scientists from the space biology program. Dedicated spacelab missions provide a critical capability for conducting research needing only short periods of time, leaving those experiments requiring long periods of time to the station.

Although AIBS agrees with the Space Science Board that the design of the centrifuge is vague, we do support the redesign so long as the centrifuge is capable of supporting a wide variety of species and may run continuously for several months. We are also concerned with the sharing of limited power among various laboratory modules. We trust that there will be sufficient power to conduct the long-term biological experiments which are the top priority for the station.

AIBS is also concerned with the potential to allocate funds from other science research projects, especially in light of funding limitations imposed on discretionary spending by the Budget Enforcement Act of 1990. We are concerned that the centrifuge and other necessary equipment are not contained within the present funding plan. We trust that NASA's budget will be allocated to meet its life science needs while retaining other science research projects.

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

DOCUMENT NUMBER: 9121523

FROM: SAMUELS, William M.: THE AMERICAN PHYSIOLOGICAL SOCIETY

TO: DR. BROMLEY

DATE OF
CORRESPONDENCE: 05/23/91

SUBJECT: A LETTER WHICH WAS MAILED TO EVERY MEMBER OF THE
HOUSE APPROPRIATIONS COMMITTEE REGARDING THE
DELETIONS OF FUNDS FOR SPACE STATION FREEDOM AND THE
REDUCTION OF RESEARCH FUNDS FOR THE LIFE SCIENCES.

ASSIGNED TO:

ACTION REQUIRED:

SENDER'S DUE DATE:

OSTP DUE DATE:

DATE COMPLETED:

COPIES TO: D. Allan Bromley
LIFE SCIENCES
Sarah Keegan
Carl Bretscher

WHITE HOUSE TRACKING #:

CONTACT PERSON:

REMARKS:

p-physical Science-Space *

DATE RECEIVED: 05/28/91

FILE: LIFE SCIENCES **SPACE**

2011



The American Physiological Society

9121523
RECEIVED 9650 ROCKVILLE PIKE • BETHESDA, MARYLAND 20814-3991
301-530-7164 • FAX 301-571-1814

91 MAY 28 P12:35

Please Reply To:

OFFICE OF THE
DIRECTOR

May 23, 1991

D. Alan Bromley
Office of Science & Technology Policy
The White House
1600 Pennsylvania Avenue NW
Washington, DC 20500

Dear Dr. Bromley:

The American Physiological Society is concerned by the action of the House Appropriations Subcommittee on VA, HUD, and Independent Agencies in deleting funds for Space Station Freedom and reducing research funds for the Life Sciences Division of the National Aeronautics and Space Administration.

The attached letter, which I am sending to you for your information, was mailed to every member of the House Appropriations Committee.

Sincerely,

William M. Samuels
William M. Samuels
Public Affairs

Atatch:

President
Norman C. Staub
University of California, San Francisco

Past President
Shu Chien
University of California, San Diego

President-Elect
Stanley G. Schultz
University of Texas, Houston

Executive Director
Martin Frank

Councillors
Helen J. Cooke
Ohio State University, Columbus

Brian R. Duling
University of Virginia, Charlottesville

L. Gabriel Navar
Tulane University, New Orleans

Allen W. Cowley, Jr.
Medical College of Wisconsin, Milwaukee

John E. Hall
University of Mississippi, Jackson

David J. Ramsay
University of California, San Francisco



The American Physiological Society

9650 ROCKVILLE PIKE • BETHESDA, MARYLAND 20814-3991
301-530-7164 • FAX 301-571-1814

May 22, 1991

Please Reply To:

Rep. Jamie Whitten, Chairman
House Appropriations Committee
US House of Representatives
Washington, DC 20515

Dear Mr. Whitten:

The American Physiological Society urges the House Appropriations Committee to restore the \$2 billion budgeted for Fiscal Year 1992 for the funding of the National Aeronautics and Space Administration's Space Station Freedom and to fully fund the \$184 million budgeted for the Life Sciences Division.

The nation's stated goals of colonizing the moon and sending manned space flights to Mars within the next 25 years is dependent upon a space life sciences research program designed to ensure the health of crew members in extended periods of zero gravity, to protect them from long term radiation exposure, to develop reliable life support and medical care systems, and to predict human behavior in isolation. A prime focus is the change in human physiology in space, such as loss of body fluids, motion sickness, bone demineralization, muscle atrophy, and cardiovascular deconditioning.

The Society is dismayed by the action of the House Appropriations Subcommittee on VA, HUD, and Independent Agencies in deleting the funds for the Space Station Freedom program and distressed that funding was not provided for continuing the life sciences research needed to assure both the environmental and physical health of crew members in long term flights. The delay in this research not only sets back the nation's goals in space, but it also blunts technological and biological advances that benefit mankind.

Knowledge gained from earlier space biomedical research already has had an impact on medical care and practice, especially in the areas of the mechanisms underlying bone loss, muscle strength, cell metabolism, cancer induction, vestibular disorders, regulation of heart function and blood pressure, and tissue healing responses.

President
Norman C. Staub
University of California, San Francisco

Past President
Shu Chien
University of California, San Diego

President-Elect
Stanley G. Schultz
University of Texas, Houston

Executive Director
Martin Frank

Helen J. Cooke
Ohio State University, Columbus

Councillors
Brian R. Duling
University of Virginia, Charlottesville

L. Gabriel Navar
Tulane University, New Orleans

Allen W. Cowley, Jr.
Medical College of Wisconsin, Milwaukee

John E. Hall
University of Mississippi, Jackson

David J. Ramsay
University of California, San Francisco

Rep. Jamie Whitten

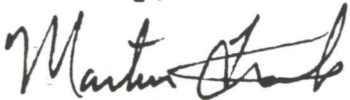
May 22, 1991

Page 2

Space Station Freedom and its space biomedical laboratory provide unique capabilities for the exploration of a spectrum of gravity dependent variables that would have direct biomedical and biotechnological applications for the medical treatment of a variety of diseases and disorders.

The American Physiological Society, the nation's oldest biomedical science society with a membership of 7,000, urges the Committee restore the \$2 billion budgeted for Space Station Freedom and to fully fund the \$184 million budgeted for the Life Sciences Division.

Sincerely,

A handwritten signature in dark ink, appearing to read "Martin Frank", with a stylized flourish at the end.

Martin Frank, Ph.D.
Executive Director

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

DOCUMENT NUMBER: 9121722

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: STAFFORD, Thomas P.: SYNTHESIS GROUP

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 05/07/91

SUBJECT: A COPY OF THE SYNTHESIS GROUP'S REPORT, " AMERICA AT
THE THRESHOLD."

DIRECTORATE STAFF
ASSIGNED: ASSIGNED:

ACTION STAFF
REQUIRED: ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
PHYSICAL SCIENCES

WHITE HOUSE TRACKING #: CONTACT PERSON:
PHONE: EXT:
REMARKS: Enclosure to DAB.

OSTP RECEIVED: 06/12/91
DEPT RECEIVED:

FILE: SPACE
p-physical Sciences -

Synthesis Group

9121722

May 7, 1991

Honorable D. Allan Bromley
Assistant to the President for Science and Technology
New Executive Office Building
Washington, DC 20506

Dear Mr. Bromley:

The Synthesis Group, which I have been honored to chair, was challenged to develop a road map for the President's Space Exploration Initiative, a new vision for America in the 21st century - a vision that will return us to the Moon to stay and onward to Mars. Our report, "America at the Threshold," responds to that challenge.

Copies of the report and the brochure are attached. Additional copies are available from the Government Printing Office.

With the submittal of this report to the Congress and its public release we anticipate a broad dialogue and thorough review of the recommended alternatives.

Sincerely,



Thomas P. Stafford, Lt. Gen. USAF (Ret.)
Chairman, Synthesis Group

OFFICE OF THE
DIRECTOR

91 JUN 12 P12:41

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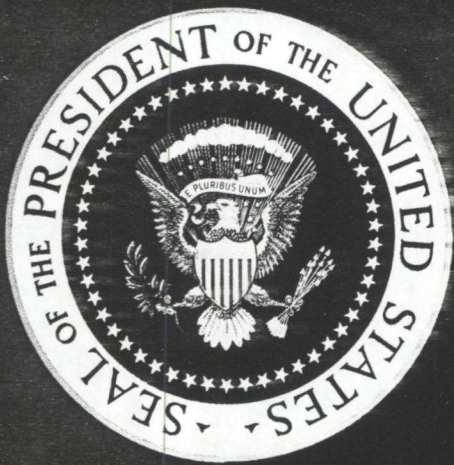
1225 Jefferson Davis Highway, Suite 1501
Arlington, VA 22202
Phone: 557-5544 - FAX: (703) 557-5502



AMERICA AT THE THRESHOLD



AMERICA'S
SPACE EXPLORATION INITIATIVE



AMERICA AT THE THRESHOLD



AMERICA'S
SPACE EXPLORATION INITIATIVE

"CORRESPONDENCE TRACKING"

TYPE: INVITATION

DOCUMENT NUMBER: 9121309

FROM: STONE, Edward C.: JET PROPULSION LABORATORY

TO: DR. BROMLEY

DATE OF
CORRESPONDENCE: 04/26/91

SUBJECT: REQUEST TO DISCUSS YOUR VIEWS ON POLICY ISSUES
PERTAINING TO THE FUTURE SPACE PROGRAM TO THE
CALTECH TRUSTEE'S COMMITTEE ON JPL. C

ASSIGNED TO: D. Allan Bromley

ACTION REQUIRED:

SENDER'S DUE DATE: OSTP DUE DATE: 05/16/91

DATE COMPLETED:

COPIES TO: PHYSICAL SCIENCES
INTERNATIONAL/POLICY

WHITE HOUSE TRACKING #:

CONTACT PERSON:

REMARKS:

*5/9/91 - Regutted to Judy!
m n*

DATE RECEIVED: 05/02/91

FILE: P- PHYSICAL SCIENCES-SPACE

9121309

JET PROPULSION LABORATORY
PASADENA, CALIFORNIA

OFFICE OF THE DIRECTOR

April 26, 1991

OFFICE OF THE
DIRECTOR

91 MAY 2 P 5: 07

RECEIVED

The Honorable D. Allan Bromley
Assistant to the President for
Science and Technology
Old Executive Office Building
17th Street, NW
Washington, DC 20506

Dear Allan:

The Caltech Trustees' Committee on JPL meets annually on the East Coast to review JPL activities and discuss matters of interest to Caltech with officials of the government.

This year the meeting has been set for Friday, June 21, 1991 in Washington, DC. Topics that we expect to cover include policies shaping the direction of the U.S. Space Program, issues dealing with federally funded laboratories, priorities being established in NASA's long-range strategic planning process, and the direction the Board of Trustees should encourage for Caltech and JPL.

These issues are of continuing interest to the Trustees, and I believe this year will be no exception as the nation is about to embark on major, international space projects that will affect NASA for years to come.

The Committee Chairman, Dr. Gordon E. Moore, and I would be particularly pleased if you could join us at the Hay-Adams Hotel, and provide the Committee with your views on policy issues pertaining to the future space program. You would be welcome to join us for lunch if your schedule allows this.

Dr. D. Allan Bromley -2-

April 26, 1991

We have enclosed a list of the Committee members for your information. I have also asked Vice President Dan Quayle to join us and participate in the program.

We will be in touch with your office to confirm these arrangements. Gordon and I look forward to seeing you in June.

Sincerely,

A handwritten signature in dark ink, appearing to be 'E.C. Stone', written in a cursive style.

Edward C. Stone

Enclosure

CALTECH TRUSTEES' COMMITTEE ON JPL

Mr. Robert Anderson
Mr. R. Stanton Avery
Dr. Harold Brown
Mr. Walter Burke
Dr. Lee A. DuBridge
Dr. Thomas E. Everhart
Mr. Charles C. Gates
Mr. James W. Glanville
The Hon. Shirley M. Hufstedler
ADM Bobby R. Inman
Mr. Eli S. Jacobs
Dr. Ralph Landau
Dr. Yuan T. Lee
Dr. Ruben F. Mettler
Dr. Gordon E. Moore
Mrs. Pamela Pesenti
Mr. Stanley R. Rawn
Mrs. Mary L. Scranton
Mr. Roger B. Smith
Dr. Albert D. Wheelon

ADVISORY MEMBERS

Mr. Thomas W. Anderson
Dr. Paul Jennings
Mr. David Morrisroe
Dr. Edward C. Stone
Mr. Harry M. Yohalem
Mrs. Mary Webster, Secretary

"CORRESPONDENCE TRACKING"

TYPE: ACTION

DOCUMENT NUMBER: 9121307

FROM: FRIEDMAN, Herbert: WORLD SPACE CONGRESS JOINT PROGRAM COMMITTEE

TO: DR. BROMLEY

DATE OF
CORRESPONDENCE: 04/25/91

SUBJECT: REQUEST TO URGE THE PRESIDENT TO PLACE THE
INVITATION TO ADDRESS THE FORMAL OPENING PLENARY,
HIGH ON HIS AGENDA OF PUBLIC APPEARANCES.

ASSIGNED TO: D. Allan Bromley

ACTION REQUIRED: AS/IF APPROPRIATE

SENDER'S DUE DATE:

OSTP DUE DATE:

05/16/91

DATE COMPLETED:

COPIES TO: PHYSICAL SCIENCES

WHITE HOUSE TRACKING #:

CONTACT PERSON:

REMARKS:

DATE RECEIVED: 05/02/91

FILE: P-PHYSICAL SCIENCES-SPACE



UNDER THE AUSPICES
OF THE AIAA, NASA
AND THE
US NATIONAL ACADEMY
OF SCIENCES

9121307
29TH PLenary MEETING OF THE COMMITTEE ON SPACE RESEARCH • COSPAR
WORLD SPACE CONGRESS 1992 • WASHINGTON DC USA • 28 AUGUST-9 SEPTEMBER 1992
43RD CONGRESS OF THE INTERNATIONAL ASTRONAUTICAL FEDERATION • IAF

RECEIVED

91 MAY 2 P 5: 06

OFFICE OF THE
DIRECTOR

April 25, 1991

Dr. D. Allan Bromley
Office of Science and Technology Policy
The White House
Washington, D.C. 20500

Dear Allan:

To celebrate the 500th anniversary of the landing of Columbus in the New World in the context of the Space Age, 1992 has been designated the International Space Year. COSPAR, The Committee on Space Research of the International Council of Scientific Unions and IAF, the International Astronautical Federation, will organize a World Space Congress, to be held in Washington, D.C., August 28 to September 5, 1992. The host organization is the American Institute of Aeronautics and Astronautics (AIAA). Gerald A. Johnston, President of McDonnell Douglas Corporation, is General Chairman of the meeting. I represent COSPAR and James J. Harford represents IAF on the International Program Committee.

The WSC will be an unprecedented gathering of more than 3,000 scientists and engineers from all countries having active participation in space programs. It will mark the first joint meeting of COSPAR and IAF, the two leading international organizations in the fields of space science and applications.

Because of President Bush's steadfast support of the exploration of space, the organizers of the meeting would be highly honored to have him address the formal opening plenary on Monday morning, August 31, 1992 at the Washington Convention Center. The WSC will offer a fine opportunity for the President to reaffirm his policy during the International Space Year before a gathering of many of the world's most distinguished space scientists and engineers, as well as members of Congress, officials of scientific and technical agencies and foreign diplomats.

ORGANIZED BY THE

American Institute of Aeronautics and Astronautics • AIAA

370 L'Enfant Promenade, SW • Washington, DC 20024-2518 USA • Tel: 202/646-7450 • Fax: 202/646-7508

I realize that a firm commitment is not possible at this early time, but earnestly ask you to urge the President to place it high on his agenda of public appearances. He could provide an inspiring message to set our future directions in space.

With best regards,

Sincerely,



Herbert Friedman
Co-Chairman
World Space Congress
Joint Program Committee

Naval Research Laboratory
Code 4190
Washington, D.C. 20375
(202) 767-3363

HF:dd
Enclosure

THE WHITE HOUSE

WASHINGTON

May 6, 1991

Dear Herb:

Thank you for your letter of April 25 bringing me up to date on International Space Year and the planned World Space Congress.

I believe that the President will very much want to address the Congress. However, because the dates are so far in the future, it would not be effective to send a request to the scheduling office this early. I suggest that we wait until the spring of 1992 and formally ask the President to address the opening plenary session.

I will hold this letter until the spring and would ask that you write again at that time to remind me to seek a commitment for August 31, 1992.

My best wishes,

Sincerely



D. Allan Bromley
The Assistant to the President
for
Science and Technology

Dr. Herbert Friedman
Co-Chairman
World Space Congress
Naval Research Laboratory
Code 4190
Washington, D.C. 20375

Aug. 31

THE WHITE HOUSE

WASHINGTON

May 6, 1991

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My best wishes,

Sincerely



D. Allan Bromley
The Assistant to the President
for
Science and Technology

Dr. Herbert Friedman
Co-Chairman
World Space Congress
Naval Research Laboratory
Code 4190
Washington, D.C. 20375

THE WHITE HOUSE
WASHINGTON

February 7, 1992

Dear Herb:

I apologize for any misunderstanding that may have occurred regarding my participation in the Inaugural Ceremony of the World Space Congress scheduled for August 28 to September 5, 1992.

Unfortunately I will be out of the country on August 31 and will, of course, be unable to introduce Dr. Boorstin as you had requested.

With regard to your request that the President attend the Inaugural Ceremony, his scheduling office asks that your request be made about three months prior to the event.

I appreciate your thinking of me and hope that your request to the President is successful.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'D. Allan Bromley', with a long horizontal flourish extending to the right.

D. Allan Bromley
The Assistant to the President
for
Science and Technology

Dr. Herbert Friedman
Co-Chairman, Joint International
Program Committee
American Institute of Aeronautics and Astronautics
370 L'Enfant Promenade, Southwest
Washington, D.C. 20024