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"Rummaging in the government's attic"

Description of document: **Requests to the National Aeronautics and Space Administration (NASA) from Museums and other organizations requesting the donation or gift of a space shuttle orbiter after it has completed its service life, 2000 - 2008**

Requested date: 26-December-2007

Released date: 16-July-2010

Posted date: 26-July-2010

Date/date range of document: October 2000 - 27-May-2008

Source of document: NASA Headquarters
300 E Street, SW
Room 9R35
Washington, DC 20546
Fax: (202) 358-4331
Email: foia@hq.nasa.gov

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National Aeronautics and Space Administration
Headquarters
Washington, DC 20546-0001



Reply to Attn of:

FOIA: 08-HQ-F-0099

July 16, 2010

This is a response to your request received on December 26, 2007, at the NASA Headquarters FOIA Requester Service Center, pursuant to the Freedom of Information Act (FOIA). You requested a *copy of any requests from Museums, etc. requesting the donation or gift of a space shuttle orbiter after it has completed its service life.*

A thorough search was conducted and the enclosed documents were found responsive to your request.

The enclosed documents are being provided in redacted format. Personal information pertaining to individuals is exempt from release under the provisions of FOIA Exemption 6, which protects against the unwarranted invasion of personal privacy. 5 U.S.C. §552 (b)(6).

You may appeal this initial determination to the NASA Administrator. Your appeal must: (1) be addressed to the Administrator, NASA, Washington, DC 20546; (2) be identified clearly on the envelope and in the letter as an "Appeal under the Freedom of Information Act; (3) include a copy of the request for the agency record, and a copy of the adverse initial determination; (4) state, to the extent possible, the reasons why you believe the initial determination should be reversed; and (5) be sent to the Administrator within 30 calendar days of the date of the receipt of this initial determination.

We apologize for the delay in processing your request








Sincerely,

A handwritten signature in blue ink, appearing to read "Denise Young".

Denise Young
Headquarters FOIA Officer

Enclosures

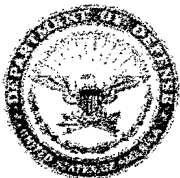
Office of Infrastructure and Administration Actions

1-1-07	Gov. Gromley (OR)	Letter to NASA requesting Shuttle orbiter for <u>Evergreen Aviation Museum</u> (response of 1-25-07)
7-7-06	Sen. Grassely (R-IA)	Letter to NASA w/ constituent proposal for establishment of a "National Space Shuttle Museum" (response of 8-11-06)
6-1-06	Rep. Hobson (R-OH)	Letter to NASA requesting Shuttle orbiter for the <u>National Museum of the Air Force</u> in Dayton (response of 7-25-06)
5-23-06	Sen. Lugar (R-IN)	Letter to NASA requesting Shuttle orbiter for <u>Hoosier Historical Heritage Museum</u> (response of 10-16-06)
4-19-06	Sen. Kyle (R-AZ)	Letter to NASA requesting Shuttle orbiter for <u>Pima Air & Space Museum</u> (response of 7-6-06) OIA
5-13-08	 b6 Curator	E-mail to NASA asking for information on process for requesting a Space Shuttle for the <u>Strategic Air & Space Museum</u> in Ashland, NE (verbal response of 5-27-08)
4-13-08	 (b6) Director	Letter to NASA expressing interest in acquiring Apollo Program artifacts and potentially a Space Shuttle for the <u>City Museum Auberlehaus</u> in Trossingen, Germany (response of 5-19-08)
4-11-08	Maj. Gen. Metcalf USAF (Ret.), Director	Letter to NASA submitting proposal to provide transportation support and artifact management services in exchange for an Orbiter and associated artifacts and hardware for the <u>National Museum of the US Air Force</u> in Dayton, OH (response of 5-6-08)
1-28-08	 (b6) Exec. Director	Letter to NASA expressing interest in acquiring Endeavor, Atlantis, Discovery, or Enterprise and other Space Shuttle Program artifacts for the <u>California Space Authority</u> (response of 2-14-08)
12-21-07	 (b6) President & CEO	Letter to NASA requesting Shuttle orbiter for <u>San Diego Air & Space Museum</u> (response of 1-4-08)
11-20-2006	 b6 Chairman of the Board	Letter to NASA requesting Shuttle orbiter for the <u>Evergreen Aviation Museum</u> (response of 1-3-07)
2-9-06	 b6 Undersecretary of The Air Force	Letter to NASA Administrator requesting Shuttle orbiter on behalf of the <u>National Museum of the United States Air Force</u>
10-2000	 b6 Space Curator and NASM/NASA Liaison	Future Acquisitions List submitted for Historic Space Artifacts by the <u>National Air and Space Museum</u> That includes request for Shuttle orbiter

OLIA
June 6, 2008
8:10am

Compilation of Congressional Interest in Shuttle Assets

<u>Date</u>	<u>Member</u>	<u>Request</u>
5-8-08	Rep. Lewis (R-CA)	During Center Days on the Hill mtg, brief mention of CA museum (unidentified) w/ interest in Shuttle artifacts
3-7-07	Rep. McKeon (R-CA)	Staff e-mail inquiry regarding process for orbiter disposition; unidentified museum interest
3-4-08	HSTC/S&A	Per HSTC/S&A/Obermann, Calif Space Authority and City of Palmdale expressed concern that Shuttle artifacts are being "destroyed;" interest in NASA excess process
2-29-08	Sen. Murray (D-WA)	Request from staff for orbiter on behalf of <u>Seattle Museum of Flight</u>
1-25-08	Gov. Gregoire (WA)	Request to A/Dale during future forum for orbiter on behalf of <u>Seattle Museum of Flight</u>
5-27-07	Rep. Bonner (R-AL)	During Center Days on the Hill mtg asked about Process for excessing orbiters
3-20-07	Cong. Calvert (R-CA)	Per staff, CSA met w/ Calvert and proposed creating a "Commission" to guide NASA orbiter disposal process
3-14-07	Sen. Wyden (D-OR)	Staff (Isaiah Akin) e-mail inquiry on NASA "formal" process for disposing of orbiters; interest from unidentified museum in OR



UNDER SECRETARY OF THE AIR FORCE
WASHINGTON

FEB 9 2006

Mr. Michael Griffin, Administrator
Headquarters, National Aeronautical and Space Administration
NASA Headquarters
Washington DC 20546-0001

Dear Mr Griffin: ~~1011-11-11~~

The National Museum of the United States Air Force (NMUSAF) is embarking upon a major program initiative to expand its 1.2 million square feet of exhibit space by adding a new Space Gallery. The gallery will add an additional 51,000 sq feet to the Museum and will be totally devoted to the portrayal of the Air Force's significant role in space. Recognizing that the space shuttles are nearing retirement, both the Director and the Senior Curator met with representatives from National Aeronautics and Space Administration (NASA) and the National Air and Space Museum (NASM) recently to convey the Air Force's interest in obtaining a shuttle orbiter and robotic arm for display at the National Museum. This letter is a formal request for these artifacts.

The NMUSAF is one of the few institutions able to display and preserve a shuttle orbiter indoors in a climate-controlled and secure environment. This fact, along with the museum's middle-America location and 1.3 million visitors annually, make this location an outstanding venue. The USAF role in shuttle development and missions demonstrates the close connection between NASA and the Air Force, and makes the orbiter an ideal fit for the NMUSAF's interpretive program. The Air Force was deeply involved in determining the orbiters' design and capabilities, and many Air Force members have been shuttle astronauts. Ten shuttle flights have been devoted exclusively to Department of Defense projects, and several Air Force experiments have flown on other flights. Adding to the interpretive possibilities at the NMUSAF, the National Museum also possesses a scheduled satellite payload, the Teal Ruby spacecraft. The Museum possesses the fixtures to properly showcase the satellite in the payload bay.

Placing the space shuttle on display at the National Museum is a perfect opportunity to tell the rich history of the Air Force's space programs and the vital and important partnership that exists between the Air Force and NASA. I trust you will give this request full consideration and look forward to hearing from you soon.

Sincerely,

 (b) (6)

Ronald M. Sega

04/19/06 WED 15:11 FAX

002

JON KYL
ARIZONA
730 HART SENATE OFFICE BUILDING
(202) 224-4821

COMMITTEES:
FINANCE
JUDICIARY
ENERGY AND NATURAL
RESOURCES

CHAIRMAN
REPUBLICAN POLICY COMMITTEE

United States Senate

WASHINGTON, DC 20510-0304

STATE OFFICES
2200 EAST CAMELBACK ROAD
SUITE 120
PHOENIX, AZ 85016
(602) 940-1991


7315 NORTH ORACLE ROAD
SUITE 220
TUCSON, AZ 85704
(520) 575-8633

April 19, 2006

Ms. Mary Kerwin
Deputy Assistant Administrator for Legislative Affairs
National Aeronautics and Space Administration
300 E Street, SW
Suite 9L33
Washington, DC 20546

Dear Ms. Kerwin:

The enclosed information is sent for your consideration. Please forward to me the necessary information for response to my constituent, Mr. Kenneth Moyes.

Please reply to the attention of  of my staff in Tucson, Arizona. Due to new Senate mail procedures, please send your response by fax to my Tucson office at (520) 797-3232. Should you wish to convey it instead via electronic mail attachment on agency letterhead, please do so at britann_smith@kyl.senate.gov.

Naturally, I do not expect any action to be taken in this matter that would contravene existing rules and regulations.

Thank you for your assistance in this matter.

Sincerely,



JON KYL
United States Senator

JK:bes

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Page 1 of 2

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From: [REDACTED] (b) (6)
Date: 4/18/2006 2:25:36 AM
To: webmail@kyl-ic.senate.gov
Subject: Retiring Space Shuttles

I have written you in the past on what I believe are weighty issues in need of your attention. This time, the issue is not so weighty, yet it is a great significance.

When the Space Shuttles are retired, I imagine that the Smithsonian will display one and the Air Force Museum in Ohio will display one. That leaves one shuttle to be carved up among a number of venues. Since one will be on the east coast and one may very well be in the center of the country, why not one out here in little old Tucson. Of course, Edwards will likely have the inside track, but how many people actually visit the museum at Edwards versus the number of visitors to the non-profit Pima Air and Space Museum. Since Pima is the third largest Air & Space Museum in the Country and the largest non-government non-profit, perhaps you could lend your weight to having one shuttle housed where people from the west could easily see it.

I am a docent at Pima, BUT I AM CONTACTING YOU AS A CONSTITUENT ONLY. I have not spoken with the museum about this, I have no authority to speak for the Pima Air Museum. I can only speak as a private citizen. I do not even know if they would want a shuttle, but I would if I was in management there.

Please push the idea of spreading the shuttles out to venues with the capacity and the visitor count to adequately provide viewing to the public.

I am writing you and Senator McCain about this.

Tucson 10 10

===== Original Formatted Message Starts Here =====

```
<IP>68.110.1.214</IP>  
<APP>SCCMAIL  
<PREFIX>Mr.</PREFIX>  
<FIRST>Kenneth</FIRST>  
<LAST>Moyes</LAST>  
<ADDR1>10545 E Black Willow Drive</ADDR1>  
<ADDR2></ADDR2>  
<CITY>Tucson</CITY>  
<STATE>AZ</STATE>  
<ZIP>85747</ZIP>  
<PHONE>5208858419</PHONE>
```

<EMAIL>knoyes@core.com</EMAIL>

<ISSUE>OTHER</ISSUE>
<RSP>Y</RSP>

<MSG>I have written you in the past on what I believe are weighty issues in need of your attention. This time, the issue is not so weighty, yet it is a great significance.

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Page 2 of 2

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(b) (6)
Tucson</MSG>
</APP>

View e:\emailobj\200604\16\41833129a.txt - BRITANNS

RICHARD G. LUGAR
INDIANA

305 HART SENATE OFFICE BUILDING
WASHINGTON, DC 20510
202-724-4814

senator_lugar@lugar.senate.gov

COMMITTEES
FOREIGN RELATIONS, CHAIRMAN
AGRICULTURE, NUTRITION, AND FORESTRY

United States Senate

WASHINGTON, DC 20510-1401

May 23, 2006

Ms. Mary D. Kerwin
Deputy Assistant Administrator of Legislative Affairs
National Aeronautics and Space Administration
300 E Street SW, Suite 9L33
Washington, D.C. 20546

Dear Ms. Kerwin:

Enclosed is correspondence Senator Richard Lugar received from [REDACTED] regarding his request for assistance. Due to the nature of the letter, I am forwarding it to you for review.

After you have had the opportunity to review this matter, we would appreciate a written response. If you have any questions, please contact me at 1180 Market Tower, 10 West Market Street, Indianapolis, Indiana 46204-2964, or you may call me at (317) 226-5555.

Thank you for your assistance and attention to this matter.

Sincerely,

[REDACTED]

Monica Bowles Kozlowski
Special Assistant

b6

can obtain several spacecrafts including one of the Space Shuttles after the fleet is retired. We want to use it not only as a tribute to our fellow elite Hoosier aviators and serve as a learning tool and attraction for all who will be visiting our museum. The physical dimensions of our company's museum building and grounds are as follows. The building will be 400,000 to 450,000 square feet of display space, 500-seat amphitheatre, banquet and small convention facility with parking for 700 vehicles. The grounds consist of 100 acres to be for multi educational usages. Senator Lugar we will have the area to permanently park and the staff to care for this type of vehicle and other large sized vehicles. By obtaining a shuttle will be a huge assist to our educational programs benefiting all of Indiana's citizens. Please help us with our educational endeavor to improve the knowledge of all Hoosiers.

Sincerely,

 b6

David Lee Thomas
President and Founder
Hoosier Historical Heritage of Indiana Inc.

**Hoosier Historical Heritage of Indiana Inc.
P. O. Box 421331
Indianapolis, Indiana 46242-1331
317-379-7720**

May 25, 2006

**Senator Richard Lugar
1180 Market Tower
Indianapolis, Indiana 46204**

Sir I am writing requesting your assistance with several questions dealing with two federal government agencies. The first question deals with the Internal Revenue Service and the second pertains to NASA.

Senator my three-part company is an educational entity specializing in Indiana History. We will be producing two textbooks. One for the elementary level and the other is intended for the general public, second segment is a documentary film consisting of seven 4 hours segments and our third is a museum detailing an estimated 4.4 billions years of Hoosier Land history. We have received many exceptional endorsements and also received over 100 requests on behalf of endowments, charitable foundations and philanthropies requesting for us to apply for millions of dollars in available grant money to fund our company's educational endeavor.

Sir my first question is as follows. We have applied for the 501 C 3 status proximally 3 ½ to 4 months ago and paid the required five hundred dollar fee. Upon contacting the I.R.S. at their Covington, Kentucky office, they explained as to why it has taken so long for us to receive our letter of determination. There is a backlog of applications from organizations wanting to help last year's hurricane victims. We are in no way wanting to hinder or prevent any organization from serving the needs of our fellow citizens. Sir is there anyway you can contact them and inquire how much longer it will take for us to receive our letter of determination. So we can bring our educational endeavor to a successful conclusion. We have many benefits for a wide variety of our fellow Hoosiers to improve Indiana's Educational rating within the United States and provide much needed employment here in the Indy area. The letter of determination from the I.R.S. is all we need to apply for the grant funds. We have in our procession all proper documentation pertaining to the State of Indiana and other local governmental agencies.

My second question deals with NASA. As part of our museum will house Indiana's Aviation Heritage beginning with various fossilized bird species to the Wright Brothers including the space program. As you know Astronauts Grissom, Purdue Graduate Neil Armstrong and Indy's own David Wolfe have made significant contributions to space flight. Sir would you contact N.A.S.A. and find out how we

JUN-14-2006 WED 06:33 PM

FAX NO.

P. 02

DAVID L. HOBSON
7TH DISTRICT, OHIO

WASHINGTON OFFICE
2346 Rayburn House Office Building
Washington, DC 20615
(202) 225-4324



CONGRESS OF THE UNITED STATES
HOUSE OF REPRESENTATIVES

June 1, 2006

COMMITTEE ON APPROPRIATIONS

SUBCOMMITTEES
ENERGY AND WATER DEVELOPMENT
CHAIRMAN
DEFENSE

ASSISTANT MAJORITY WHIP

Mr. Brian Chase
National Aeronautics and Space Administration
300 E Street, SW, Suite 9L33
Washington, DC 20546-0005

Dear Mr. Chase:

Enclosed please find an e-mail I received from one of my constituents, [REDACTED] b6
[REDACTED] He is interesting in knowing where the space shuttles will be housed once they are retired. Since this is a matter under your jurisdiction, I have forwarded his e-mail to you.

Thank you for your prompt attention to this matter.

Sincerely,

[REDACTED] b6
[REDACTED]
DAVID L. HOBSON
Member of Congress

DLH:bn

SPRINGFIELD OFFICE
6 West North Street, Suite 200
P.O. Box 289
Springfield, OH 45501-0289
(937) 325-0474

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Lancaster, OH 43130-4389
(740) 664-6149

E-Mail Preview

Page 164 of 256

Exception - f:\emailobj\200603\1\31912031.txt

From: Web forms <webforms@heoc-www6.house.gov>
Date: 3/19/2006 1:05:03 AM
Subject: Form Mail

Mr Hobson,

In careful review of the Space Shuttle program wind-down, it became apparent that lobbying for the Space Shuttle Endeavor should and must be a top priority for the National Museum of the Air Force in Dayton. Why you may ask? The answer is quiet simple in the entrance to the space gallery is the Apollo Command Module Endeavor. To have the predecessor and the namesake in one grand display would have national significance as well as international interest from foreign tourists. Mr. Hobson take up this endeavor to attain Endeavor.

=== Original Formatted Message Starts Here ===

<APP>SCCMAIL

[REDACTED]

(b)(6)

[REDACTED]

<PHONE></PHONE>
<EMAIL></EMAIL>

<MSG>Mr Hobson,

In careful review of the Space Shuttle program wind-down, it became apparent that lobbying for the Space Shuttle Endeavor should and must be a top priority for the National Museum of the Air Force in Dayton. Why you may ask? The answer is quiet simple in the entrance to the space gallery is the Apollo Command Module Endeavor. To have the predecessor and the namesake in one grand display would have national significance as well as international interest from foreign tourists. Mr. Hobson take up this endeavor to attain Endeavor.</MSG>

</APP>

REPLY TO:

☐ 135 HART SENATE OFFICE BUILDING
WASHINGTON, DC 20510-1501
(202) 224-3744
TTY: (202) 224-4479
e-mail: chuck_grassley@grassley.senate.gov

☐ 721 FEDERAL BUILDING
210 WALNUT STREET
DES MOINES, IA 50308-2140
(515) 288-1145

☐ 206 FEDERAL BUILDING
101 1ST STREET SE
CEDAR RAPIDS, IA 52401-1227
(319) 363-6832

United States Senate

CHARLES E. GRASSLEY

WASHINGTON, DC 20510-1501

July 7, 2006

REPLY TO:

☐ 103 FEDERAL COURTHOUSE BUILDING
320 6TH STREET
SIOUX CITY, IA 51101-1244
(712) 233-1860

☐ 210 WATERLOO BUILDING
531 COMMERCIAL STREET
WATERLOO, IA 50701-5497
(319) 232-6857

☐ 131 WEST 3RD STREET
SUITE 180
DAVENPORT, IA 52801-1419
(563) 322-4331

☐ 307 FEDERAL BUILDING
8 SOUTH 6TH STREET
COUNCIL BLUFFS, IA 51501-4204
(712) 322-7103

Ms. Mary D. Kerwin
National Aeronautics and Space Administration
300 E Street, SW, Suite 9L33
Washington, D.C. 20546

Dear Ms. Kerwin:

Enclosed please find a communication from [REDACTED] b6 regarding his proposal for a National Space Shuttle Museum.

I would appreciate any assistance you could provide pertaining to this matter. Please mark your return correspondence to the attention of [REDACTED] b6 when responding to my office.

Thank you for your attention to my request.

Sincerely,

[REDACTED] b6
Charles E. Grassley
United States Senator

CEG/bj
Enclosure

CHAIRMAN,
FINANCE

Committee Assignments:

BUDGET
JUDICIARY
AGRICULTURE

CHAIRMAN,
INTERNATIONAL NARCOTICS
CONTROL CAUCUS

PRINTED ON RECYCLED PAPER

1376599

b6
Attention: [REDACTED]

Curt,

There are 9 pages to this fax, including the cover.
Please e-mail me at home to confirm that you received
this fax.

Please forward the following 8 pages on to Dr.
Griffin. Thank you and I hope to hear a positive answer to
my questions in the near future.

Tell Sen. Grassley I appreciate his efforts and hope
to be a regular caller over the next four years.

Sincerely,

[REDACTED] b6
[REDACTED]

[REDACTED]

Launch Iowa Foundation director

home e-mail:
home phone:

[REDACTED] b6
[REDACTED]


June 28, 2006

Dr. Michael Griffin
Administrator, NASA
NASA Headquarters
Washington, DC 20546-0001

Dear Dr. Griffin,

I am writing you today, sir, about building a facility of national importance — the National Space Shuttle Museum ... to be opened in 2010.

The Space Shuttle program celebrates its 25th anniversary of exploration this year as its first flight took place in 1981. By 2010 there will be nearly 30 years of history behind NASA's longest running program, with a great many tales of exploration, grand successes and two catastrophes felt by this nation.

The Launch Iowa Foundation would strive to raise the \$174 million necessary to build a world-class facility that would be home to Discovery, Atlantis and Endeavour, along with all the history associated with the Space Shuttle. In a tentative plan drawn up by an architectural firm the proposed museum would be 250,000 square feet — large enough to house three shuttles, 100 aircraft of various eras of American flight, two theaters, plenty of exhibition space of NASA's history, interactive displays and much more described in the enclosed synopsis.

Why build such a grand structure in Burlington, Iowa? First and foremost, we have a strong bond with NASA. Two-time Space Shuttle astronaut Jim Kelly was born and raised in Burlington. He had the distinct honor of piloting Discovery on its last flight as you know. Space Shuttle astronaut Peggy Whitson grew up in Iowa and received a college degree from Iowa Wesleyan College in Mount Pleasant, a mere 28 miles from Burlington.

And an early Space Shuttle astronaut, Dale Gardner, calls Clinton, Iowa, home which is just up the Mississippi River from Burlington. And one last connection to NASA is Dr. Edward Stone, who received a degree from Burlington Junior College in 1957 before furthering his education. He went on to become the chief scientist for the Voyager space exploration missions and retired as administrator of NASA's Jet Propulsion Laboratory.

Dr. Griffin, Burlington would offer a great deal more to a tourist of the National Space Shuttle Museum. Americans and international guests would get to see the Mississippi River in all of its splendor; see the history of Chief Blackhawk who a young Abe Lincoln chased across Iowa as an Illinois soldier; visit the hometown of one of America's earliest environmentalist ... Aldo Leopold; see the historic architecture of a city that was once the capital of the Iowa/Wisconsin Territory; see the crookedest street in the world; we are the "Burlington" in Burlington Northern Santa Fe Railway; and a great deal more.

Dr. Griffin, what I am asking today is two things. Are any of the space shuttles already earmarked for a museum, such as the Smithsonian National Air & Space Museum? If not, my second question is would you allow me to visit with you in six to eight months with a contingent from Iowa to show you designs for a National Space Shuttle Museum?

I believe Burlington, and more importantly Iowa, would build a museum that NASA and every American could be proud of in 2010. And I would enjoy the opportunity to show you the blueprints for such a grand facility in the near future.

Thank you Dr. Griffin for letting me convey this proposal to you and I will anxiously await your answer through Sen. Charles Grassley. Thank you again.

Sincerely,

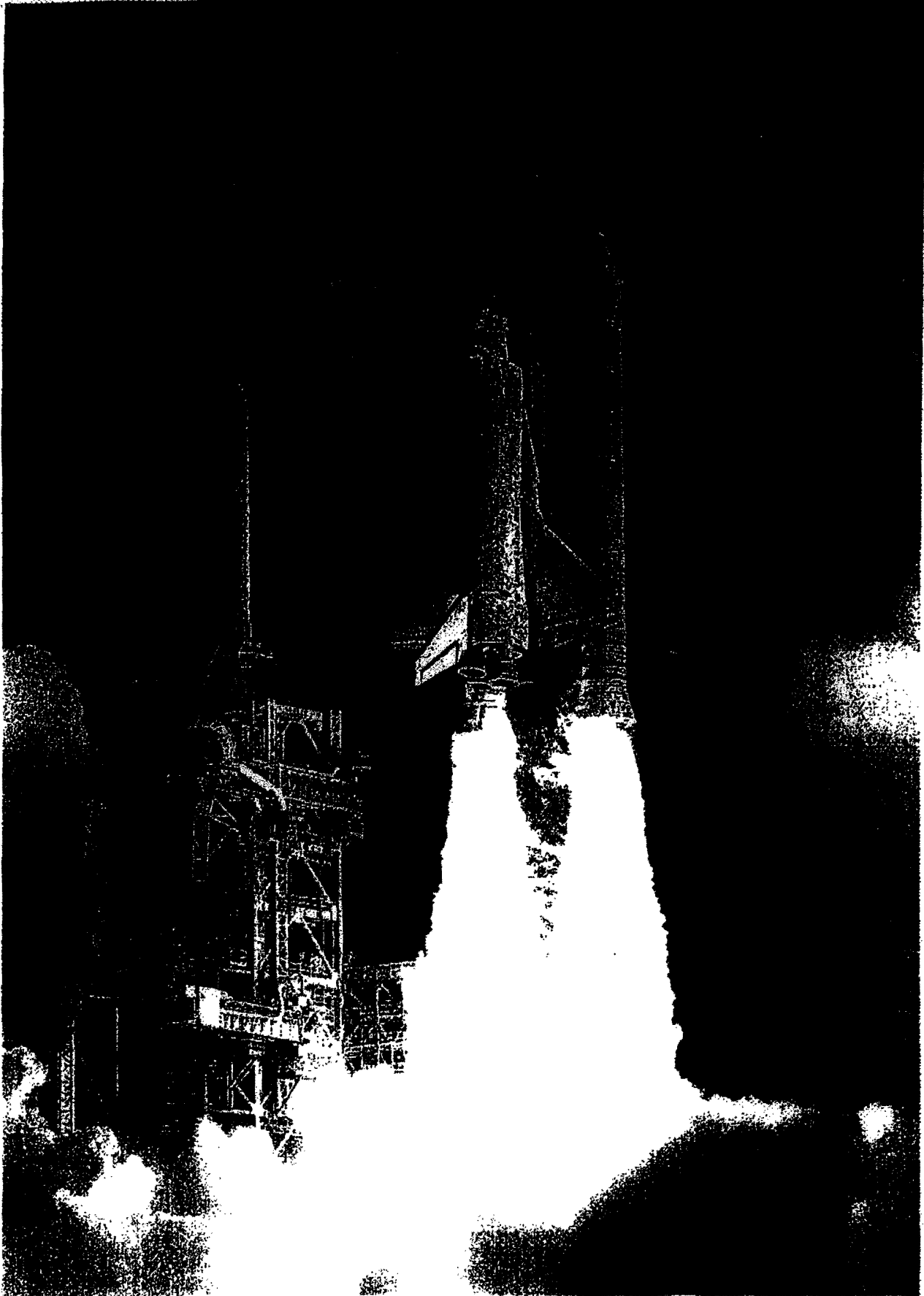
 b6 b7C

Rex L. Troute
Launch Iowa Foundation director

JUN-28-2006 10:44

THE HAWK EYE

P.04 (6)



LAUNCH IOWA FOUNDATION

Mission statement

To create and build a world class facility in Burlington, Iowa called the National Space Shuttle Museum. Its purpose will be to showcase the history and glory of the space shuttle program and display three of its ships — Discovery, Atlantis and Endeavour. We want visitors to leave the museum with awe, excitement and patriotism in their hearts.

THE NATIONAL SPACE SHUTTLE MUSEUM

The National Space Shuttle Museum

A. Space Shuttle Display

1. Discovery, Atlantis and Endeavour
2. People will be allowed to tour the inside of one Space Shuttle
3. A second Space Shuttle will be displayed in state.
3. Theater seating will allow visitors to see a show centered around the third Space Shuttle — involving the launch, space walks, work from the cargo bay, a landing and more.

B. Jim Kelly memorabilia

1. Space suits, accomplishments, etc.

C. Peggy Whitson memorabilia

1. Space suits, accomplishments, etc.

D. Space history

1. From NASA's early days on up to the Space Shuttle
2. From capsules and satellites to inventions from the space program

E. CBS Theater

1. "Space Shuttle: Exploration of the Beyond"
2. This movie will be produced by CBS-TV
 - a. Narrated by Walter Cronkite or Dan Rather

F. Replica of Mission Control

1. This will give visitors a view of the inner workings of NASA

G. Launching pad memorabilia

1. A rocket mover
2. Any other unusual equipment used in Houston or at Cape Canaveral

H. Foreign space programs

1. Replicas of Soviet, Chinese and other countries spacecraft
2. Space suits, photos and film of launches
3. Accomplishments

I. Interactive spots

1. Can see and hear launch calls, starting with the first American in space
2. Walter Cronkite's call of the 1969 moon landing, along with Neil Armstrong's famous first words.
3. Movie clips from space movies
 - a. From "2001: A Space Odyssey" to "Space Balls"
4. Songs on flying and space travel

J. Astronaut signature wall

1. Will include photos of every American astronaut

K. Special exhibits

1. Moon rocks
2. Mars photo collection
3. Mercury, Gemini and Apollo capsules
4. What's on tap in future space travel

L. American flight

1. From the Wright brothers to today (50 or more aircraft)
2. Examples of aircraft used in combat and passenger travel

M. Foreign aircraft

1. From World War I to today

N. The history of flight

1. Newspaper clippings
2. Clothing and equipment
3. Film clips of test flights, dog fights, etc.

O. Second movie theater

1. One or two films rotate for the year, and then change
2. Topics may include NASA's earlier conquests or what we know about our solar system

P. Jim Kelly Lecture Hall

1. Visits from Glenn, Armstrong and others involved in space and flight.
2. Speakers may include NASA administrators, scientists, engineers, etc.
3. Speakers may include leaders in politics, business, education, etc.

Q. Photo opportunities

1. Picture taken in a space suit
2. Picture taken in the appearance of weightlessness

R. Game room

1. Launch simulators
2. Dogfight machines
3. Games pertaining to space and flight

S. Gift shop

1. Books, DVDs, cassettes
2. Model kits of rockets, spacecraft, airplanes
3. Space shuttle and museum memorabilia

T. Sit-down restaurant**U. Quick food restaurant****V. Art exhibits on space and flight**

1. From professional painters down to kindergarten artists

W. Plaza

1. Artistic sculpture paying tribute to the crews of Columbia and Challenger disasters
2. Unique fountain
3. Founders bricks

X. Conference rooms**Y. Special events****Z. Surprises**

LAUNCH IOWA FOUNDATION T O F F

Mission statement

To create and build a world class facility in Burlington, Iowa called the National Space Shuttle Museum. Its purpose will be to showcase the history and glory of the space shuttle program and display three of its ships — Discovery, Atlantis and Endeavour. We want visitors to leave the museum with awe, excitement and patriotism in their hearts.

(b) (6)

THE NATIONAL SPACE SHUTTLE MUSEUM

The National Space Shuttle Museum

A. Space Shuttle Display

1. Discovery, Atlantis and Endeavour
2. People will be allowed to tour the inside of one Space Shuttle
3. A second Space Shuttle will be displayed in state.
3. Theater seating will allow visitors to see a show centered around the third Space Shuttle — involving the launch, space walks, work from the cargo bay, a landing and more.

B. Jim Kelly memorabilia

1. Space suits, accomplishments, etc.

C. Peggy Whitson memorabilia

1. Space suits, accomplishments, etc.

D. Space history

1. From NASA's early days on up to the Space Shuttle
2. From capsules and satellites to inventions from the space program

E. CBS Theater

1. "Space Shuttle: Exploration of the Beyond"
2. This movie will be produced by CBS-TV
 - a. Narrated by Walter Cronkite or Dan Rather

F. Replica of Mission Control

1. This will give visitors a view of the inner workings of NASA

G. Launching pad memorabilia

1. A rocket mover
2. Any other unusual equipment used in Houston or at Cape Canaveral

H. Foreign space programs

1. Replicas of Soviet, Chinese and other countries spacecraft
2. Space suits, photos and film of launches
3. Accomplishments

I. Interactive spots

1. Can see and hear launch calls, starting with the first American in space
2. Walter Cronkite's call of the 1969 moon landing, along with Neil Armstrong's famous first words.
3. Movie clips from space movies
 - a. From "2001: A Space Odyssey" to "Space Balls"
4. Songs on flying and space travel

J. Astronaut signature wall

1. Will include photos of every American astronaut

K. Special exhibits

1. Moon rocks
2. Mars photo collection
3. Mercury, Gemini and Apollo capsules
4. What's on tap in future space travel

- L. American flight
 - 1. From the Wright brothers to today (50 or more aircraft)
 - 2. Examples of aircraft used in combat and passenger travel
- M. Foreign aircraft
 - 1. From World War I to today
- N. The history of flight
 - 1. Newspaper clippings
 - 2. Clothing and equipment
 - 3. Film clips of test flights, dog fights, etc.
- O. Second movie theater
 - 1. One or two films rotate for the year, and then change
 - 2. Topics may include NASA's earlier conquests or what we know about our solar system
- P. Jim Kelly Lecture Hall
 - 1. Visits from Glenn, Armstrong and others involved in space and flight.
 - 2. Speakers may include NASA administrators, scientists, engineers, etc.
 - 3. Speakers may include leaders in politics, business, education, etc.
- Q. Photo opportunities
 - 1. Picture taken in a space suit
 - 2. Picture taken in the appearance of weightlessness
- R. Game room
 - 1. Launch simulators
 - 2. Dogfight machines
 - 3. Games pertaining to space and flight
- S. Gift shop
 - 1. Books, DVDs, cassettes
 - 2. Model kits of rockets, spacecraft, airplanes
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- T. Sit-down restaurant
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 - 1. Artistic sculpture paying tribute to the crews of Columbia and Challenger disasters
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- X. Conference rooms
- Y. Special events
- Z. Surprises

EVERGREEN INTERNATIONAL AVIATION, INC.

3850 Three Mile Lane • McMinnville, OR 97128-9496 • Telephone: 503-472-9361 • Fax: 503-472-1048

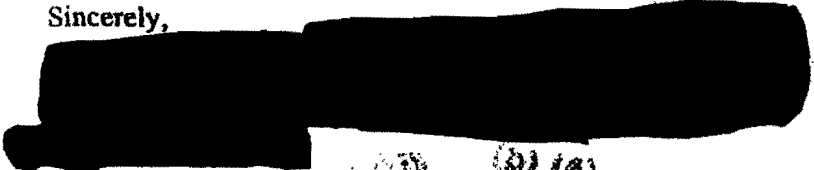

Chairman of the Board

With a pledge of Evergreen family support into perpetuity, the Museum can continue financing long-term operational and developmental goals – a blessing that few non-profit organizations are fortunate enough to enjoy. The Museum's collection has grown to more than 90 historic aircraft spanning early flight through the modern era. We are actively expanding our education programs through collaboration with other educational institutions including Embry Riddle and many universities on the West Coast. We have built a new IMAX[®] Theater, and have broken ground on the construction of our new Space Museum designed to house a Space Shuttle Orbiter as its centerpiece. As we build the facility, we will work with NASM regarding the long-term care and preservation of the orbiter and other space artifacts featured in our new facility. With the addition of the IMAX Theater and the Space Museum, we expect our annual attendance to exceed 500,000.

The Evergreen Aviation Museum and Captain Michael King Smith Educational Institute will display the Space Shuttle Orbiter with dignity and respect in a manner that will convey the importance of the National Aeronautics and Space Administration's programs. Placement of the orbiter at the Evergreen Aviation Museum will provide the citizens of the western United States the inspirational opportunity to learn the story of space exploration.

To improve our position to be a recipient of a Space Shuttle, we want to be a giver. We are prepared to give NASA, the defense department, or the National Air & Space Museum \$10 million of cargo lift or NASA maintenance. We want to give back to our government. Please consider this letter confirmation of Evergreen Aviation Museum's desire to transport, maintain, and showcase a Space Shuttle Orbiter on a long-term loan from NASA upon retirement.

Sincerely,


Chairman of the Board

EVERGREEN INTERNATIONAL AVIATION, INC.

3850 Three Mile Lane • McMinnville, OR 97128-9496 • Telephone: 503-472-9361 • Fax: 503-472-1048


Chairman of the Board

November 20, 2006

Administrator Michael D. Griffin
NASA Headquarters, Suite 1M32
Washington, DC 20546-0001

Dear Administrator Griffin,

We are respectfully requesting that the Evergreen Aviation Museum be considered as a recipient of one of the Space Shuttle Orbiters upon retirement from service. The world-class Evergreen Aviation Museum and Captain Michael King Smith Educational Institute has broken ground on a new 121,000 square foot space museum and education facility to be completed in November 2007. We believe featuring a Space Shuttle Orbiter as a key artifact in our new facility will enhance our mission to educate and inspire achievement in youth, to promote and preserve aviation history, and to honor the patriotic service of our veterans.

Evergreen International Aviation (Evergreen) provides a significant link between the National Aeronautics and Space Administration (NASA) and the Evergreen Aviation Museum. Evergreen has been uniquely involved with the NASA Space Shuttle program through maintenance of the modified Boeing 747 Shuttle Carrier Aircraft since 1991. Through its relationship with Evergreen, the Evergreen Aviation Museum has a proven capability of maintaining, restoring and moving large aircraft like the *Spruce Goose*.

Evergreen International Airlines has been a Civil Reserve Air Fleet (CRAF) carrier since the creation of CRAF in 1947. We have been the dominant cargo airlift provider in recent wars and the recipient of top awards from the government as the most patriotic and best performing for all areas of response: rail, road, sea, air. We are a committed and patriotic company. For the last 46 years, Evergreen Helicopters has performed many missions for our nation including several classified projects.

Evergreen has established a legacy of assisting those in need and continues to utilize its vast resources to support many challenging missions. Evergreen's longest continuous contract is one of the most successful aviation-supported humanitarian programs in history. For more than 30 years, a fleet of Evergreen helicopters have served the World Health Organization (WHO) and more than 40 million citizens of 13 West African nations, to eradicate the black fly and to help eliminate a disastrous plague in Africa known as river blindness.

A/2M2-N1452



EDWARD J. GORMLEY
MAYOR

January 3, 2007

Administrator Michael D. Griffin
NASA Headquarters, Suite 1M32
Washington, DC 20546-0001

Re: Support for Evergreen Aviation Museum's Acquisition of the Space Shuttle Orbiter

Dear Mr. Griffin:

On behalf of the McMinnville City Council and the McMinnville community, I am pleased to support the Evergreen Aviation Museum's acquisition of the space shuttle orbiter. It would be an excellent addition to their world-class collection and aviation museum facilities.

The City of McMinnville and the greater McMinnville community have embraced the Evergreen Aviation Museum ever since the idea for it was conceived by Mr. Delford Smith as a means of promoting and preserving aviation history and honoring the patriotic services of veterans, like his late son, Captain Michael King Smith, an F-15 pilot. Each year hundreds of local citizens provide thousands of volunteer hours at the aviation museum. This support and excitement for the museum would only grow with the addition of the space shuttle orbiter!

Beautiful McMinnville, Oregon sits in the "Heart of the Oregon Wine Country" and is the county seat of Yamhill County. You are welcome to learn more about us by visiting our website at: www.ci.mcminnville.or.us. A world-class aviation museum like Evergreen's is a complimentary fit with the growing local wine industry. McMinnville and the Evergreen Aviation Museum benefit from being located along one of the primary transportation routes to the beautiful Oregon coast. Location of the space shuttle in McMinnville would provide hundreds of thousands of visitors and tourists each year the opportunity to experience a major piece of space history.

People from McMinnville are very proud that the Evergreen Aviation Museum calls McMinnville home because the museum complex is well-run and the facilities are so beautiful. We are excited that the latest addition to their complex, the space museum facility, is now under construction and will soon join the original museum building and IMAX theater building. It will be a beautiful building and the space shuttle would be the perfect centerpiece to the collection in the new building!

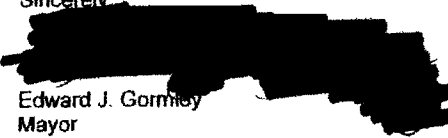
230 N.E. Second Street • McMinnville, Oregon 97128 • 503-434-7405 • www.ci.mcminnville.or.us

The Heart of the Oregon Wine Country


January 3, 2007

The space shuttle orbiter would be in a great home here in McMinnville and would be very well cared for by the Evergreen Aviation Museum and the larger community. I would be pleased to discuss the City and community's support for this project and provide any additional information that may be needed.

Sincerely,


Edward J. Gormley
Mayor

EJG:ral

cc:  Evergreen Aviation Museum

Wickman, Richard A. (HQ-LD020)

From: Kinney, Susan (HQ-LD040)
Sent: Tuesday, May 13, 2008 8:54 PM
To: Wickman, Richard A. (HQ-LD020)
Subject: FW: Valerie Neal

From: Brian York [mailto:BYork@strategicalrandspace.com]
Sent: Tuesday, May 13, 2008 1:44 PM
To: Kinney, Susan (HQ-LD040)
Subject: Valerie Neal

Dear Ms. Kinney:

I received your name and contact information from Valerie Neal. I was speaking with her about the disposition of the space shuttles and who is a good contact person. Your name came up and she said you would no more than her.

What I am looking for is some advice on what to submit and to whom regarding a request for a shuttle. I understand that you are on military leave and will be out for 2 weeks. If you would please let me know when your back in the office, I would love the opportunity to speak with you briefly.

Very Respectfully,
Brian York

Brian T. York
Curator of Exhibits & Collections
Strategic Air & Space Museum
28210 West Park Hwy.
Ashland, NE 68003
office (402)944-3100 x227
fax (402)944-3160
cell (402)429-2876

5/29/2008

2007-00018



National Aeronautics and Space Administration
Headquarters
Washington, DC 20546-0001

January 22, 2007

Reply to Attn of: The Honorable Edward J. Gormley
Mayor of McMinnville
230 N.E. Second Street
McMinnville, OR 97128

Dear Mayor Gormley:

Thank you for your letter regarding the final disposition of the Space Shuttle Orbiters following Shuttle retirement. At this time, no decision has been made. NASA's primary focus is ensuring that the Space Shuttle safely and successfully completes its mission—completing assembly of the International Space Station (ISS) by the end of 2010. ISS construction represents one of the most challenging and difficult tasks that have ever been attempted in the history of space flight. Over the next 3 years, the Space Shuttle will carry over more than 375,000 pounds of hardware to the ISS, where astronauts and cosmonauts will conduct nearly 75 spacewalks to assemble, check out, and maintain the orbiting facility. With 14 additional flights left to fly, the Space Shuttle workforce is engaged in the mission at hand and we feel that discussions regarding when and where the Orbiter vehicles will be positioned after retirement is an unnecessary and potentially detrimental distraction. It is essential that the Space Shuttle's last mission have the same attention to detail as every preceding flight.

As Shuttle phase out plans mature over the next several years, disposition of all property will be accomplished according to government guidelines. Because of the role that they have played in our Nation's space program, special attention will be provided to the Shuttle Orbiters ensuring that they will be retired to a place which provides access to the maximum number of American taxpayers. However, it is premature to finalize such plans at this time.

Sincerely,

[Redacted signature block with two circular stamps]

Brian E. Chase
Assistant Administrator
for Legislative Affairs



December 21, 2007

Dr. Michael Griffin
NASA Administrator
NASA Headquarters
Washington DC 20546-0001

Dear Dr. Griffin:

Please consider this letter our formal request to receive one of the Space Shuttles upon their retirement from NASA.

As you know, there comes an end to the life of virtually every aircraft, and soon in the 21st Century our nation's shuttle program begins a transition to a new breed of spacecraft, to take man farther than we've ever imagined to the new frontier and beyond. Thus, it's incumbent upon our valued national institutions to preserve the great heritage each critical air and space program provides. As a Smithsonian Affiliate, the first aero-themed American Association of Museums Accredited museum and the State of California's "Official" Air & Space Museum and Educational Center, there is no better organization than the San Diego Air & Space Museum as home to one of our shuttles. Just this year, April of 2007, we hosted the National Air & Space Museum's Mutual Concerns Conference. It was a resounding success....Smithsonian quality is our goal always. We are proud of our record, but prouder of our vision.

Please be assured we're prepared to provide the shuttle a 'world-class' home, and of course we'll promise not to fly it... (that's a joke by the way). But please sincerely know, our effort will be second to none, and worthy of every consideration. You have my personal word!

The very best over the holidays and Merry Christmas and Happy New Year to your team at NASA...and your family.

Warmest regards,

James G. Kidrick
Commander USN, (Ret)
President & CEO



Smithsonian Institution
Affiliations Program

2007-00018

National Aeronautics and Space Administration
Headquarters
Washington, DC 20546 0001



January 22, 2007

Reply to Attn of: The Honorable Edward J. Gormley
Mayor of McMinnville
230 N.E. Second Street
McMinnville, OR 97128

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Sincerely,

A large, solid black rectangular redaction box covering the signature of Brian E. Chase.

Brian E. Chase
Assistant Administrator
for Legislative Affairs



December 21, 2007

Dr. Michael Griffin
NASA Administrator
NASA Headquarters
Washington DC 20546-0001

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The very best over the holidays and Merry Christmas and Happy New Year to your team at NASA... and your family

Warmest regards,

James G. Kidrick
Commander USN, (Ret)
President & CEO



Smithsonian Institution
Affiliations Program

CALIFORNIA



28 January 2008

Dr. Michael D. Griffin, Administrator
National Aeronautics and Space Administration
300 E Street SW
Washington, DC 20546-0001

Dear Administrator Griffin:

As 2010 and the end of Space Shuttle operations draw nearer, interest is growing with regard to what will be done with program assets from the Orbiters to other flight hardware components as well as various development and facility items. California has played a significant role in the design and development, assembly, and operation of the Space Shuttle. California's three NASA centers along with hundreds of contractors and vendors, academia, trade unions, and members of its Congressional delegation have all supported the space shuttle program.

California Space Authority (CSA) serves as the voice, the primary advocate, for space enterprise within the state. Partnered with government, industry, academia, and communities, CSA works to promote the retention and growth of space business. CSA has also been very active in supporting NASA overall on Capitol Hill, in Sacramento, in the media, or in public forums.

There are communities and organizations within California that currently are, or plan to be, involved with displaying the story of human (and uncrewed) spaceflight. As the Space Shuttle Program nears the end, there is growing interest in preserving and displaying program assets for historical and educational purpose.

California Space Authority, on behalf of its members and the state's space enterprise stakeholders including the citizens, would like NASA to recognize that given this state's important contribution to this Program, that assets / artifacts need to be identified and retained for probable future use with a new role beyond 2010.

Given California's role in the Space Shuttle Program, it is reasonable that an Orbiter vehicle be returned to the Fleet's birthplace of California for perpetual exhibition. California would be pleased to acquire *Endeavour*, *Atlantis*, or *Discovery*; however given the reality of the situation with only three operational or orbital vehicles remaining in service, and the locations and organizations who are sure to express interest in obtaining one, it would seem that it is a logical choice to designate the prototype or ALT vehicle, *Enterprise*, to be sent to California. *Enterprise* was built and tested in California. *Enterprise* performed its mission in California. California is the perfect location to preserve, protect, and share this ship with the public given the looming reality with respect to one of the three operational spaceships. Of course, California will work very closely with NASA, NASM, and the Executive and Legislative branches to make this a reality.

California Space Authority, Inc.

Administrative Office • 3201 Airpark Drive, Ste. 204, Santa Maria, CA 93456 • (805) 349-2633 office • (805) 349-2635 fax
Capital Office • 1107 Ninth Street, Ste. 1005, Sacramento, CA 95814 • (916) 551-1543 office • (916) 551-1579 fax
Los Angeles Office • 3858 Carson Street, Ste. 110, Torrance, CA 90503 • (310) 316-3271 office • (310) 543-9886 fax
Pasadena Office • 150 East Colorado Ste. 302, Pasadena, CA 91105 • (626) 440-0565 office • (626) 440-0566 fax
San Bernardino Office • 284 South Leland Norton Way, Ste. 3, San Bernardino, CA 92408 • (909) 382-7300
San Diego Office • 1670 Cordell Court, Ste. 202, El Cajon, CA 92020 • (619) 562-3400

www.californiaspaceauthority.org

A/2008-10095



Orbiters are not all that California would like to preserve and display. There are additional items of historical significance such as SSMEs (another California product) that would be ideal in any historical / educational facility. Components such as fuel cells and display units, Thermal protection system (TPS) products, airlock assemblies, Astronauts' spacesuits, as well as mission or payload specific simulators or mock-ups are all items that have great potential in helping to tell this outstanding program's story for generations to come.

As NASA makes decisions and implements actions to dispose and remove assets from the space shuttle program, we urge NASA to consider communities, foundations and organizations throughout California as sites for historical display in order to inspire our future space industry professionals and leaders. As an example, at the Boeing Company facility in Palmdale (where the Orbiters were assembled and upgraded) many items associated with the Program have been dispositioned for disposal, and some in fact have been demolished or scrapped. There are items that do remain and would have value for historical display purposes such as the Space Shuttle Crew Escape Vehicle capsule / sled, as well as the Orbiter Lifting Fixture (OLF). Please know that there is interest within communities in California in these items and other assets stored in Palmdale.

CSA urges NASA to work with communities and organizations in California, through its three centers and its contractor force, to identify and retain program assets that may be classified as potential artifacts and used for future display. We look forward to working with you and your staff on this important issue.

Respectfully,


The Honorable Andrea Seastrand
Executive Director

cc:

Kevin Petersen, Director, Dryden Flight Research Center
Dr. Charles Elachi, Director, Jet Propulsion Laboratory
Dr. Simon "Pete" Worden, Director, Ames Research Center
Gen. John Dailey, USMC (Ret.), Director, National Air and Space Museum

California Space Authority, Inc.

Administrative Office • 3201 Airpark Drive, Ste. 204, Santa Maria, CA 93456 • (805) 349-2833 office • (805) 349-2636 fax
Capital Office • 1107 Ninth Street, Ste. 1005, Sacramento, CA 95814 • (916) 551-1543 office • (916) 551-1579 fax
Los Angeles Office • 3858 Carson Street, Ste. 110, Torrance, CA 90503 • (310) 318-3271 office • (310) 543-8888 fax
Pasadena Office • 150 East Colorado Ste. 302, Pasadena, CA 91105 • (626) 440-0585 office • (626) 440-0586 fax
San Bernardino Office • 294 South Leland Norton Way, Ste. 3, San Bernardino, CA 92408 • (909) 382-7300
San Diego Office • 1870 Cordell Court, Ste. 202, El Cajon, CA 92020 • (619) 582-3400

www.californiaspaceauthority.org



DEPARTMENT OF THE AIR FORCE

NATIONAL MUSEUM OF THE UNITED STATES AIR FORCE
1100 SPAATZ STREET
WRIGHT PATTERSON AIR FORCE BASE OHIO 45433-7102

Susan Kinney
Director for Logistics
National Aeronautics and Space Administration
Headquarters
Mail Stop 4B60
300 E Street SW
Washington DC 20546

Dear Ms. Kinney

The NMUSAF is embarking upon a major program initiative to expand its current 1.2 million square feet of exhibit space by adding a new building devoted exclusively to presenting the story of the Air Force's significant involvement in space. Central to that story is the important relationship that developed between the USAF and NASA, especially with regard to the development of the space shuttle. The Air Force was deeply involved in determining the orbiters' design and capabilities, and many shuttle astronauts have been Air Force members. Eleven shuttle flights have been devoted exclusively to Department of Defense projects, and several Air Force experiments have flown on other flights. The USAF role in shuttle development and missions demonstrates the close connection between NASA and the Air Force. Placing a space shuttle orbiter on display at the National Museum would provide the ideal backdrop to this story.

The NMUSAF, like NASA, is a federal agency and as such is able to engage in the exchange of goods, services and resources with other agencies in support of its mission. With regard to a shuttle orbiter, this inter-agency relationship would allow NASA the ability to accomplish a direct agency to agency transfer of an orbiter in accordance with the Federal Management Regulation (FMR) 102-36.145 (see Attachment 3). In exchange, NMUSAF would be able to offer NASA a package of services that would considerably offset the costs associated with the transfer of one orbiter to NMUSAF as well as those linked with some of the longer term aspects of the shuttle program transition and retirement.

The NMUSAF is also keenly aware of the historical importance of artifacts associated with the Space Shuttle Program. The orbiter especially occupies an unparalleled place in the collective mind of the American public; the potential it has to draw large and diverse audiences will be considerable. Such a significant artifact provides a powerful foundation on which to build a wealth of exciting and fascinating stories.

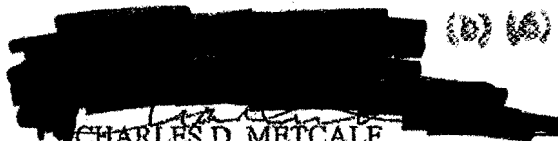
From a museum standpoint, NMUSAF is uniquely qualified to display and preserve an item as significant as a space shuttle orbiter *and* afford it a level of positive public exposure befitting its near-icon stature. We are the world's oldest and largest military aviation museum, centrally located in middle-America and host 1.3 million visitors annually from every state in the union and six continents. Our campus offers 1.2 million square feet of exhibit space featuring many Air Force and aviation icons from the Wright brothers' first military plane to the only B-2 Stealth Bomber on

public display. Our 140 foot tall Missile Hall houses six impressive missiles including a Titan I and II, a Jupiter and a newly installed Peacekeeper, as well as space for five more as their restoration is complete. Nearby visitors can also see a Mercury and Gemini spacecraft as well as the command module from the all Air Force Apollo 15 mission. Our soon to be constructed Space Gallery will allow us to expand the story of the Air Force in space and better illustrate its significant role in both manned and unmanned space programs. More than 100,000 school age children visit the NMUSAF to participate in history and science based education programs, all aligned with national and state (Ohio) curriculum standards. Many of these programs explore space and rocketry topics and emphasize the close and successful relationship between NASA and the USAF in exploring the new frontier. As a government funded museum NMUSAF is able to offer all this as well as a variety of special events, tours, lectures and other activities free to the visiting public.

An orbiter placed on exhibit at NMUSAF would serve as the centerpiece artifact within the Museum's new space gallery. This facility will feature a climate controlled environment and state of the art theatrical lighting that meets the most stringent museum conservation standard. Its exhibition will be designed and fabricated by NMUSAF's professionally trained exhibit team and researched and written by historians with specialties in aeronautics, space and technology. An experienced team of restoration professionals will be charged with maintaining the orbiter's long-term safety, security and fidelity and have the knowledge, equipment and resources at their disposal to ensure its preservation.

NMUSAF is deeply committed to bringing a space shuttle orbiter to Dayton, Ohio and placing it on public exhibition in its Space Gallery. To that end this proposal and the attached documents seek to outline the specific services NMUSAF is prepared to offer in exchange for an orbiter. We are confident that due consideration will be given not only to those services associated with the initial relocation of the orbiter but also to the significant long term benefits available for a shuttle located at NMUSAF. Together these two levels of services combine to form a package that make the National Museum of the United States Air Force a most attractive candidate for long term public display and preservation of this significant American aerospace artifact.

Sincerely

 (b) (6)

CHARLES D. METCALF
Maj Gen, USAF (Ret)
Director

Attachments:

1. NMUSAF services offered
2. NMUSAF's working assumptions
3. Statutory and instructional references
4. Image, NMUSAF campus

ATTACHMENT 1

SERVICES OFFERED BY NMUSAF IN EXCHANGE FOR A SHUTTLE ORBITER

NMUSAF recognizes that costs associated with the transition and retirement of Space Shuttle Program artifacts may be considerable. With this in mind NMUSAF proposes to offer NASA a two-tiered package of services in exchange for one shuttle orbiter and associated artifacts and hardware. First, we offer services associated with the physical transfer of an orbiter to the Museum. This would be a finite effort applied in exchange for one orbiter and would include the following:

1. Opportune airlift from KSC (or other appropriate location) to WPAFB, OH of equipment associated with de-mate of a NMUSAF designated orbiter and other space shuttle related artifacts.
2. Selected support equipment necessary for de-mate at WPAFB and towing to NMUSAF display site, including but not limited to: heavy cranes, forklifts, aerial work platforms, tugs, variable access stands, communication equipment, light banks.
3. Installation support and resources at WPAFB during ferry landing, de-mate and relocation to display site (military grade landing strip, ground support equipment and personnel, security).
4. Professional aircraft restoration personnel from NMUSAF - all with considerable aerospace vehicle maintenance experience.
5. Use of NMUSAF's Radiation Safety Officer (RSO) as needed to perform on-site radiation survey(s) of orbiter and associated equipment and mitigation of any radioactive components.

The hundreds of thousands of other non-orbiter Space Shuttle Program artifacts present an additional special challenge to NASA in terms of how to manage their long term storage, maintenance, access, and disposition. While committed to making these items available to appropriate recipients, a suitable mechanism for accomplishing this has not yet been determined. The most judicious and cost-effective solution would be to seek a pre-existing mechanism. To that end NMUSAF is also prepared to offer NASA a second tier of services to provide longer term management of Space Shuttle Program related items. These include:

6. Assistance with managing the loan of other Space Shuttle Program related artifacts to other museums. Such artifacts would be made available through NMUSAF's existing museum loan program which will guarantee only administratively and operationally sound museum candidates are considered, thereby ensuring the long term care and fidelity of the artifacts.
7. Management of T-38 aircraft associated with the Space Shuttle Program. These aircraft would be made available to other institutions as determined by NASA.
8. Interim warehousing of selected shuttle related artifacts and ground support equipment and material to be made available for loan to qualified museums. Items will be stored at the Aerospace Maintenance and Regeneration Center (AMARC), Davis-Monthan AFB, AZ.

ATTACHMENT 2

NMUSAF'S WORKING ASSUMPTIONS

NMUSAF readily acknowledges that accomplishing the transition of a space shuttle orbiter from working space vehicle to static display artifact is no small task. We quickly realized that making the orbiter safe for long term public display in an enclosed exhibit gallery (or "safeing" it) is the foremost issue to be considered. The vehicle contains a variety of hazardous materials, including hypergolics, pyrotechnics, fuels, propellants, and other fluids in quantities and configurations that are unique and complex. For these reasons NMUSAF feels it is imperative that shuttle program personnel at Kennedy Space Center (KSC) familiar with the shuttle's systems and their unique hazardous materials, take the lead in accomplishing a post- final flight safeing of the shuttle orbiter. This will include (but is not limited to):

- Removal and mitigation of space shuttle main engines (SSMEs), Orbital Maneuvering System (OMS), Forward Reaction Control System (FRCS) and the Dome Mounted Heat Shield (DMHS)
- Removal/disposal of hypergolics
- Removal of pyrotechnics
- Fluid system drain and safeing
- Removal of cryogenics
- Removal of other hazardous components

NMUSAF has also had the benefit of meeting with various NASA staff during on-site visits to both Johnson and Kennedy Space Centers. These, along with additional resource material and follow up conversations have enabled us to make better and more informed decisions about how we want to tell the story of the Air Force in space as well as the Air Force-NASA relationship. Acquiring an orbiter has always been and continues to be central to that story. To that end NMUSAF makes the following assumptions about the transport and final placement of an orbiter:

1. NASA personnel will prepare the orbiter in ferry flight configuration for transport to WPAFB, OH.
2. NASA personnel will ferry flight the orbiter to WPAFB, OH aboard a Shuttle Carrier Aircraft (SCA).
3. NASA personnel will serve as the leads for orbiter de-mating on site at WPAFB, OH. All operations associated with de-mating can be augmented by NMUSAF personnel as determined by the on-site NASA team.

4. NASA personnel will serve as leads for all operations associated with configuring the orbiter for towing from WPAFB, OH flight line to the appointed display site at NMUSAF. NMUSAF personnel may augment this effort as needed at the direction of the on-site NASA team.
5. NASA personnel will provide technical support to NMUSAF during towing from WPAFB flight line to NMUSAF display site

ATTACHMENT 3:

EXPLANATION OF STATUTORY REFERENCES REGARDING DIRECT TRANSFERS

41 FMR 102-36.145:

A federal agency can transfer excess personal property directly to another federal agency that has not yet been reported to GSA. Direct transfer procedures contained in the Federal Management Regulation (FMR) 102-36.145 allow these transfers under the following conditions:

- Excess personal property can be transferred directly between federal agencies without prior GSA approval provided the total acquisition cost of the excess personal property does not exceed \$10,000 per line item. In this situation, an SF122, Transfer Order - Excess Personal Property, must be completed for the direct transfer and must be signed by an authorized official of the receiving agency. A copy of the signed SF122 must be provided to the appropriate GSA office within 10 workdays from the date of the transaction.
- Excess personal property exceeding the \$10,000 per line item limitation may also be obtained provided that the appropriate GSA Personal Property Management Office is first contacted for verbal approval of a prearranged transfer. An SF122 must be prepared annotating the name of the GSA approving official and the date of the verbal approval. A copy of the completed SF122 must be provided to GSA within 10 workdays from the date of transaction.
- Agencies conducting direct transfers are subject to the requirement to pay reimbursement for the excess personal property under a direct transfer when any of the conditions in Federal Management Regulation 102-36.75(b) applies.
- Excess personal property may also be obtained directly from another federal agency without GSA approval when that federal agency has separate statutory authority to dispose of such excess personal property and the agency is an eligible recipient.

AIR FORCE POLICY DIRECTIVE 23-5, "Reusing and Disposing of Materiel" (2001)

4. Excess and surplus personal property will be made available to governmental agencies, foreign countries, and other nongovernmental activities, as authorized by Title 41, Code of Federal Regulations, Part 101-46, 10 U.S.C. 2194, 10 U.S.C. 2572, and 15 U.S.C. 3710(i).

Definitions:

Excess personal property: any personal property under the control of any federal agency that is no longer required for that agency's needs, as determined by the agency head or designee.

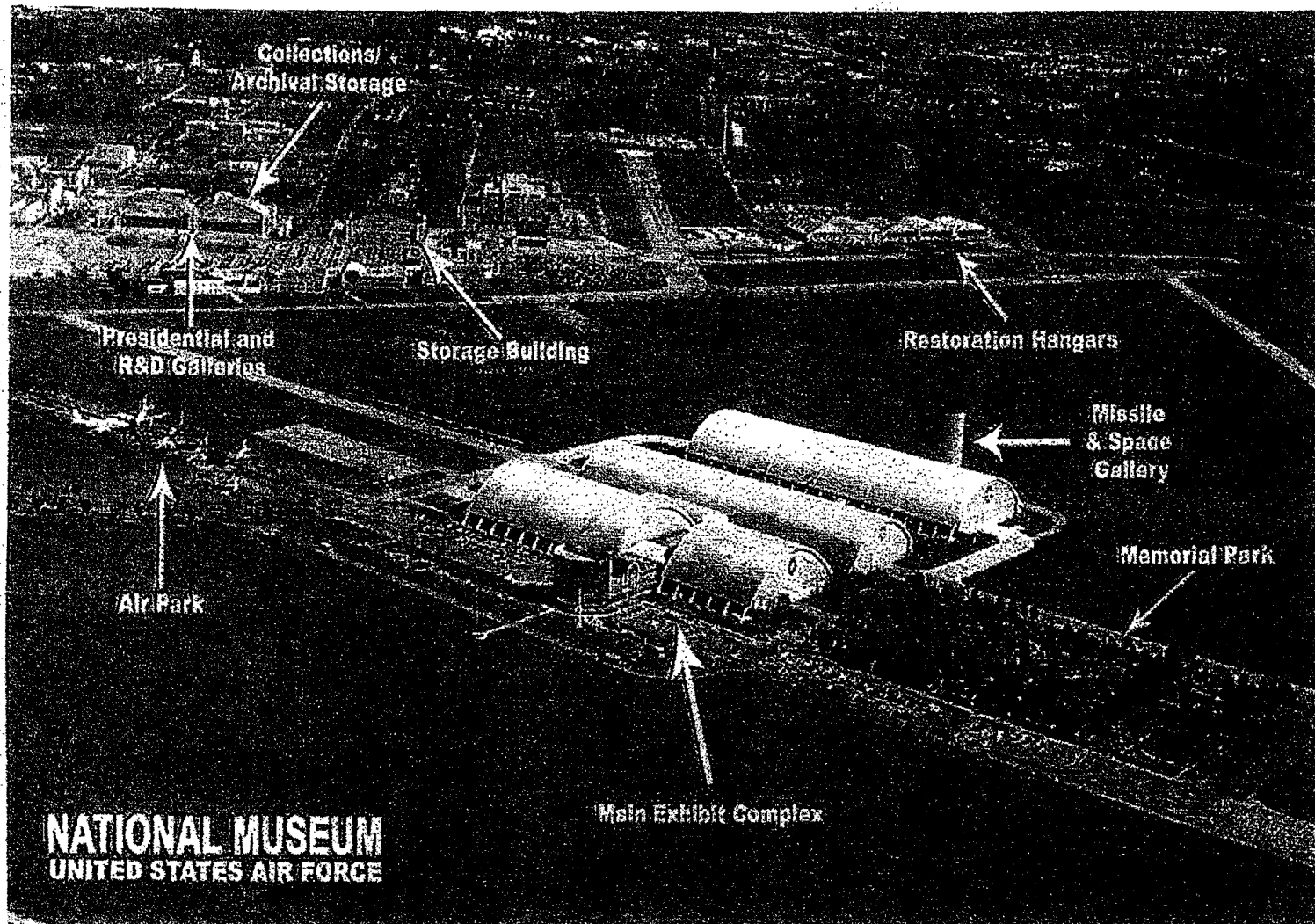
Executive agency: any executive department or independent establishment in the executive branch of the Government, including any wholly owned government corporation.

Federal agency: any executive agency or any establishment in the legislative or judicial branch of the government (except the Senate, the House of Representatives, and the Architect of the Capitol and any activities under his/her direction).

Personal property: means any property, except real property. For purposes of this part, the term excludes records of the federal government, and naval vessels of the following categories: battleships, cruisers, aircraft carriers, destroyers, and submarines.

ATTACHMENT 4

IMAGE OF NMUSAF CAMPUS





NASA Headquarters
NASA Administrator
Mr. Michael Griffin
300E St. SW

Washington, D.C.
USA

Trossingen, 13th April 2008

Dear Sir,

My name is Volker Neipp, I am the volunteer Director of the City Museum "Auberlehaus" in Trossingen, Germany. Trossingen is the Hometown of Dr. Eberhard Rees, who has been born here 100 years ago on 28th April 1908.

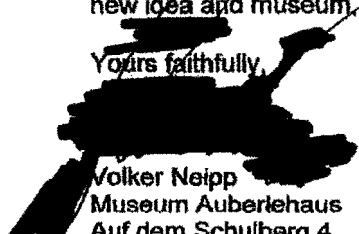
Previously, we have had an Exhibition in honour of Dr. Rees, the second Director of MSFC in Huntsville / Alabama and I wrote a Biography under the title: "With bolts and nuts to the moon". Now, the city of Trossingen is placing a memorial for Dr. Rees here in our city and we would be very interested in settling a Museum for Space here. Therefore I would like to ask you, if it could be possible to get your help. To introduce such a museum about the space history of the Apollo Program, one of the most important parts of the work of Dr. Rees, we need original artefacts to display them. It would be nearly impossible to bring a rocket like the Saturn V here to Germany, but maybe we could build an exhibition to show the strong relations between the USA and Germany or better: former Germans during the times of the space race. We have the opportunity to get a building with almost 2000 square meters for such a display and enough space outside – for example for a Space Shuttle, when it will be retired.

A/2008-00376

I would like to ask you for another favour. Can you write a short letter about the work of Dr. Rees for the NASA for his 100th birthday on April 28 2008? Next year there will be a musical performed about the life of Dr. Rees and the Rocket Team – It would be an honour in having you here in Trossingen for this very special moment. The world premier should be around of 10th July 2009.

I am looking forward to hear from you soon – and to cooperate in future for a very new idea and museum.

Yours faithfully,


Volker Neipp
Museum Aubertlehaus
Auf dem Schulberg 4
78647 Trossingen
Germany
volker.neipp@fokus-reisen.com

National Air and Space Museum
Historic Space Artifacts -- Future Acquisitions List
October 2000

Space Shuttle

Flown Orbiter, preferably OV-102 *Columbia*
Flown original orbiter cockpit instrumentation
Flown original orbiter seats (2)
Airlock hatches (flown or training)
Flown middeck equipment (galley, toilet, exercise equipment, etc.)
Flown Space Shuttle Main Engine (SSME)
Flown Solid Rocket Booster (SRB)
Shuttle SRB O-rings (pre- and post-*Challenger* accident)
A Shuttle flight deck simulator
Remote Manipulator System (RMS arm) or RMS simulator
Flown GAS can, MPESS, other payload structures/containers
Flown crew transfer tunnel (straight section)
Flown Shuttle EMU spacesuits (representative of evolving design)
Flown Shuttle Launch/Entry Suits (representative of evolving design)
Launch-Entry Suit worn by John Glenn on STS-95 in 1998
Flown Manned Maneuvering Unit (MMU)
Flown SAFER astronaut maneuvering unit
EVA tools, tethers, devices, flown or training
Flown clothing/personal equipment associated with particular astronauts
Unique flown payloads (scientific instruments, experiment specimens, etc.)
Recent crew items (food packets, personal hygiene items, etc.)
Commemorative flags and patches for selected missions
Flown IMAX camera
Air Data Probe flown on OV-101 *Enterprise*
Shuttle Quarter-Scale Engineering Test Model (orbiter, ET, SRBs)
Shuttle wind tunnel models

Spacelab

Flown Spacelab pallet
Flown or training versions of representative scientific instruments
Models of Spacelab mission configurations

Space Station

Concept models representative of design history
Lab or Hab module, node, truss (developmental, test, or training models)
EVA tools and devices
X-38 crew rescue vehicle (developmental, test, training, or flown models)

Mercury-Gemini-Apollo

Apollo 204 spacecraft
AX series hard suits

Rocketry

Delta rocket
Space Shuttle Main Engine (SSME)
Space Shuttle Solid Rocket Booster (SRB)
Space Shuttle OMS, RCS, and vernier rocket motors
"Star" solid-fuel motor/upper stage
Pegasus launch vehicle
X-33 vehicle (developmental or test model)
Early lifesaving rocket
Modern signal rockets
Recruit motor
VV-A-10 solid-fuel rocket
Rockoon
Festival (fireworks) rockets
SLR25-CW-1 rocket motor
Goddard motors and equipment
Soviet/Russian liquid-fuel rocket motors
Navaho project propulsion hardware
Satellite attitude control or spin motors
VfR German Rocket Society artifacts
Models or hardware, Soviet rocket motors from 1930's-40's
Kiwi program hardware (nuclear fission motors)
NERVA program hardware (nuclear fission motors)
Ion, laser, photon engines/experiment hardware
Hybrid motors
Aerospike engine
Rocket manufacturing tools, test equipment, jigs, etc.

Guidance, Navigation, Control

Minuteman, MX, or Titan launch console
Global Positioning System satellite & electronic subsystems

International Space Programs

Zenit or other Soviet reconnaissance satellite, equipment, instruments
Soviet/Russian crew return module (Soyuz or Vostok)
Soviet/Russian spacesuits (test models, flown suits)
Soviet/Russian life support systems, astronaut personal equipment, EVA tools
Soviet/Russian scientific devices, instruments, experiment specimens
Any computer hardware removed from Mir
Any hardware related to planned Chinese spaceflight
ESA Vulcan engine/Ariane 5 launch vehicle
ESA-ISS hardware

Space Science (Lunar & Planetary, Astronomical, Geophysical, Biological)

Clementine hardware
Wide Field/Planetary Camera from HST
Other HST instruments
Detectors across the spectrum (flown in space, prototypes, ground-based)
Biomedical instruments
Origins (Search for Life) instruments
Earth Observation instruments

Civilian Applications Satellites

TDRSS payloads
GNC instruments, 1960s-present
Hughes satellite simulation equipment
Communications receivers, 1960s-present
Satellite antennae, 1960s-present
Early Bird(Intelsat 1)
Intelsat IV
Intelsat V
Intelsat control center and ground station technology
Satellite testing and evaluation technology
1st generation LEO transmitter/receiver payload
Hughes Galaxy satellite
Hughes Leasat operations center technology
Hughes satellite operations center technology
Landsat instruments (thematic mapper, etc.)

Military Space Programs

Early warning satellite: MIDAS, SAMOS, DSP

Reconnaissance satellites and cameras: KH-7, KH-8, KH-9

Navigation, mapping, weather, communications satellite: MILSTAR

Weaponry: SAINT and BAMBI prototypes

Trident D-5 SLBM

Peacekeeper MX ICBM

MIRV warhead

Patriot ABM

Social and Cultural Artifacts

Rare Buck Rogers and Flash Gordon items

Items from TV space shows (Captain Video, Space Patrol, Star Trek, etc.)

Mercury-Gemini-Apollo and Shuttle toys, games, collectibles

Soviet/Russian popular culture items representing spacecraft, cosmonauts, etc.