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FOIA Number:

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# FOIA MARKER

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**Record Group/Collection:** George H.W. Bush Presidential Records  
**Collection/Office of Origin:** Speechwriting, White House Office of  
**Series:** Speech File Draft Files  
**Subseries:** Chron File, 1989-1993

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**OA/ID Number:** 13530  
**Folder ID Number:** 13530-010

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**Folder Title:**  
Texas A & I Commencement Address 5/11/90 [5374] [2]

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Stack:	Row:	Section:	Shelf:	Position:
<b>G</b>	<b>26</b>	<b>16</b>	<b>3</b>	<b>1</b>

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Document No. 138765

# WHITE HOUSE STAFFING MEMORANDUM

90 MAY 8 P6: 48

DATE: 05/07/90 ACTION/CONCURRENCE/COMMENT DUE BY: 4:00 p.m. Tuesday 05/08

SUBJECT: PRESIDENTIAL REMARKS: TEXAS A & I COMMENCEMENT, KINGSVILLE, TX  
(05/07 draft four)

	ACTION FYI			ACTION FYI	
VICE PRESIDENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	MCCLURE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SUNUNU	<input type="checkbox"/>	<input type="checkbox"/>	NEWMAN	<input type="checkbox"/>	<input type="checkbox"/>
SCOWCROFT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PORTER	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DARMAN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ROGICH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BATES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	UNTERMAYER	<input type="checkbox"/>	<input type="checkbox"/>
CARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ROGERS	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CICCONI	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>PINKERTON</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DEMAREST	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>WINSTON</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
FITZWATER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>ANDERSON</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GRAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>BROMLEY</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
HAGIN	<input type="checkbox"/>	<input type="checkbox"/>	<u>ALBRECHT</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

REMARKS:

Please provide any comments/recommendations directly to Chriss Winston by 4:00 p.m. on Tuesday, 05/08, with a copy to my office. Thanks.

RESPONSE:

*Please see comments*  
*5/8/90*

James W. Cicconi  
Assistant to the President  
and Deputy to the Chief of Staff  
Ext. 2702

Congressmen  
Kika de la Garza  
and  
Solomon Ortiz

McNally/Simon  
May 7, 1990  
Draft Four (TX-A&I)

1990 MAY -7 PH 7:33

[Invited]

and Lloyd  
Bentzen

PRESIDENTIAL REMARKS: TEXAS A. & I. COMMENCEMENT  
KINGSVILLE, TEXAS  
FRIDAY, MAY 11, 1990, 11:00 A.M.

Thank you, President Manuel Ibanez [[ee-BAHN-yez]], and good morning to you all. It's always a pleasure to be back in my home state of Texas. And it's always good to see Governor Clements, Senator <sup>PHI</sup> Gramm, and ~~several~~ distinguished members of our Texas congressional delegation. Congratulations also to the families and friends and faculty of these students -- and, most of all -- To the Texas A & I Class of 1990. \\\

in light of audience

? <sup>President Ibanez</sup> When ~~Manny~~ first contacted us about A & I's graduation, he called my son, George, Jr., and told him you wanted to hear a commencement address from a popular but aging Texan who has risen to the top of his field. And George said: "Does that mean you're inviting Nolan Ryan?" \\\

But I'm honored to be in the home of the legendary Javelinas [[hah-vuh-lee-NUHS]] -- the wild boars. And I'm deeply honored to be speaking from the hallowed space on the playing field usually reserved for "Perky." [[A & I's JAVELINA MASCOT]] \\\

But I haven't seen your mascot today. Guess he heard we keep Air Force One stocked with barbecued pork-rinds! \\\

Javelinas aren't the only wildlife native to these parts. The mesquite outside Kingsville is also shot through with rattlesnake and deer. Doves rise on the warm gulf winds, soaring over the palms and red-tiled roofs of Texas A & I. And South Texas is a special place for the Bush family. We come down this

✓  
visit with friends and go hunting ✓  
2  
way nearly every December to ~~hunt quail~~ just outside Beeville.

(But the reputation of the area is changing. When I told Barbara I was flying down to South Texas to talk with college students and see the wildlife, she said: "Aren't you getting a bit old to be going to South Padre for Spring Break?" ) \ \ \

Like springtime itself, college commencements signal a time of change. Last week, at Oklahoma State, I spoke about America's new leadership role in the Atlantic Alliance. Tomorrow morning, at South Carolina, we'll be talking about change among the people of Eastern Europe -- people yearning to emulate not only our standard of living -- but also our standard of justice.

And this bright Texas morning also provides a special opportunity to reflect on American leadership in a year of remarkable democratic change.

The American adventure has always had the capacity to inspire others -- and to astonish the world. The voyages of Columbus. The Declaration of Independence. The taming of a continent. The invention of flight. Century by century, the story of America has unfolded, and the world has looked to our shores for leadership and hope.

America's democracy is the world's greatest experiment in freedom and diversity, an ongoing experiment that continues to unleash the creative energies of the world's most diverse population. It is what took American pioneers to the Moon and back. It is what will take you as far as your dreams can soar.

Like the state it calls home, Texas A & I is also a place of

pioneers. The first four-year college in South Texas. A leader in bi-lingual education, with the first such doctoral program in the U.S. Home to research and innovations from natural gas engineering to snake venom to the Rio Red grapefruit we've enjoyed at the White House. And many of you are yourselves pioneers -- the first in your families ever to attend college.

Of course, Texas has always produced its share of pioneers and visionaries. One was Sam Houston. Where others saw empty plains and dust, he saw farms, and ranches, and towns. Where others saw obstacles, he saw opportunity.

But Houston could scarcely have imagined that, little more than a hundred years after his death, the entire planet would hold its breath as his name became the first word ever uttered on the plains and dust of another world.

It was July 20, 1969. And although Apollo 11 had just survived one of the most harrowing landings in the history of space, the voice of Neil Armstrong was confident, strong, American. He said: "Houston: Tranquility Base here. The Eagle has landed." Eight words. And the world was changed forever.

When America accepted the Apollo challenge, we rolled up our sleeves and took on a daunting and dangerous job. Apollo 11 proved we could meet our commitments to ourselves and to the world, lifting the spirits of a generation, and raising forever the horizons of the human race.

Today, America is still enjoying the dividends that flowed from Apollo's outpouring of new science and technology. That

4

far-sighted investment is one reason America's aerospace industry remains first in the world -- and last year produced a \$19 billion tide of black ink in our balance of trade.

Project Apollo also spurred a burst in technological education throughout the country. During that short decade, we tripled the number of graduating physical scientists, doubled the mathematicians, and more than doubled the engineers. The lesson history teaches us is that the benefits are there for those who dare to reach for them.

Last summer, in a speech commemorating the 20th anniversary of the Apollo Moon landing, I announced three major space policy objectives: First, to have Space Station Freedom up before the century is out. Second, for the new century, a permanent lunar base: "Back to the Moon, back to the future -- and this time -- back to stay." And third, a manned expedition to Mars.

Together, these objectives form the cornerstone of my Administration's far-reaching plan for investing in America's future. Our space program will rekindle public interest in science, and revitalize an area of our educational system that has become disturbingly weak. It will revolutionize everything from computers to communications, from medicine to metals, regaining and retaining America's high-tech competitive edge. It will create new technologies, new industries, and new jobs.

It's an adventure I hope many of you will be part of. And it's an adventure that's already underway.

5

The Space Shuttle program is back and ushering in a new era in space science. And it's led by a new generation of skilled professionals. Scientists like A & I Professor John Linder, who is working here to improve Shuttle communications. Shuttle engineers like Ruben Zavala, A & I Class of 1977, and avionics experts like Primitivo Perez, 1971. And new American heroes like Franklin Chang-Diaz, NASA's first Hispanic astronaut.

Last fall, Dr. Diaz helped put America back in space, part of the team that deployed the Galileo spacecraft on its 6-year journey to Jupiter. Galileo is the most complex robotic spacecraft ever built, and sails in the vanguard of a flotilla of exotic new craft now readying an assault on the ancient mysteries of the stars, the solar system, and our own planet Earth.

You are coming of age during a Golden Age of space science. And there's no better example of this than the miracle now orbiting 300 miles above Kingsville -- the Hubble Space Telescope. It will see to the furthest reaches of the universe, to the very edges of time. (It will, quite literally, even enable astronomers to see back in time -- perhaps far enough back to when the Dallas Cowboys last had a winning season!) \\\

And it's hoped that the telescope will see objects so clearly that, in theory, it could pick out the writing on a dime -- 100 miles away. \\\ Talk about the "Vision Thing!" \\\

And even while Galileo and Hubble begin looking out across the vast reaches of space -- another array of new satellites will be looking back at Earth -- and taking the pulse of the most

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important planet in the universe. (Do you remember a couple years back when Time magazine named Earth "Planet of the Year?" Comedian Jay Leno said: "What did you expect? All the judges came from Earth!") \\\

We call this initiative "Mission to Planet Earth." It's an effort of such magnitude, it dwarfs everything in the past -- a worldwide effort studying the complex interactions between the land, the sea, the ice, and the air -- as well as between the Earth and the Sun.

Initiatives like these mark a critical investment in America's future. They will help protect the environment, fuel an educational renaissance, and hone America's competitive edge.

But the importance of the space program -- especially the manned space program -- goes deeper than that. Throughout our history, America has been a nation of discoverers, founded on the spirit of exploration. In fact, Monday marks the day in 1804 when Thomas Jefferson dispatched the Lewis and Clark Expedition to map much of what was to become the great American West. Despite Jefferson's love of machines -- it's hard to imagine him sending a robot out alone to California to describe the wonders of Yosemite. In the American adventure, there will always be a place for brave men and women.

Lewis and Clark were the first pioneers of American government-financed exploration. The journey which began when they crossed the Mississippi -- in our time -- saw Americans land on the Moon. But today, we're no longer just asking for the

7

Moon. We've been there. We're looking further, to carry the American adventure beyond Earth, to wherever opportunity, curiosity, and need will take us.

It's time to open up the final frontier. There can be no turning back. America's space program is what civilization needs to begin this journey, and to perfect the commitment to go beyond.

Up beneath the dome of the United States Capitol -- where decisions about our space program will be made in the coming weeks -- the American story is told in stone, a tableau of U.S. history carved around the rim of the dome itself. It begins with Columbus' arrival in the New World -- and ends with the first flight of the Wright brothers' plane.

But they got it wrong. The Wright brothers flight doesn't mark the end of the American story -- but the beginning of a new chapter -- a neverending story -- a story about a democracy where no dream is too large, where anything is possible.

We live in a century that began with great promise and hope for America, then only beginning to assume its place on the world stage. That hope has been fulfilled -- and surpassed -- beyond the wildest dreams of our founders. And the promise of America -- the promise of free choices, free chances, and free ideas -- is beginning to be tasted by more people in more places than ever before. It is their inspiration. And it is our strength. Our heritage. And our future.

8

And so as this century closes, it is in our hands to determine the kind of nation, the kind of people, we will become in the next.

Around campfires, by moonlight and starlight across the ages, men and women have turned their gaze skyward and dreamed an ancient dream. And somewhere in America today, maybe here in this stadium, there is a young man or woman who, like Neil Armstrong, will seize this dream and change the world for all time. I believe, I truly believe, that the Class of '90 will leave footprints not only in the sands of Texas -- but also in the sands of time -- and ultimately on the plains of Mars.

You who have lived these past four years in Kingsville know a lot about the sky. The plains of South Texas are as flat as the sea -- a land without hills or impediments, a land of limitless horizons and dreams to match. It offers exactly the kind of night-time sky where the cream of America's youth -- the cream of Texas A and I -- can point confidently to the stars -- to eternity -- and to the future of themselves and this great Nation.

America is proud of you and the families you represent. Congratulations. Thank you. And God bless the United States.

# # #

WHITE HOUSE STAFFING MEMORANDUM

90 MAY 9 8:19

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RESPONSE:

*incl speech*  
*BUT this forgets the democracy theme from p. 3 on PA*

James W. Cicconi  
Assistant to the President  
and Deputy to the Chief of Staff  
Ext. 2702

1990 MAY -7 PM 7:33

McNally/Simon  
May 7, 1990  
Draft Four (TX-A&I)

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KINGSVILLE, TEXAS  
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# # #

**WHITE HOUSE STAFFING MEMORANDUM** ✓ 3644

90 MAY 9 A8:37

DATE: 05/07/90 ACTION/CONCURRENCE/COMMENT DUE BY: 4:00 p.m. Tuesday 05/08

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(05/07 draft four)

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**REMARKS:**

Please provide any comments/recommendations directly to Chriss Winston by 4:00 p.m. on Tuesday, 05/08, with a copy to my office. Thanks.

**RESPONSE:**

May 9, 1990

TO: CHRISS WINSTON

NSC clears the Presidential remarks for the Texas A&I commencement, Kingsville, Texas.

  
Brent Scowcroft

cc: James W. Cicconi

**James W. Cicconi**  
Assistant to the President  
and Deputy to the Chief of Staff  
Ext. 2702

RECEIVED

90 MAY 8 A10:07

90 MAY 8 08:31

1990 MAY -7 PM 7: 33

McNally/Simon  
May 7, 1990  
Draft Four (TX-A&I)

PRESIDENTIAL REMARKS: TEXAS A. & I. COMMENCEMENT  
KINGSVILLE, TEXAS  
FRIDAY, MAY 11, 1990, 11:00 A.M.

Thank you, President Manuel Ibanez [[ee-BAHN-yez]], and good morning to you all. **It's always a pleasure to be back in my home state of Texas.** \\ And it's always good to see Governor Clements, Senator Gramm, and so many distinguished members of our Texas congressional delegation. Congratulations also to the families and friends and faculty of these students -- and, most of all -- To the Texas A & I Class of 1990. \\

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But I haven't seen your mascot today. **Guess he heard we keep Air Force One stocked with barbecued pork-rinds!** \\

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*Antidote?*

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Moon. We've been there. We're looking further, to carry the American adventure beyond Earth, to wherever opportunity, curiosity, and need will take us.

It's time to open up the final frontier. There can be no turning back. America's space program is what civilization needs to begin this journey, and to perfect the commitment to go beyond.

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But they got it wrong. The Wright brothers flight doesn't mark the end of the American story -- but the beginning of a new chapter -- a neverending story -- a story about a democracy where no dream is too large, where anything is possible.

We live in a century that began with great promise and hope for America, then only beginning to assume its place on the world stage. That hope has been fulfilled -- and surpassed -- beyond the wildest dreams of our founders. And the promise of America -- the promise of free choices, free chances, and free ideas -- is beginning to be tasted by more people in more places than ever before. It is their inspiration. And it is our strength. Our heritage. And our future.

And so as this century closes, it is in our hands to determine the kind of nation, the kind of people, we will become in the next.

Around campfires, by moonlight and starlight across the ages, men and women have turned their gaze skyward and dreamed an ancient dream. And somewhere in America today, maybe here in this stadium, there is a young man or woman who, like Neil Armstrong, will seize this dream and change the world for all time. I believe, I truly believe, that the Class of '90 will leave footprints not only in the sands of Texas -- but also in the sands of time -- and ultimately on the plains of Mars.

You who have lived these past four years in Kingsville know a lot about the sky. The plains of South Texas are as flat as the sea -- a land without hills or impediments, a land of limitless horizons and dreams to match. It offers exactly the kind of night-time sky where the cream of America's youth -- the cream of Texas A and I -- can point confidently to the stars -- to eternity -- and to the future of themselves and this great Nation.

America is proud of you and the families you represent. Congratulations. Thank you. And God bless the United States.

# # #

A nice line and a good metaphor. All should know that if it is to be literally true it ~~would~~ be a 50 year old astronaut doing the walking.

# WHITE HOUSE STAFFING MEMORANDUM

DATE: 05/07/90 ACTION/CONCURRENCE/COMMENT DUE BY: 4:00 p.m. Tuesday 05/08

SUBJECT: PRESIDENTIAL REMARKS: TEXAS A & I COMMENCEMENT, KINGSVILLE, TX  
(05/07 draft four)

	ACTION FYI			ACTION FYI	
VICE PRESIDENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	MCCLURE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SUNUNU	<input type="checkbox"/>	<input type="checkbox"/>	NEWMAN	<input type="checkbox"/>	<input type="checkbox"/>
SCOWCROFT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PORTER	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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CICCONI	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>PINKERTON</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DEMAREST	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>WINSTON</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
FITZWATER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>ANDERSON</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GRAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>BROMLEY</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
HAGIN	<input type="checkbox"/>	<input type="checkbox"/>	<u>ALBRECHT</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**REMARKS:**

Please provide any comments/recommendations directly to Chriss Winston by 4:00 p.m. on Tuesday, 05/08, with a copy to my office. Thanks.

**RESPONSE:**

90 MAY 8 4:24 PM

James W. Cicconi  
Assistant to the President  
and Deputy to the Chief of Staff  
Ext. 2702

1990 MAY -7 PM 7:33

McNally/Simon  
May 7, 1990  
Draft Four (TX-A&I)

PRESIDENTIAL REMARKS: TEXAS A. & I. COMMENCEMENT  
KINGSVILLE, TEXAS  
FRIDAY, MAY 11, 1990, 11:00 A.M.

Thank you, President Manuel Ibanez [[ee-BAHN-yez]], and good morning to you all. It's always a pleasure to be back in my home state of Texas. \\ And it's always good to see Governor Clements, Senator Gramm, and so many distinguished members of our Texas congressional delegation. Congratulations also to the families and friends and faculty of these students -- and, most of all -- To the Texas A & I Class of 1990. \\

When Manny first contacted us about A & I's graduation, he called my son, George, Jr., and told him you wanted to hear a commencement address from a popular but aging Texan who has risen to the top of his field. And George said: "Does that mean you're inviting Nolan Ryan?" \\

But I'm honored to be in the home of the legendary Javelinas [[hah-vuh-lee-NUHS]] -- the wild boars. And I'm deeply honored to be speaking from the hallowed space on the playing field usually reserved for "Porky." [[A & I's JAVELINA MASCOT]] \\

But I haven't seen your mascot today. Guess he heard we keep Air Force One stocked with barbecued pork-rinds! \\

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(05/07 draft four)

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CARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ROGERS	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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FITZWATER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ANDERSON	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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RESPONSE:  
*Chriss -  
no comments -  
Des*

90 MAY 8 PM 8:22

James W. Cicconi  
Assistant to the President  
and Deputy to the Chief of Staff  
Ext. 2702

McNally/Simon  
May 7, 1990  
Draft Four (TX-A&I)

1990 MAY -7 PM 7:33

PRESIDENTIAL REMARKS: TEXAS A. & I. COMMENCEMENT  
KINGSVILLE, TEXAS  
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We call this initiative "Mission to Planet Earth." It's an effort of such magnitude, it dwarfs everything in the past -- a worldwide effort studying the complex interactions between the land, the sea, the ice, and the air -- as well as between the Earth and the Sun.

Initiatives like these mark a critical investment in America's future. They will help protect the environment, fuel an educational renaissance, and hone America's competitive edge.

But the importance of the space program -- especially the manned space program -- goes deeper than that. Throughout our history, America has been a nation of discoverers, founded on the spirit of exploration. In fact, Monday marks the day in 1804 when Thomas Jefferson dispatched the Lewis and Clark Expedition to map much of what was to become the great American West. Despite Jefferson's love of machines -- it's hard to imagine him sending a robot out alone to California to describe the wonders of Yosemite. In the American adventure, there will always be a place for brave men and women.

Lewis and Clark were the first pioneers of American government-financed exploration. The journey which began when they crossed the Mississippi -- in our time -- saw Americans land on the Moon. But today, we're no longer just asking for the

Moon. We've been there. We're looking further, to carry the American adventure beyond Earth, to wherever opportunity, curiosity, and need will take us.

It's time to open up the final frontier. There can be no turning back. America's space program is what civilization needs to begin this journey, and to perfect the commitment to go beyond.

Up beneath the dome of the United States Capitol -- where decisions about our space program will be made in the coming weeks -- the American story is told in stone, a tableau of U.S. history carved around the rim of the dome itself. It begins with Columbus' arrival in the New World -- and ends with the first flight of the Wright brothers' plane.

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We live in a century that began with great promise and hope for America, then only beginning to assume its place on the world stage. That hope has been fulfilled -- and surpassed -- beyond the wildest dreams of our founders. And the promise of America -- the promise of free choices, free chances, and free ideas -- is beginning to be tasted by more people in more places than ever before. It is their inspiration. And it is our strength. Our heritage. And our future.

And so as this century closes, it is in our hands to determine the kind of nation, the kind of people, we will become in the next.

Around campfires, by moonlight and starlight across the ages, men and women have turned their gaze skyward and dreamed an ancient dream. And somewhere in America today, maybe here in this stadium, there is a young man or woman who, like Neil Armstrong, will seize this dream and change the world for all time. I believe, I truly believe, that the Class of '90 will leave footprints not only in the sands of Texas -- but also in the sands of time -- and ultimately on the plains of Mars.

You who have lived these past four years in Kingsville know a lot about the sky. The plains of South Texas are as flat as the sea -- a land without hills or impediments, a land of limitless horizons and dreams to match. It offers exactly the kind of night-time sky where the cream of America's youth -- the cream of Texas A and I -- can point confidently to the stars -- to eternity -- and to the future of themselves and this great Nation.

America is proud of you and the families you represent. Congratulations. Thank you. And God bless the United States.

# # #

# WHITE HOUSE STAFFING MEMORANDUM

DATE: 05/07/90 ACTION/CONCURRENCE/COMMENT DUE BY: 4:00 p.m. Tuesday 05/08

SUBJECT: PRESIDENTIAL REMARKS: TEXAS A & I COMMENCEMENT, KINGSVILLE, TX  
(05/07 draft four)

	ACTION FYI			ACTION FYI	
VICE PRESIDENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	MCCLURE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SUNUNU	<input type="checkbox"/>	<input type="checkbox"/>	NEWMAN	<input type="checkbox"/>	<input type="checkbox"/>
SCOWCROFT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PORTER	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DARMAN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ROGICH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BATES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	UNTERMAYER	<input type="checkbox"/>	<input type="checkbox"/>
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DEMAREST	<input checked="" type="checkbox"/>	<input type="checkbox"/>	WINSTON	<input type="checkbox"/>	<input checked="" type="checkbox"/>
FITZWATER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ANDERSON	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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REMARKS:  
Please provide any comments/recommendations directly to Chriss Winston by 4:00 p.m. on Tuesday, 05/08, with a copy to my office. Thanks.

RESPONSE:  
SEE COMMENTS. THANKS.  
HOLLY WILLIAMSON  
5-8-90

60 : 4 P 8 MAY 06

*(John reviewing)*  
*NASA / CAVAZOS*  
*(not in)*  
James W. Cicconi  
Assistant to the President  
and Deputy to the Chief of Staff  
Ext. 2702

1990 MAY -7 PM 7:33

McNally/Simon  
May 7, 1990  
Draft Four (TX-A&I)

PRESIDENTIAL REMARKS: TEXAS A. & I. COMMENCEMENT  
KINGSVILLE, TEXAS  
FRIDAY, MAY 11, 1990, 11:00 A.M.

Thank you, President Manuel Ibanez [[ee-BAHN-yez]], and good morning to you all. **It's always a pleasure to be back in my home**

**state of Texas.** \\\ And it's always good to see **Governor** *Secretary Cavazos*, *Whose hometown this is,* *elements,* Senator Gramm, and so many distinguished members of our Texas congressional delegation. Congratulations also to the **families** and **friends** and **faculty** of these students -- and, most of all -- **To the Texas A & I Class of 1990.** \\\ *Dept. of Education*  
*Says Gov. Clements will not be there.*

When Manny first contacted us about A & I's graduation, he called my son, George, Jr., and told him you wanted to hear a commencement address from a popular but aging Texan who has risen to the top of his field. And George said: "Does that mean you're inviting **Nolan Ryan?**" \\\

But I'm honored to be in the home of the legendary Javelinas [[hah-vuh-lee-NUHS]] -- the wild *hogs,* ~~bears.~~ And I'm **deeply** honored to be speaking from the hallowed space on the playing field usually reserved for "**Porky.**" [[A & I's JAVELINA MASCOT]] \\\ *per Chino*  
*Chapa (Chief of staff)*  
*for Sec. Cavazos*

But I haven't seen your mascot today. **Guess he heard we keep Air Force One stocked with barbecued pork-rinds!** \\\

Javelinas aren't the only wildlife native to these parts. The mesquite outside Kingsville is also shot through with rattlesnake and deer. Doves rise on the warm gulf winds, soaring over the palms and red-tiled roofs of Texas A & I. And South Texas is a special place for the Bush family. We come down this

way nearly every December to hunt quail just outside Beeville.

(But the reputation of the area is changing. When I told Barbara I was flying down to South Texas to talk with college students and see the wildlife, she said: "Aren't you getting a bit old to be going to South Padre for Spring Break?") \\\

Like springtime itself, college commencements signal a time of change. Last week, at Oklahoma State, I spoke about America's new leadership role in the Atlantic Alliance. Tomorrow morning, at South Carolina, we'll be talking about change among the people of Eastern Europe -- people yearning to emulate not only our standard of living -- but also our standard of justice.

And this bright Texas morning also provides a special opportunity to reflect on American leadership in a year of remarkable democratic change.

The American adventure has always had the capacity to inspire others -- and to astonish the world. The voyages of Columbus. The Declaration of Independence. The taming of a continent. The invention of flight. **Century by century, the story of America has unfolded, and the world has looked to our shores for leadership and hope.**

America's democracy is the world's greatest experiment in freedom and diversity, an ongoing experiment that continues to unleash the creative energies of the world's most diverse population. It is what took American pioneers to the Moon and back. It is what will take you as far as your dreams can soar.

Like the state it calls home, Texas A & I is also a place of

pioneers. The first four-year college in South Texas. A leader in bi-lingual education, with the first such doctoral program in the U.S. Home to research and innovations from natural gas engineering to snake venom to the Rio Red grapefruit we've enjoyed at the White House. And many of you are yourselves pioneers -- the first in your families ever to attend college.

Of course, Texas has always produced its share of pioneers and visionaries. One was Sam Houston. Where others saw empty plains and dust, he saw farms, and ranches, and towns. Where others saw obstacles, he saw opportunity.

But Houston could scarcely have imagined that, little more than a hundred years after his death, the entire planet would hold its breath as his name became the first word ever uttered on the plains and dust of another world.

It was July 20, 1969. And although Apollo 11 had just survived one of the most harrowing landings in the history of space, the voice of Neil Armstrong was confident, strong, American. He said: "Houston: Tranquility Base here. The Eagle has landed." Eight words. And the world was changed forever.

When America accepted the Apollo challenge, we rolled up our sleeves and took on a daunting and dangerous job. Apollo 11 proved we could meet our commitments to ourselves and to the world, lifting the spirits of a generation, and raising forever the horizons of the human race.

Today, America is still enjoying the dividends that flowed from Apollo's outpouring of new science and technology. That

far-sighted investment is one reason America's aerospace industry remains first in the world -- and last year produced a \$19 billion tide of black ink in our balance of trade.

Project Apollo also spurred a burst in technological education throughout the country. During that short decade, we tripled the number of graduating physical scientists, doubled the mathematicians, and more than doubled the engineers. **The lesson history teaches us is that the benefits are there for those who dare to reach for them.**

Last summer, in a speech commemorating the 20th anniversary of the Apollo Moon landing, I announced three major space policy objectives: First, to have Space Station Freedom up before the century is out. Second, for the new century, a permanent lunar base: "Back to the Moon, back to the future -- and this time -- back to stay." And third, a manned expedition to Mars.

Together, these objectives form the cornerstone of my Administration's far-reaching plan for investing in America's future. Our space program will rekindle public interest in science, and revitalize an area of our educational system that has become disturbingly weak. \*It will revolutionize everything from computers to communications, from medicine to metals, regaining and retaining America's high-tech competitive edge. It will create new technologies, new industries, and new jobs.

It's an adventure I hope many of you will be part of. And it's an adventure that's already underway.

\* In fact one of the goals <sup>the governors and I</sup> agreed to in January <sup>for the United States</sup> is to be first in math + science by <sup>the</sup> year 2000. ✓

The Space Shuttle program is back and ushering in a new era in space science. And it's led by a new generation of skilled professionals. Scientists like A & I Professor John Linder, who is working here to improve Shuttle communications. Shuttle engineers like Ruben Zavala, A & I Class of 1977, and avionics experts like Primitivo Perez, 1971. And new American heroes like Franklin Chang-Diaz, NASA's first Hispanic astronaut.

Last fall, Dr. <sup>Chang-</sup>A Diaz helped put America back in space, part of the team that deployed the Galileo spacecraft on its 6-year journey to Jupiter. Galileo is the most complex robotic spacecraft ever built, and sails in the vanguard of a flotilla of exotic new craft now readying an assault on the ancient mysteries of the stars, the solar system, and our own planet Earth.

✓ NASA:  
(His name is Dr. Chang-Diaz)

You are coming of age during a Golden Age of space science. And there's no better example of this than the miracle now orbiting 300 miles above Kingsville -- the Hubble Space Telescope. It will see to the furthest reaches of the universe, to the very edges of time. (It will, quite literally, even enable astronomers to see back in time -- perhaps far enough back to when the Dallas Cowboys last had a winning season!) \\\

And it's hoped that the telescope will see objects so clearly that, in theory, it could pick out the writing on a dime -- 100 miles away. \\\ Talk about the "Vision Thing!" \\\

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NASA:  
unclear  
on  
fris.

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# # #

Also - NASA has a great story about Jefferson & Lewis & Clark. (If not for this speech, maybe a later one) -- ie - Jefferson spending a large amount of money - estimated \$2500 actual \$30,000.  
If you want it, please call me - Holly W. 26630.

# WHITE HOUSE STAFFING MEMORANDUM



DATE: 05/07/90 ACTION/CONCURRENCE/COMMENT DUE BY: 4:00 p.m. Tuesday 05/08

SUBJECT: PRESIDENTIAL REMARKS: TEXAS A & I COMMENCEMENT, KINGSVILLE, TX  
(05/07 draft four)

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REMARKS:

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RESPONSE:

*See suggestions on pp. 4-6  
Steve Olson for DAB  
1:30 m 5/8/90*

90 MAY 8 8 11 39

James W. Cicconi  
Assistant to the President  
and Deputy to the Chief of Staff  
Ext. 2702

1990 MAY -7 PM 7:33

McNally/Simon  
May 7, 1990  
Draft Four (TX-A&I)

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KINGSVILLE, TEXAS  
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Thank you, President Manuel Ibanez [[ee-BAHN-yez]], and good morning to you all. It's always a pleasure to be back in my home state of Texas. \\ And it's always good to see Governor Clements, Senator Gramm, and so many distinguished members of our Texas congressional delegation. Congratulations also to the families and friends and faculty of these students -- and, most of all -- To the Texas A & I Class of 1990. \\

When Manny first contacted us about A & I's graduation, he called my son, George, Jr., and told him you wanted to hear a commencement address from a popular but aging Texan who has risen to the top of his field. And George said: "Does that mean you're inviting Nolan Ryan?" \\

But I'm honored to be in the home of the legendary Javelinas [[hah-vuh-lee-NUHS]] -- the wild boars. And I'm deeply honored to be speaking from the hallowed space on the playing field usually reserved for "Porky." [[A & I's JAVELINA MASCOT]] \\

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Would like to allude to 1st in math and science goal.

There are other important components, too.

Would be less controversial to  
scientists if "science" were  
deleted.

5

The Space Shuttle program is back and ushering in a new era in space [science.] And it's led by a new generation of skilled professionals. Scientists like A & I Professor John Linder, who is working here to improve Shuttle communications. Shuttle engineers like Ruben Zavala, A & I Class of 1977, and avionics experts like Primitivo Perez, 1971. And new American heroes like Franklin Chang-Diaz, NASA's first Hispanic astronaut.

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	ACTION FYI			ACTION FYI	
VICE PRESIDENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	MCCLURE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SUNUNU	<input type="checkbox"/>	<input type="checkbox"/>	NEWMAN	<input type="checkbox"/>	<input type="checkbox"/>
SCOWCROFT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PORTER	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DARMAN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ROGICH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BATES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	UNTERMAYER	<input type="checkbox"/>	<input type="checkbox"/>
CARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ROGERS	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CICCONI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PINKERTON	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DEMAREST	<input checked="" type="checkbox"/>	<input type="checkbox"/>	WINSTON	<input type="checkbox"/>	<input checked="" type="checkbox"/>
FITZWATER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ANDERSON	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GRAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BROMLEY	<input checked="" type="checkbox"/>	<input type="checkbox"/>
HAGIN	<input type="checkbox"/>	<input type="checkbox"/>	ALBRECHT	<input checked="" type="checkbox"/>	<input type="checkbox"/>

REMARKS:

Please provide any comments/recommendations directly to Chriss Winston by 4:00 p.m. on Tuesday, 05/08, with a copy to my office. Thanks.

RESPONSE:

*6:27 PM*  
Chriss/Ed: One minor edit. Good language here. Overall, I'd urge that we strengthen the tie between the text and the themes of democracy and American leadership. The heart of the speech lays out our space goals quite well, but the sole missing element is why we, a democracy, choose to embark on a space program. Purposes, goals are different than in the age of monarchy -- movement into space is more akin to the settling of the frontier, etc. My other ramblings on this are via phone conversation with Ed. Willing to brainstorm further if it will help. Thanks *JWZ*  
 James W. Cicconi  
 Assistant to the President  
 and Deputy to the Chief of Staff  
 Ext. 2702  
 5-8-90

1990 MAY -7 PM 7:33

McNally/Simon  
May 7, 1990  
Draft Four (TX-A&I)

PRESIDENTIAL REMARKS: TEXAS A. & I. COMMENCEMENT  
KINGSVILLE, TEXAS  
FRIDAY, MAY 11, 1990, 11:00 A.M.

Thank you, President Manuel Ibanez [[ee-BAHN-yez]], and good morning to you all. It's always a pleasure to be back in my home state of Texas. \\ And it's always good to see Governor Clements, Senator Gramm, and so many distinguished members of our Texas congressional delegation. Congratulations also to the families and friends and faculty of these students -- and, most of all -- To the Texas A & I Class of 1990. \\

When Manny first contacted us about A & I's graduation, he called my son, George, Jr., and told him you wanted to hear a commencement address from a popular but aging Texan who has risen to the top of his field. And George said: "Does that mean you're inviting Nolan Ryan?" \\

But I'm honored to be in the home of the legendary Javelinas [[hah-vuh-lee-NUHS]] -- the wild boars. And I'm deeply honored to be speaking from the hallowed space on the playing field usually reserved for "Porky." [[A & I's JAVELINA MASCOT]] \\

But I haven't seen your mascot today. Guess he heard we keep Air Force One stocked with barbecued pork-rinds! \\

Javelinas aren't the only wildlife native to these parts. The mesquite outside Kingsville is also shot through with rattlesnake and deer. Doves rise on the warm gulf winds, soaring over the palms and red-tiled roofs of Texas A & I. And South Texas is a special place for the Bush family. We come down this

way nearly every December to hunt quail just outside Beeville.

(But the reputation of the area is changing. When I told Barbara I was flying down to South Texas to talk with college students and see the wildlife, she said: "Aren't you getting a bit old to be going to South Padre for Spring Break?" ) \\

Like springtime itself, college commencements signal a time of change. Last week, at Oklahoma State, I spoke about America's new leadership role in the Atlantic Alliance. Tomorrow morning, at South Carolina, we'll be talking about change among the people of Eastern Europe -- people yearning to emulate not only our standard of living -- but also our standard of justice.

And this bright Texas morning also provides a special opportunity to reflect on American leadership in a year of remarkable democratic change.

The American adventure has always had the capacity to inspire others -- and to astonish the world. The voyages of Columbus. The Declaration of Independence. The taming of a continent. The invention of flight. **Century by century, the story of America has unfolded, and the world has looked to our shores for leadership and hope.**

America's democracy is the world's greatest experiment in freedom and diversity, an ongoing experiment that continues to unleash the creative energies of the world's most diverse population. It is what took American pioneers to the Moon and back. It is what will take you as far as your dreams can soar.

Like the state it calls home, Texas A & I is also a place of

pioneers. The first four-year college in South Texas. A leader in bi-lingual education, with the first such doctoral program in the U.S. Home to research and innovations from natural gas engineering to snake venom to the Rio Red grapefruit we've enjoyed at the White House. And many of you are yourselves pioneers -- the first in your families ever to attend college.

Of course, Texas has always produced its share of pioneers and visionaries. One was Sam Houston. Where others saw empty plains and dust, he saw farms, and ranches, and towns. Where others saw obstacles, he saw opportunity.

But Houston could scarcely have imagined that, little more than a hundred years after his death, the entire planet would hold its breath as his name became the first word ever uttered on the plains and dust of another world.

It was July 20, 1969. And although Apollo 11 had just survived one of the most harrowing landings in the history of space, the voice of Neil Armstrong was confident, strong, American. He said: "Houston: Tranquility Base here. The Eagle has landed." Eight words. And the world was changed forever.

When America accepted the Apollo challenge, we rolled up our sleeves and took on a daunting and dangerous job. Apollo 11 proved we could meet our commitments to ourselves and to the world, lifting the spirits of a generation, and raising forever the horizons of the human race.

Today, America is still enjoying the dividends that flowed from Apollo's outpouring of new science and technology. That

far-sighted investment is one reason America's aerospace industry remains first in the world -- and last year produced a \$19 billion tide of black ink in our balance of trade.

Project Apollo also spurred a burst in technological education throughout the country. During that short decade, we tripled the number of graduating physical scientists, doubled the mathematicians, and more than doubled the engineers. **The lesson history teaches us is that the benefits are there for those who dare to reach for them.**

Last summer, in a speech commemorating the 20th anniversary of the Apollo Moon landing, I announced three major space policy objectives: First, to have Space Station Freedom up before the century is out. Second, for the new century, a permanent lunar base: "Back to the Moon, back to the future -- and this time -- back to stay." And third, a manned expedition to Mars.

Together, these objectives form the cornerstone of my Administration's far-reaching plan for investing in America's future. Our space program will rekindle public interest in science, and revitalize an area of our educational system that has become disturbingly weak. It will revolutionize everything from computers to communications, from medicine to metals, regaining and retaining America's high-tech competitive edge. It will create new technologies, new industries, and new jobs.

It's an adventure I hope many of you will be part of. And it's an adventure that's already underway.

The Space Shuttle program is back and ushering in a new era in space science. And it's led by a new generation of skilled professionals. Scientists like A & I Professor John Linder, who is working here to improve Shuttle communications. Shuttle engineers like Ruben Zavala, A & I Class of 1977, and avionics experts like Primitivo Perez, 1971. And new American heroes like Franklin Chang-Diaz, NASA's first Hispanic astronaut.

Last fall, Dr. Diaz helped put America back in space, part of the team that deployed the Galileo spacecraft on its 6-year journey to Jupiter. Galileo is the most complex robotic spacecraft ever built, and sails in the vanguard of a flotilla of exotic new craft now readying an assault on the ancient mysteries of the stars, the solar system, and our own planet Earth.

You are coming of age during a Golden Age of space science. And there's no better example of this than the miracle now orbiting 300 miles above Kingsville -- the Hubble Space Telescope. It will see to the furthest reaches of the universe, to the very edges of time. (It will, quite literally, even enable astronomers to see back in time -- perhaps far enough back to when the Dallas Cowboys last had a winning season!) \\\

And it's hoped that the telescope will see objects so clearly that, in theory, it could pick out the writing on a dime -- 100 miles away. \\\ Talk about the "Vision Thing!" \\\

And even while Galileo and Hubble begin looking out across the vast reaches of space -- another array of new satellites will be looking back at Earth -- and taking the pulse of the most

important planet in the universe. (Do you remember a couple years back when Time magazine named Earth "Planet of the Year?" Comedian Jay Leno said: "What did you expect? All the judges came from Earth!") \\\

We call this initiative "Mission to Planet Earth." It's an effort of such magnitude, it dwarfs everything in the past -- a worldwide effort studying the complex interactions between the land, the sea, the ice, and the air -- as well as between the Earth and the Sun.

Initiatives like these mark a critical investment in America's future. They will help protect the environment, fuel an educational renaissance, and hone America's competitive edge.

But the importance of the space program -- especially the manned space program -- goes deeper than that. Throughout our history, America has been a nation of discoverers, founded on the spirit of exploration. In fact, Monday marks the day in 1804 when Thomas Jefferson dispatched the Lewis and Clark Expedition to map much of what was to become the great American West. Despite Jefferson's love of machines -- it's hard to imagine him sending a robot out alone to California to describe the wonders of Yosemite. In the American adventure, there will always be a place for brave men and women.

Lewis and Clark were the first pioneers of American government-financed exploration. The journey which began when they crossed the Mississippi, -- in our time -- saw Americans land on the Moon. But today, we're no longer just asking for the

awkward placement

Moon. We've been there. We're looking further, to carry the American adventure beyond Earth, to wherever opportunity, curiosity, and need will take us.

It's time to open up the final frontier. There can be no turning back. America's space program is what civilization needs to begin this journey, and to perfect the commitment to go beyond.

Up beneath the dome of the United States Capitol -- where decisions about our space program will be made in the coming weeks -- the American story is told in stone, a tableau of U.S. history carved around the rim of the dome itself. It begins with Columbus' arrival in the New World -- and ends with the first flight of the Wright brothers' plane.

But they got it wrong. The Wright brothers flight doesn't mark the end of the American story -- but the beginning of a new chapter -- a neverending story -- a story about a democracy where no dream is too large, where anything is possible.

We live in a century that began with great promise and hope for America, then only beginning to assume its place on the world stage. That hope has been fulfilled -- and surpassed -- beyond the wildest dreams of our founders. And the promise of America -- the promise of free choices, free chances, and free ideas -- is beginning to be tasted by more people in more places than ever before. It is their inspiration. And it is our strength. Our heritage. And our future.

And so as this century closes, it is in our hands to determine the kind of nation, the kind of people, we will become in the next.

Around campfires, by moonlight and starlight across the ages, men and women have turned their gaze skyward and dreamed an ancient dream. And somewhere in America today, maybe here in this stadium, there is a young man or woman who, like Neil Armstrong, will seize this dream and change the world for all time. I believe, I truly believe, that the Class of '90 will leave footprints not only in the sands of Texas -- but also in the sands of time -- and ultimately on the plains of Mars.

You who have lived these past four years in Kingsville know a lot about the sky. The plains of South Texas are as flat as the sea -- a land without hills or impediments, a land of limitless horizons and dreams to match. It offers exactly the kind of night-time sky where the cream of America's youth -- the cream of Texas A and I -- can point confidently to the stars -- to eternity -- and to the future of themselves and this great Nation.

America is proud of you and the families you represent. Congratulations. Thank you. And God bless the United States.

# # #

McNally/Simon  
May 10, 1990  
Draft Seven (TX-A&I)

PRESIDENTIAL REMARKS: TEXAS A. & I. COMMENCEMENT  
KINGSVILLE, TEXAS  
FRIDAY, MAY 11, 1990, 11:00 A.M.

Thank you, Bill. President Ibanez [ee-BAHN-yez]. Governor Clements, Senators Gramm and Bentsen, Congressmen Ortiz and de la Garza. It's always a pleasure to be back in my home state of Texas -- and in the hometown of three outstanding members of my team: Education Secretary Lauro Cavazos. My photographer David Valdez. And Texas A & I's own Tony Armendariz. \\\

Congratulations also to the families, friends and faculty of these students, and most of all -- the Texas A & I Class of 1990.

When President Ibanez<sup>ee-BAHN-yez</sup> first contacted us about A & I's graduation, he called my son, George, Jr., up at Texas<sup>o</sup> Rangers Stadium, and said that you wanted to hear a speech from a popular but aging Texan who has risen to the top of his field. George said: "Does that mean you're inviting Nolan Ryan?" \\\

But I'm honored to be in the home of the legendary Javelinas [[hav-uh-LEE-nuhs]] -- the wild hogs. And I'm deeply honored to be speaking from the hallowed space on the playing field usually reserved for "Porky." \\\

But I haven't seen your mascot today. Guess he heard we keep Air Force One stocked with barbecued pork-rinds! \\\

Javelinas aren't the only wildlife native to these parts. The mesquite outside Kingsville is also shot through with rattlesnake and deer. Doves rise on the warm gulf winds, soaring over the palms and red-tile roofs of Texas A & I. And South Texas is

a special place for the Bush family. We come down nearly every December to visit friends and hunt just outside Beeville -- Berclair, to be exact. When I was an 18-year-old Naval Aviation cadet way back in 1943, I flew all over this country, and I loved it.

(But the reputation of the area is changing. When I told Barbara I was flying down to South Texas to talk with college students and see the wildlife, she said: "Aren't you getting a bit old to be going to South Padre for Spring Break?" ) \\\

Like springtime itself, college commencements signal a time of change. Last week, at Oklahoma State, I spoke about America's new leadership role in the Atlantic Alliance. Tomorrow morning, at South Carolina, we'll be talking about change among the people of Eastern Europe -- people yearning to emulate not only our standard of living -- but also our standard of justice. \\\

But democracy isn't just the wave of the present -- it's the wave of the future. And as your generation assumes a leadership role in a free world that's growing bigger all the time -- others will continue to look to our shores for leadership and direction. I have proposed that one of those directions be space. \\\

The American adventure has always had the capacity to inspire others -- and to astonish the world. The voyages of Columbus. The Declaration of Independence. The taming of a continent. The invention of flight. \\\

America's democracy is the world's greatest experiment in freedom and diversity, an ongoing experiment that continues to

unleash the creative energies of the world's most diverse population. It is what took American pioneers to the Moon and back. It is what will take you as far as your dreams can soar.

Like Texas itself, A & I is also a place of pioneers. The first four-year college in South Texas. A leader in bilingual education, with the first such doctoral program in the U.S. Home to research and innovations from natural gas engineering to snake venom to the Rio Star grapefruit. And many of you are yourselves pioneers -- the first in your families ever to attend college.

In America's unique democratic heritage, our pioneers were not appointed by kings. Our pioneers appointed themselves -- and took off! We are a searching people, future-oriented, impelled to push on. After graduating college I took my family west, looking for a country to test ourselves and our dreams. We found it in Texas, with enough opportunities to last many lifetimes.

Of course, Texas has always had its share of pioneers and visionaries. One was Sam Houston. Where others saw empty plains and dust, he saw farms, and ranches, and towns. Where others saw obstacles, he saw opportunity.

But Houston could scarcely have imagined that, little more than a hundred years after his death, the entire planet would hold its breath as his name became the first word ever uttered on the plains and dust of another world. \\\

It was July 20, 1969. And although Apollo 11 had just survived one of the most harrowing landings in the history of space, the voice of Neil Armstrong was confident, strong,

American. He said: "Houston: Tranquility Base here. The Eagle has landed." Eight words. And the world was changed forever.

When America accepted the Apollo challenge, we rolled up our sleeves and took on a daunting and dangerous job. Apollo 11 showed we could meet our commitments to ourselves and to the world -- proof that democracy could triumph as decisively in peace as it had in war. It lifted the spirits of a generation, and raised forever the horizons of the human race.

Last summer, in a speech commemorating the 20th anniversary of the Apollo Moon landing, I announced three major space policy objectives: First, to have Space Station Freedom up before the century is out. Second, for the new century, a permanent lunar base: "Back to the Moon, back to the future -- and this time -- back to stay." And third, a manned expedition to Mars. \\\

Together, these objectives form the cornerstone of my Administration's far-reaching plan for investing in America's future. Our space program will help rekindle public interest in science and mathematics, and revitalize an area of our educational system that has become disturbingly weak. In fact, one of the education goals we announced in January is to make the United States first in math and science by the year 2000. But our space program will do more. It will revolutionize everything from computers to communications, from medicine to metals, regaining and retaining America's high-tech competitive edge. It will create new technologies, new industries, and new jobs.

It's an adventure I hope many of you will be part of. And it's an adventure that's already underway. \\

The Space Shuttle is back and ushering in a new era in space. And it's led by a talented new generation. Scientists like A & I Professor John Linder, who is working here to improve Shuttle communications. Shuttle engineers like Ruben Zavala, A & I Class of 1977, and avionics experts like Primitivo [prim-a-TEE-vo] Perez, Class of 1971. And new American heroes like Franklin Chang-Diaz, NASA's first Hispanic astronaut.

You are coming of age during a Golden Age of space. And there's no better example of this than the miracle now orbiting 380 miles above Kingsville -- the Hubble Space Telescope. It will see to the furthest reaches of the universe, to the very edges of time. (It will, quite literally, even enable astronomers to see back in time -- perhaps far enough back to when the Dallas Cowboys last had a winning season!) \\

And it's hoped that the telescope will see objects so clearly that, in theory, it could pick out the writing on a dime -- 100 miles away. \\ Talk about the "Vision Thing!" \\

And even while Galileo and Hubble begin looking out across space -- another array of new satellites will be looking back at Earth -- and taking the pulse of the most important planet in the universe. (You may remember a couple years back when Time magazine named Earth "Planet of the Year." Comedian Jay Leno said: "What did you expect? All the judges came from Earth!")

We call this initiative "Mission to Planet Earth." It's an

effort of such magnitude, it dwarfs everything in the past -- a worldwide study of the complex interactions between land, sea, ice and air -- as well as between the Earth and the Sun. It's an effort of global interest, in which we're inviting other nations to join. As Chairman of the National Space Council, the Vice President has just returned from Europe, where our allies expressed serious interest in both Mission to Planet Earth and in our continuing exploration of the Solar System.

**Initiatives like these mark a critical investment in America's future. They will help protect the environment, fuel an educational renaissance, and hone America's competitive edge.**

But the importance of the space program -- especially the manned space program -- goes deeper than that. Throughout our history, America has been a nation of discoverers. It is part of our national character -- part of our democratic heritage. In fact, Monday marks the day in 1804 when Meriwether Lewis and William Clark set out across the Mississippi to map much of what was to become the great American West. Despite Thomas Jefferson's love of machines -- it's hard to imagine his sending a robot out alone to describe the wonders of the American Rockies and the Pacific coast. In the American experiment -- in the experiment called democracy -- there will always be a place for individual men and women with imagination and daring.

**Our nation's quest for the unknown took American pioneers from the bluffs of the Mississippi to the mountains of the Moon. But today, we're no longer just asking for the Moon. We've been**

there. We're looking further, to carry the American adventure to wherever opportunity, curiosity, and need will take us.

**It's time to open up the final frontier. There can be no turning back.** America's space program is what civilization needs to begin this journey, and to perfect the commitment to go beyond. Each time we go to the frontier and beyond, we bring back more than we hoped for. This time we have the chance to bring back more than we can imagine.

Our 1991 budget is proof positive of America's commitment to an active, exciting and continuing presence in space -- to America's leadership in space. Our budget proposes \$15.2 billion for NASA, an increase of 24 percent -- almost \$3 billion -- which is the largest increase for any major agency of the government.

**But leadership in space takes more than just dollars. It also takes a decision. And I'm announcing one today.**

We stand at a halfway point in our exploration of the immediate solar system -- the planet Earth, its Moon, and the terrestrial neighborhood. 30 years ago, NASA was founded and the space race began. And 30 years from now -- I believe Man will stand on another planet. And so I am pleased to return to Texas today to announce a new Age of Exploration, with not only a goal but also a timetable: I believe that before Apollo celebrates the 50th anniversary of its landing on the moon -- the American flag should be planted on Mars. \\\

Up beneath the dome of the United States Capitol -- where decisions about our space program will be made in the coming

weeks -- the American adventure is told in stone, a tableau of U.S. history carved around the rim of the dome itself. It begins with Columbus' arrival in the New World -- and ends with the first flight of the Wright brothers' plane.

But they got it wrong. The Wright brothers flight doesn't mark the end of the American adventure -- but the beginning of a new chapter -- a neverending story -- a story about a democracy where anything is possible, and where no dream is too large.

We live in a century that began with great promise and hope for the idea we call democracy, then only beginning to assume an important place on the world stage. That hope has been fulfilled -- and surpassed -- beyond the wildest dreams of our founders. And the promise of democracy is beginning to be tasted by more people in more places than ever before. It is their inspiration. And it is our strength. Our heritage. And our future. \\\

And so as this century closes, it is in America's hands to help determine the kind of people, the kind of planet, we will become in the next. We will leave the Solar System and travel to the stars. Not only because it is democracy's dream. But because it is democracy's destiny. \\\

Around campfires, by moonlight and starlight across the ages, men and women have turned their gaze skyward and dreamed an ancient dream. And somewhere in America today, maybe here in this stadium, there is a young man or woman who, like Neil Armstrong, will seize this dream and change the world for all time. I believe, I truly believe, that the Class of '90 will

leave footprints not only in the sands of Texas -- but also in the sands of time -- and ultimately on the plains of Mars. \\

You who have lived these past four years in Kingsville know a lot about the sky. The plains of South Texas are as flat as the sea -- a land without hills or impediments, a land of limitless horizons and dreams to match. It is exactly the kind of night-time sky where the cream of America's youth -- the cream of Texas A and I -- can point confidently to the stars -- to eternity -- and to their own future, the future of this great Nation, and the future of free people everywhere. \\

America is proud of you and your families. Congratulations. Thank you. And God bless the United States of America.

# # #

TEXAS A. & I. COMMENCEMENT  
KINGSVILLE, TEXAS  
FRIDAY, MAY 11, 1990, 11:00 A.M.

THANK YOU, SECRETARY CAVAZOS. PRESIDENT IBANEZ  
[EE-BAHN-YEZ]. GOVERNOR CLEMENTS, SENATORS GRAMM AND  
BENTSEN, CONGRESSMEN ORTIZ AND DE LA GARZA. MY FRIEND  
BILL MACKENZIE. IT'S ALWAYS A PLEASURE TO BE BACK IN  
MY HOME STATE OF TEXAS.

CONGRATULATIONS ALSO TO THE FAMILIES, FRIENDS AND  
FACULTY OF THESE STUDENTS, AND MOST OF ALL -- THE TEXAS  
A & I CLASS OF 1990.

WHEN PRESIDENT IBANEZ [EE-BAHN-YEZ] FIRST  
CONTACTED US ABOUT A & I'S GRADUATION, HE CALLED MY  
SON, GEORGE, JR., UP AT TEXAS RANGERS STADIUM, AND SAID  
THAT YOU WANTED TO HEAR A SPEECH FROM A POPULAR BUT  
AGING TEXAN WHO HAS RISEN TO THE TOP OF HIS FIELD.  
GEORGE SAID: "DOES THAT MEAN YOU'RE INVITING NOLAN  
RYAN?" \\\

BUT I'M HONORED TO BE IN THE HOME OF THE LEGENDARY  
JAVELINAS [[HAV-UH-LEE-NUHS]] -- THE WILD HOGS. AND  
I'M DEEPLY HONORED TO BE SPEAKING FROM THE HALLOWED  
SPACE ON THE PLAYING FIELD USUALLY RESERVED FOR  
"PORKY." \\\

BUT I HAVEN'T SEEN YOUR MASCOT TODAY. GUESS HE  
HEARD WE KEEP AIR FORCE ONE STOCKED WITH BARBECUED  
PORK-RINDS! \\\

JAVELINAS AREN'T THE ONLY WILDLIFE NATIVE TO THESE  
PARTS. THE MESQUITE OUTSIDE KINGSVILLE IS ALSO SHOT  
THROUGH WITH RATTLE-SNAKE AND DEER. DOVES RISE ON THE  
WARM GULF WINDS, SOARING OVER THE PALMS AND RED-TILE  
ROOFS OF TEXAS A & I. AND SOUTH TEXAS IS A SPECIAL  
PLACE FOR THE BUSH FAMILY. WE COME DOWN NEARLY EVERY  
DECEMBER TO VISIT FRIENDS AND HUNT JUST OUTSIDE  
BEEVILLE -- BERCLAIR, TO BE EXACT. WHEN I WAS AN 18-  
YEAR-OLD NAVAL AVIATION CADET WAY BACK IN 1943, I FLEW  
ALL OVER THIS COUNTRY, AND I LOVED IT.

(BUT THE REPUTATION OF THE AREA IS CHANGING. WHEN I TOLD BARBARA I WAS FLYING DOWN TO SOUTH TEXAS TO TALK WITH COLLEGE STUDENTS AND SEE THE WILDLIFE, SHE SAID: "AREN'T YOU GETTING A BIT OLD TO BE GOING TO SOUTH PADRE FOR SPRING BREAK?" ) \ \ \

LIKE SPRINGTIME ITSELF, COLLEGE COMMENCEMENTS SIGNAL A TIME OF CHANGE. LAST WEEK, AT OKLAHOMA STATE, I SPOKE ABOUT AMERICA'S NEW LEADERSHIP ROLE IN THE ATLANTIC ALLIANCE. TOMORROW MORNING, AT SOUTH CAROLINA, WE'LL BE TALKING ABOUT CHANGE AMONG THE PEOPLE OF EASTERN EUROPE -- PEOPLE YEARNING TO EMULATE NOT ONLY OUR STANDARD OF LIVING -- BUT ALSO OUR STANDARD OF JUSTICE. \ \ \

BUT DEMOCRACY ISN'T JUST THE WAVE OF THE PRESENT -- IT'S THE WAVE OF THE FUTURE. AND AS YOUR GENERATION ASSUMES A LEADERSHIP ROLE IN A FREE WORLD THAT'S GROWING BIGGER ALL THE TIME -- OTHERS WILL CONTINUE TO LOOK TO OUR SHORES FOR LEADERSHIP AND DIRECTION. I HAVE PROPOSED THAT ONE OF THOSE DIRECTIONS BE SPACE. \ \ \

THE AMERICAN ADVENTURE HAS ALWAYS HAD THE CAPACITY  
TO INSPIRE OTHERS -- AND TO ASTONISH THE WORLD. THE  
VOYAGES OF COLUMBUS. THE DECLARATION OF INDEPENDENCE.  
THE TAMING OF A CONTINENT. THE INVENTION OF FLIGHT.

\\

AMERICA'S DEMOCRACY IS THE WORLD'S GREATEST  
EXPERIMENT IN FREEDOM AND DIVERSITY, AN ONGOING  
EXPERIMENT THAT CONTINUES TO UNLEASH THE CREATIVE  
ENERGIES OF THE WORLD'S MOST DIVERSE POPULATION. IT IS  
WHAT TOOK AMERICAN PIONEERS TO THE MOON AND BACK. IT  
IS WHAT WILL TAKE YOU AS FAR AS YOUR DREAMS CAN SOAR.

LIKE TEXAS ITSELF, A & I IS ALSO A PLACE OF  
PIONEERS. THE FIRST FOUR-YEAR COLLEGE IN SOUTH TEXAS.  
A LEADER IN BILINGUAL EDUCATION, WITH THE FIRST SUCH  
DOCTORAL PROGRAM IN THE U.S. HOME TO RESEARCH AND  
INNOVATIONS FROM NATURAL GAS ENGINEERING TO SNAKE VENOM  
TO THE RIO STAR GRAPEFRUIT. AND MANY OF YOU ARE  
YOURSELVES PIONEERS -- THE FIRST IN YOUR FAMILIES EVER  
TO ATTEND COLLEGE.

IN AMERICA'S UNIQUE DEMOCRATIC HERITAGE, OUR  
PIONEERS WERE NOT COMMISSIONED BY KINGS. OUR PIONEERS  
COMMISSIONED THEMSELVES -- AND TOOK OFF! WE ARE A  
SEARCHING PEOPLE, FUTURE-ORIENTED, IMPELLED TO PUSH ON.  
AFTER GRADUATING COLLEGE I TOOK MY FAMILY WEST, LOOKING  
FOR A COUNTRY TO TEST OURSELVES AND OUR DREAMS. WE  
FOUND IT IN TEXAS, WITH ENOUGH OPPORTUNITIES TO LAST  
MANY LIFETIMES.

OF COURSE, TEXAS HAS ALWAYS HAD ITS SHARE OF  
PIONEERS AND VISIONARIES. ONE WAS SAM HOUSTON. WHERE  
OTHERS SAW EMPTY PLAINS AND DUST, HE SAW FARMS, AND  
RANCHES, AND TOWNS. WHERE OTHERS SAW OBSTACLES, HE SAW  
OPPORTUNITY.

BUT HOUSTON COULD SCARCELY HAVE IMAGINED THAT,  
LITTLE MORE THAN A HUNDRED YEARS AFTER HIS DEATH, THE  
ENTIRE PLANET WOULD HOLD ITS BREATH AS HIS NAME BECAME  
THE FIRST WORD EVER UTTERED ON THE PLAINS AND DUST OF  
ANOTHER WORLD. \ \ \

IT WAS JULY 20, 1969. AND ALTHOUGH APOLLO 11 HAD JUST SURVIVED ONE OF THE MOST HARROWING LANDINGS IN THE HISTORY OF SPACE, THE VOICE OF NEIL ARMSTRONG WAS CONFIDENT, STRONG, AMERICAN. HE SAID: "HOUSTON: TRANQUILITY BASE HERE. THE EAGLE HAS LANDED." EIGHT WORDS. AND THE WORLD WAS CHANGED FOREVER.

WHEN AMERICA ACCEPTED THE APOLLO CHALLENGE, WE ROLLED UP OUR SLEEVES AND TOOK ON A DAUNTING AND DANGEROUS JOB. APOLLO 11 SHOWED WE COULD MEET OUR COMMITMENTS TO OURSELVES AND TO THE WORLD -- PROOF THAT DEMOCRACY COULD TRIUMPH AS DECISIVELY IN PEACE AS IT HAD IN WAR. IT LIFTED THE SPIRITS OF A GENERATION, AND RAISED FOREVER THE HORIZONS OF THE HUMAN RACE.

LAST SUMMER, IN A SPEECH COMMEMORATING THE 20TH ANNIVERSARY OF THE APOLLO MOON LANDING, I ANNOUNCED THREE MAJOR SPACE POLICY OBJECTIVES: FIRST, TO HAVE SPACE STATION FREEDOM UP BEFORE THE CENTURY IS OUT. SECOND, FOR THE NEW CENTURY, A PERMANENT LUNAR BASE: "BACK TO THE MOON, BACK TO THE FUTURE -- AND THIS TIME -- BACK TO STAY." AND THIRD, A MANNED EXPEDITION TO MARS. \\\

TOGETHER, THESE OBJECTIVES FORM THE CORNERSTONE OF MY ADMINISTRATION'S FAR-REACHING PLAN FOR INVESTING IN AMERICA'S FUTURE. OUR SPACE PROGRAM WILL HELP REKINDLE PUBLIC INTEREST IN SCIENCE AND MATHEMATICS, AND REVITALIZE AN AREA OF OUR EDUCATIONAL SYSTEM THAT HAS BECOME DISTURBINGLY WEAK. IN FACT, ONE OF THE EDUCATION GOALS WE ANNOUNCED IN JANUARY IS TO MAKE THE UNITED STATES FIRST IN MATH AND SCIENCE BY THE YEAR 2000. BUT OUR SPACE PROGRAM WILL DO MORE. IT WILL REVOLUTIONIZE EVERYTHING FROM COMPUTERS TO COMMUNICATIONS, FROM MEDICINE TO METALS, REGAINING AND RETAINING AMERICA'S HIGH-TECH COMPETITIVE EDGE. IT WILL CREATE NEW TECHNOLOGIES, NEW INDUSTRIES, AND NEW JOBS.

IT'S AN ADVENTURE I HOPE MANY OF YOU WILL BE PART OF. AND IT'S AN ADVENTURE THAT'S ALREADY UNDERWAY. \\\

THE SPACE SHUTTLE IS BACK AND USHERING IN A NEW ERA IN SPACE. AND IT'S LED BY A TALENTED NEW GENERATION. SCIENTISTS LIKE A & I PROFESSOR JOHN LINDER, WHO IS WORKING HERE TO IMPROVE SHUTTLE COMMUNICATIONS. SHUTTLE ENGINEERS LIKE RUBEN ZAVALA, A & I CLASS OF 1977, AND AVIONICS EXPERTS LIKE PRIMITIVO [PRIM-A-TEE-vo] PEREZ, CLASS OF 1971. AND NEW AMERICAN HEROES LIKE FRANKLIN CHANG-DIAZ, NASA'S FIRST HISPANIC ASTRONAUT.

YOU ARE COMING OF AGE DURING A GOLDEN AGE OF SPACE. AND THERE'S NO BETTER EXAMPLE OF THIS THAN THE MIRACLE NOW ORBITING 380 MILES ABOVE KINGSVILLE -- THE HUBBLE SPACE TELESCOPE. IT WILL SEE TO THE FURTHEST REACHES OF THE UNIVERSE, TO THE VERY EDGES OF TIME. (IT WILL, QUITE LITERALLY, EVEN ENABLE ASTRONOMERS TO SEE BACK IN TIME -- PERHAPS FAR ENOUGH BACK TO WHEN THE DALLAS COWBOYS LAST HAD A WINNING SEASON!) \\\

AND IT'S HOPED THAT THE TELESCOPE WILL SEE OBJECTS SO CLEARLY THAT, IN THEORY, IT COULD PICK OUT THE WRITING ON A DIME -- 100 MILES AWAY. \\\ TALK ABOUT THE "VISION THING!" \\\

AND EVEN WHILE GALILEO AND HUBBLE BEGIN LOOKING OUT ACROSS SPACE -- ANOTHER ARRAY OF NEW SATELLITES WILL BE LOOKING BACK AT EARTH -- AND TAKING THE PULSE OF THE MOST IMPORTANT PLANET IN THE UNIVERSE. (YOU MAY REMEMBER A COUPLE YEARS BACK WHEN TIME MAGAZINE NAMED EARTH "PLANET OF THE YEAR." COMEDIAN JAY LENO SAID: "WHAT DID YOU EXPECT? ALL THE JUDGES CAME FROM EARTH!")

WE CALL THIS INITIATIVE "MISSION TO PLANET EARTH." IT'S AN EFFORT OF SUCH MAGNITUDE, IT DWARFS EVERYTHING IN THE PAST -- A WORLDWIDE STUDY OF THE COMPLEX INTERACTIONS BETWEEN LAND, SEA, ICE AND AIR -- AS WELL AS BETWEEN THE EARTH AND THE SUN. IT'S AN EFFORT OF GLOBAL INTEREST, IN WHICH WE'RE INVITING OTHER NATIONS TO JOIN. AS CHAIRMAN OF THE NATIONAL SPACE COUNCIL, THE VICE PRESIDENT HAS JUST RETURNED FROM EUROPE, WHERE OUR ALLIES EXPRESSED SERIOUS INTEREST IN BOTH MISSION TO PLANET EARTH AND IN OUR CONTINUING EXPLORATION OF THE SOLAR SYSTEM.

INITIATIVES LIKE THESE MARK A CRITICAL INVESTMENT IN AMERICA'S FUTURE. THEY WILL HELP PROTECT THE ENVIRONMENT, FUEL AN EDUCATIONAL RENAISSANCE, AND HONE AMERICA'S COMPETITIVE EDGE.

BUT THE IMPORTANCE OF THE SPACE PROGRAM -- ESPECIALLY THE MANNED SPACE PROGRAM -- GOES DEEPER THAN THAT. THROUGHOUT OUR HISTORY, AMERICA HAS BEEN A NATION OF DISCOVERERS. IT IS PART OF OUR NATIONAL CHARACTER -- PART OF OUR DEMOCRATIC HERITAGE. IN FACT, MONDAY MARKS THE DAY IN 1804 WHEN MERIWETHER LEWIS AND WILLIAM CLARK SET OUT ACROSS THE MISSISSIPPI TO MAP MUCH OF WHAT WAS TO BECOME THE GREAT AMERICAN WEST. DESPITE THOMAS JEFFERSON'S LOVE OF MACHINES -- IT'S HARD TO IMAGINE HIS SENDING A ROBOT OUT ALONE TO DESCRIBE THE WONDERS OF THE AMERICAN ROCKIES AND THE PACIFIC COAST. IN THE AMERICAN EXPERIMENT -- IN THE EXPERIMENT CALLED DEMOCRACY -- THERE WILL ALWAYS BE A PLACE FOR INDIVIDUAL MEN AND WOMEN WITH IMAGINATION AND DARING.

OUR NATION'S QUEST FOR THE UNKNOWN TOOK AMERICAN PIONEERS FROM THE BLUFFS OF THE MISSISSIPPI TO THE MOUNTAINS OF THE MOON. BUT TODAY, WE'RE NO LONGER JUST ASKING FOR THE MOON. WE'VE BEEN THERE. WE'RE LOOKING FURTHER, TO CARRY THE AMERICAN ADVENTURE TO WHEREVER OPPORTUNITY, CURIOSITY, AND NEED WILL TAKE US.

IT'S TIME TO OPEN UP THE FINAL FRONTIER. THERE CAN BE NO TURNING BACK. AMERICA'S SPACE PROGRAM IS WHAT CIVILIZATION NEEDS TO BEGIN THIS JOURNEY, AND TO PERFECT THE COMMITMENT TO GO BEYOND. EACH TIME WE GO TO THE FRONTIER AND BEYOND, WE BRING BACK MORE THAN WE HOPED FOR. THIS TIME WE HAVE THE CHANCE TO BRING BACK MORE THAN WE CAN IMAGINE.

OUR 1991 BUDGET IS PROOF POSITIVE OF AMERICA'S COMMITMENT TO AN ACTIVE, EXCITING AND CONTINUING PRESENCE IN SPACE -- TO AMERICA'S LEADERSHIP IN SPACE. OUR BUDGET PROPOSES \$15.2 BILLION FOR NASA, AN INCREASE OF 24 PERCENT -- ALMOST \$3 BILLION -- WHICH IS THE LARGEST INCREASE FOR ANY MAJOR AGENCY OF THE GOVERNMENT.

**BUT LEADERSHIP IN SPACE TAKES MORE THAN JUST  
DOLLARS. IT ALSO TAKES A DECISION. AND I'M ANNOUNCING  
ONE TODAY.**

**WE STAND AT A HALFWAY POINT IN OUR EXPLORATION OF  
THE IMMEDIATE SOLAR SYSTEM -- THE PLANET EARTH, ITS  
MOON, AND THE TERRESTRIAL NEIGHBORHOOD. 30 YEARS AGO,  
NASA WAS FOUNDED AND THE SPACE RACE BEGAN. AND 30  
YEARS FROM NOW -- I BELIEVE MAN WILL STAND ON ANOTHER  
PLANET. AND SO I AM PLEASED TO RETURN TO TEXAS TODAY  
TO ANNOUNCE A NEW AGE OF EXPLORATION, WITH NOT ONLY A  
GOAL BUT ALSO A TIMETABLE: I BELIEVE THAT BEFORE  
APOLLO CELEBRATES THE 50TH ANNIVERSARY OF ITS LANDING  
ON THE MOON -- THE AMERICAN FLAG SHOULD BE PLANTED ON  
MARS. \\\**

**UP BENEATH THE DOME OF THE UNITED STATES CAPITOL  
-- WHERE DECISIONS ABOUT OUR SPACE PROGRAM WILL BE MADE  
IN THE COMING WEEKS -- THE AMERICAN ADVENTURE IS TOLD  
IN STONE, A TABLEAU OF U.S. HISTORY CARVED AROUND THE  
RIM OF THE DOME ITSELF. IT BEGINS WITH COLUMBUS'  
ARRIVAL IN THE NEW WORLD -- AND ENDS WITH THE FIRST  
FLIGHT OF THE WRIGHT BROTHERS' PLANE.**

BUT THEY GOT IT WRONG. THE WRIGHT BROTHERS FLIGHT DOESN'T MARK THE END OF THE AMERICAN ADVENTURE -- BUT THE BEGINNING OF A NEW CHAPTER -- A NEVERENDING STORY -- A STORY ABOUT A DEMOCRACY WHERE ANYTHING IS POSSIBLE, AND WHERE NO DREAM IS TOO LARGE.

WE LIVE IN A CENTURY THAT BEGAN WITH GREAT PROMISE AND HOPE FOR THE IDEA WE CALL DEMOCRACY, THEN ONLY BEGINNING TO ASSUME AN IMPORTANT PLACE ON THE WORLD STAGE. THAT HOPE HAS BEEN FULFILLED -- AND SURPASSED -- BEYOND THE WILDEST DREAMS OF OUR FOUNDERS. AND THE PROMISE OF DEMOCRACY IS BEGINNING TO BE TASTED BY MORE PEOPLE IN MORE PLACES THAN EVER BEFORE. IT IS THEIR INSPIRATION. AND IT IS OUR STRENGTH. OUR HERITAGE. AND OUR FUTURE. \\\

AND SO AS THIS CENTURY CLOSES, IT IS IN AMERICA'S HANDS TO HELP DETERMINE THE KIND OF PEOPLE, THE KIND OF PLANET, WE WILL BECOME IN THE NEXT. WE WILL LEAVE THE SOLAR SYSTEM AND TRAVEL TO THE STARS. NOT ONLY BECAUSE IT IS DEMOCRACY'S DREAM. BUT BECAUSE IT IS DEMOCRACY'S DESTINY. \\\

AROUND CAMPFIRES, BY MOONLIGHT AND STARLIGHT  
ACROSS THE AGES, MEN AND WOMEN HAVE TURNED THEIR GAZE  
SKYWARD AND DREAMED AN ANCIENT DREAM. AND SOMEWHERE IN  
AMERICA TODAY, MAYBE HERE IN THIS STADIUM, THERE IS A  
YOUNG MAN OR WOMAN WHO, LIKE NEIL ARMSTRONG, WILL SEIZE  
THIS DREAM AND CHANGE THE WORLD FOR ALL TIME. I  
BELIEVE, I TRULY BELIEVE, THAT THE CLASS OF '90 WILL  
LEAVE FOOTPRINTS NOT ONLY IN THE SANDS OF TEXAS -- BUT  
ALSO IN THE SANDS OF TIME -- AND ULTIMATELY ON THE  
PLAINS OF MARS. \\\

YOU WHO HAVE LIVED THESE PAST FOUR YEARS IN  
KINGSVILLE KNOW A LOT ABOUT THE SKY. THE PLAINS OF  
SOUTH TEXAS ARE AS FLAT AS THE SEA -- A LAND WITHOUT  
HILLS OR IMPEDIMENTS, A LAND OF LIMITLESS HORIZONS AND  
DREAMS TO MATCH. IT IS EXACTLY THE KIND OF NIGHT-TIME  
SKY WHERE THE CREAM OF AMERICA'S YOUTH -- THE CREAM OF  
TEXAS A AND I -- CAN POINT CONFIDENTLY TO THE STARS --  
TO ETERNITY -- AND TO THEIR OWN FUTURE, THE FUTURE OF  
THIS GREAT NATION, AND THE FUTURE OF FREE PEOPLE  
EVERYWHERE. \\\

AMERICA IS PROUD OF YOU AND YOUR FAMILIES.  
CONGRATULATIONS. THANK YOU. AND GOD BLESS THE UNITED  
STATES OF AMERICA.

# # #

THE WHITE HOUSE

WASHINGTON

May 9, 1990

INFORMATION

MEMORANDUM FOR THE PRESIDENT

THROUGH:           CHRISS WINSTON *cw*  
FROM:               EDWARD E. McNALLY *EM*  
SUBJECT:            DRAFT REMARKS: TEXAS A&I COMMENCEMENT ADDRESS

I.    SUMMARY

Attached are draft remarks for Friday morning's commencement at Texas A&I -- intended as a major address on the space program and your space station-Moon-Mars initiative.

II.   DISCUSSION

On Friday, May 11, at 11:00 a.m., you will participate in the commencement ceremony at Texas A&I University. The ceremony will be in their football stadium.

The audience of approximately 12,000 will consist of students, their families, and other Kingsville area residents. (About 55% of the student body is of Hispanic heritage.) There is a considerable amount of excitement about your visit since it marks the first time you've made an official trip to Kingsville as President or Vice President.

The speech (18 minutes, on TelePrompter) is intended as a major address on your Administration's leadership in space. It follows last summer's Mars announcement by announcing a national goal of a manned mission to Mars by the 50th anniversary of the Apollo landing. In keeping with your commencement theme of reflection on democratic change, the speech also describes America's unique heritage -- and unique destiny -- as a pioneering and democratic nation.

McNally/Simon  
May 9, 1990  
Draft Six (TX-#2)

PRESIDENTIAL REMARKS: TEXAS A. & I. COMMENCEMENT  
KINGSVILLE, TEXAS  
FRIDAY, MAY 11, 1990, 11:00 A.M.

Thank you, Bill [MACKENZIE, Board of Regents Chairman],  
President Manuel Ibanez [[ee-BAHN-yez]], and good morning to you  
all. **It's always a pleasure to be back in my home state of Texas**  
-- and in the hometown of our outstanding Education Secretary  
Lauro Cavazos. It's always good to see Governor Clements,  
Senators Phil Gramm and Lloyd Bentsen, Congressman Ortiz and  
Congressman de la Garza. Congratulations also to the families  
and friends and faculty of these students -- and, most of all --  
**To the Texas A & I Class of 1990.** \\\

When President Ibanez first contacted us about A & I's  
graduation, he called my son, George, Jr., and said that you  
wanted to hear a commencement address from a popular but aging  
Texan who has risen to the top of his field. And George said:  
"Does that mean you're inviting Nolan Ryan?" \\\

But I'm honored to be in the home of the legendary Javelinas  
[[hav-uh-LEE-nuhs]] -- the wild hogs. And I'm deeply honored to  
be speaking from the hallowed space on the playing field usually  
reserved for "Porky." [[A & I's JAVELINA MASCOT]] \\\

But I haven't seen your mascot today. **Guess he heard we  
keep Air Force One stocked with barbecued pork-rinds!** \\\

Javelinas aren't the only wildlife native to these parts.  
The mesquite outside Kingsville is also shot through with rattle-  
snake and deer. Doves rise on the warm gulf winds, soaring over

the palms and red-tiled roofs of Texas A & I. And South Texas is a special place for the Bush family. We come down nearly every December to visit friends and hunt just outside Beeville.

(But the reputation of the area is changing. When I told Barbara I was flying down to South Texas to talk with college students and see the wildlife, she said: "Aren't you getting a bit old to be going to South Padre for Spring Break?") \\\

Like springtime itself, college commencements signal a time of change. Last week, at Oklahoma State, I spoke about America's new leadership role in the Atlantic Alliance. Tomorrow morning, at South Carolina, we'll be talking about change among the people of Eastern Europe -- people yearning to emulate not only our standard of living -- but also our standard of justice. \\\

But democracy isn't just the wave of the present -- it's the wave of the future. And as your generation assumes a leadership role in a free world that's growing bigger all the time -- others will continue to look to our shores for leadership and direction. I have proposed that one of those directions be space. \\\

The American adventure has always had the capacity to inspire others -- and to astonish the world. The voyages of Columbus. The Declaration of Independence. The taming of a continent. The invention of flight. \\\

America's democracy is the world's greatest experiment in freedom and diversity, an ongoing experiment that continues to unleash the creative energies of the world's most diverse population. It is what took American pioneers to the Moon and

**back. It is what will take you as far as your dreams can soar.**

Like Texas itself, A & I is also a place of pioneers. The first four-year college in South Texas. A leader in bilingual education, with the first such doctoral program in the U.S. Home to research and innovations from natural gas engineering to snake venom to the Rio Star grapefruit. **And many of you are yourselves pioneers -- the first in your families ever to attend college.**

In America's unique democratic heritage, our pioneers were not appointed by kings. Our pioneers appointed themselves -- and took off! We are a searching people, future-oriented, impelled to push on. After graduating college I took my family west, looking for a country to test ourselves and our dreams. We found it in Texas, with enough opportunities to last many lifetimes.

Of course, Texas has always produced its share of pioneers and visionaries. One was Sam Houston. Where others saw empty plains and dust, he saw farms, and ranches, and towns. Where others saw obstacles, he saw opportunity.

But Houston could scarcely have imagined that, little more than a hundred years after his death, the entire planet would hold its breath as his name became the first word ever uttered on the plains and dust of another world. \\ \\

It was July 20, 1969. And although Apollo 11 had just survived one of the most harrowing landings in the history of space, the voice of Neil Armstrong was confident, strong, American. He said: "Houston: Tranquility Base here. The Eagle has landed." Eight words. And the world was changed forever.

When America accepted the Apollo challenge, we rolled up our sleeves and took on a daunting and dangerous job. Apollo 11 showed we could meet our commitments to ourselves and to the world -- proof that democracy could triumph as decisively in peace as it had in war. **It lifted the spirits of a generation, and raised forever the horizons of the human race.**

Today, America is still enjoying the dividends that flowed from Apollo's outpouring of new science and technology. That far-sighted investment is one reason America's aerospace industry remains first in the world -- and last year produced a \$18 billion tide of black ink in our balance of trade.

Project Apollo also spurred a burst in technological education throughout the country. During that short decade, we doubled the number of graduating Ph.D. physical scientists, and quadrupled the Ph.D. mathematicians and engineers. **The lesson history teaches us is that the benefits are there for those who dare to reach for them.**

Last summer, in a speech commemorating the 20th anniversary of the Apollo Moon landing, I announced three major space policy objectives: **First, to have Space Station Freedom up before the century is out. Second, for the new century, a permanent lunar base: "Back to the Moon, back to the future -- and this time -- back to stay." And third, a manned expedition to Mars. \\\**

Together, these objectives form the cornerstone of my Administration's far-reaching plan for investing in America's future. Our space program will help rekindle public interest in

science and mathematics, and revitalize an area of our educational system that has become disturbingly weak. In fact, one of the education goals we announced in January is to make the United States first in math and science by the year 2000. But our space program will do more. It will revolutionize everything from computers to communications, from medicine to metals, regaining and retaining America's high-tech competitive edge. It will create new technologies, new industries, and new jobs.

It's an adventure I hope many of you will be part of. And it's an adventure that's already underway. \\\

The Space Shuttle is back and ushering in a new era in space. And it's led by a talented new generation. Scientists like A & I Professor John Linder, who is working here to improve Shuttle communications. Shuttle engineers like Ruben Zavala, A & I Class of 1977, and avionics experts like Primitivo [prim-a-TEE-vo] Perez, Class of 1971. And new American heroes like Franklin Chang-Diaz, NASA's first Hispanic astronaut.

Last fall, Dr. Chang-Diaz helped put America back in space, part of the team that deployed the Galileo spacecraft on its 6-year journey to Jupiter. Galileo is the most complex explorer spacecraft ever built, and sails in the vanguard of a flotilla of exotic new craft now readying an assault on the ancient mysteries of the stars, the solar system, and our own planet Earth.

You are coming of age during a Golden Age of space. And there's no better example of this than the miracle now orbiting 380 miles above Kingsville -- the Hubble Space Telescope. It

will see to the furthest reaches of the universe, to the very edges of time. (It will, quite literally, even enable astronomers to see back in time -- perhaps far enough back to when the Dallas Cowboys last had a winning season!) \\\

And it's hoped that the telescope will see objects so clearly that, in theory, it could pick out the writing on a dime -- 100 miles away. \\ Talk about the "Vision Thing!" \\\

And even while Galileo and Hubble begin looking out across space -- another array of new satellites will be looking back at Earth -- and taking the pulse of the most important planet in the universe. (You may remember a couple years back when Time magazine named Earth "Planet of the Year." Comedian Jay Leno said: "What did you expect? All the judges came from Earth!")

We call this initiative "Mission to Planet Earth." It's an effort of such magnitude, it dwarfs everything in the past -- a worldwide study of the complex interactions between land, sea, ice and air -- as well as between the Earth and the Sun.

Initiatives like these mark a critical investment in America's future. They will help protect the environment, fuel an educational renaissance, and hone America's competitive edge.

But the importance of the space program -- especially the manned space program -- goes deeper than that. Throughout our history, America has been a nation of discoverers. It is part of our national character -- part of our democratic heritage. In fact, Monday marks the day in 1804 when Meriwether Lewis and William Clark set out across the Mississippi to map much of what

was to become the great American West. Despite Thomas Jefferson's love of machines -- it's hard to imagine him sending a robot out alone to describe the wonders of the American Rockies and the Pacific coast. In the American experiment -- in the experiment called democracy -- there will always be a place for individual men and women with imagination and daring.

**Our nation's quest for the unknown took American pioneers from the bluffs of the Mississippi to the mountains of the Moon. But today, we're no longer just asking for the Moon. We've been there. We're looking further, to carry the American adventure to wherever opportunity, curiosity, and need will take us.**

**It's time to open up the final frontier. There can be no turning back. America's space program is what civilization needs to begin this journey, and to perfect the commitment to go beyond. Each time we go to the frontier and beyond, we bring back more than we hoped for. This time we have the chance to bring back more than we can imagine.**

Our 1991 budget is proof positive of America's commitment to an active, exciting and continuing presence in space -- to America's leadership in space. Our budget proposes \$15.2 billion for NASA, an increase of 24 percent -- almost \$3 billion -- which is the largest increase for any major agency of the government.

**But leadership in space takes more than just dollars. It also takes a decision. And I'm announcing one today.**

We stand at a halfway point in our exploration of the immediate solar system -- the planet Earth, its Moon, and the

terrestrial neighborhood. 30 years ago, NASA was founded and the space race began. And 30 years from now -- I believe Man will stand on another planet. And so I am pleased to return to Texas today to announce a new Age of Exploration, with not only a goal but also a timetable: I believe that before Apollo celebrates the 50th anniversary of its landing on the moon -- the American flag should be planted on Mars. \\\

Up beneath the dome of the United States Capitol -- where decisions about our space program will be made in the coming weeks -- the American adventure is told in stone, a tableau of U.S. history carved around the rim of the dome itself. It begins with Columbus' arrival in the New World -- and ends with the first flight of the Wright brothers' plane.

But they got it wrong. The Wright brothers flight doesn't mark the end of the American adventure -- but the beginning of a new chapter -- a neverending story -- a story about a democracy where anything is possible, and where no dream is too large.

We live in a century that began with great promise and hope for the idea we call democracy, then only beginning to assume an important place on the world stage. That hope has been fulfilled -- and surpassed -- beyond the wildest dreams of our founders. And the promise of democracy is beginning to be tasted by more people in more places than ever before. It is their inspiration. And it is our strength. Our heritage. And our future. \\\

And so as this century closes, it is in America's hands to help determine the kind of people, the kind of planet, we will

become in the next. We will leave the Solar System and travel to the stars. Not only because it is democracy's dream. But because it is democracy's destiny. \\\

Around campfires, by moonlight and starlight across the ages, men and women have turned their gaze skyward and dreamed an ancient dream. And somewhere in America today, maybe here in this stadium, there is a young man or woman who, like Neil Armstrong, will seize this dream and change the world for all time. I believe, I truly believe, that the Class of '90 will leave footprints not only in the sands of Texas -- but also in the sands of time -- and ultimately on the plains of Mars. \\\

You who have lived these past four years in Kingsville know a lot about the sky. The plains of South Texas are as flat as the sea -- a land without hills or impediments, a land of limitless horizons and dreams to match. It is exactly the kind of night-time sky where the cream of America's youth -- the cream of Texas A and I -- can point confidently to the stars -- to eternity -- and to their own future, the future of this great Nation, and the future of free people everywhere. \\\

America is proud of you and your families. Congratulations. Thank you. And God bless the United States of America.

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