

Originally Processed With FOIA(s):

FOIA Number:

S

# FOIA MARKER

**This is not a textual record. This is used as an administrative marker by the George Bush Presidential Library Staff.**

---

**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

---

**OA/ID Number:** 13477  
**Folder ID Number:** 13477-007

---

**Folder Title:**  
Westinghouse Science Talent Award, 3/3/89

---

Stack:	Row:	Section:	Shelf:	Position:
<b>G</b>	<b>25</b>	<b>6</b>	<b>1</b>	<b>4</b>

---

MASTER I

**WHITE HOUSE STAFFING MEMORANDUM**

DATE: 02/24/89 ACTION/CONCURRENCE/COMMENT DUE BY: C.O.B. Tuesday 02/28

SUBJECT: PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS

	ACTION FYI			ACTION FYI	
VICE PRESIDENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	MCCLURE	No comment	<input checked="" type="checkbox"/> <input type="checkbox"/>
SUNUNU	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NEWMAN		<input checked="" type="checkbox"/> <input type="checkbox"/>
SCOWCROFT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PORTER	late 3/2am	<input checked="" type="checkbox"/> <input type="checkbox"/>
DARMAN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	STUDDERT	late 3/1 am	<input type="checkbox"/> <input checked="" type="checkbox"/>
BATES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	UNTERMAYER		<input type="checkbox"/> <input type="checkbox"/>
BREEDEN	<input type="checkbox"/>	<input type="checkbox"/>	ROGERS		<input type="checkbox"/> <input checked="" type="checkbox"/>
CARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	WINSTON		<input type="checkbox"/> <input checked="" type="checkbox"/>
CICCONI	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PINKERTON		<input checked="" type="checkbox"/> <input type="checkbox"/>
DEMAREST	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GRAHAM		<input checked="" type="checkbox"/> <input type="checkbox"/>
FITZWATER	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/> <input type="checkbox"/>
GRAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> <input type="checkbox"/>
HAGIN	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> <input type="checkbox"/>

**REMARKS:**

Please provide any comments/recommendations directly to the Speechwriters (Rm. 122, x2930) with an info copy to my office by close of business on Tuesday, 02/28. Thanks.

**RESPONSE:**

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

(Klugmann)  
February 24, 1989  
draft

7:27

PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS  
FRIDAY, MARCH 3, 1989

Thank you very much, and welcome to the White House. It's a pleasure to have you here. You know, I'm reminded of something President Kennedy once said: With all you remarkable young scientists here, there hasn't been such an assemblage of talent in the White House since Thomas Jefferson dined alone.

What all of you have accomplished is something to be very proud of. Not only is it a great achievement, but you really earned it. Thomas Edison said that genius is one-tenth <sup>percent</sup> inspiration and ~~nine-tenths~~ <sup>ninety-nine percent</sup> perspiration. And each of you, with your academic diligence, your intellect, and a lot of hard work, have won the oldest and largest national high school competition in the country.

Past winners of the Westinghouse Science Talent Search have distinguished themselves in every field of science and mathematics. Your predecessors have received every major award in their fields, including <sup>the National Medal of Science and the</sup> five Nobel prizes. And twenty-seven former Westinghouse winners have been elected as members of the National Academy of Sciences.

And what you have done is important for America. As a Nation we have no natural resource more precious than our intellectual resources. In fact, it is only <sup>Thanks to</sup> through human knowledge that petroleum or copper or methanol <sup>are considered</sup> ~~is a~~ resources, something that we have a use for and know how to produce. And

and which here  
are considered

scientific knowledge must be renewed and expanded in each generation. For America to maintain its technological and scientific excellence no investment in machines or laboratories, as vital as that is, will by itself be sufficient; there have to be the people who have the knowledge and the commitment. And that will be men and women like yourselves who will lead America into the next century.

You know, by one estimate, it takes 10,000 high school students expressing an interest in a science or engineering major to assure us of 20 men and women who will go on to receive doctorates. I hope that each student in this room gets a doctorate, and that some of you consider returning to the classroom as teachers to inspire a new generation of scientists for the future.

The fruits of investing in science and scientists are evident: <sup>human intelligence has explored from the vastness of the galaxy to the particles of an atom</sup> Diseases have been cured, knowledge has been harnessed

<sup>energy...</sup>  
-- I was going to say that energy has been created, but let's just call it a wash and say that energy has neither been created nor destroyed.

But we truly have seen the scientific knowledge developed in the United States vastly improve the lives of our citizens and of people around the world. And today, scientists and science students from around the world are coming here to America, to do research, to study, and to teach; and this is something that our country greatly benefits from.

Yet, still, as a Nation, we need to do better. We're not producing enough scientists, mathematicians, and engineers, only about 70,000 a year at the undergraduate level. That's about the

same number that Japan produces with a total population only half the size of ours.

Initiatives from Washington are important here. But they're not enough. ~~It is up to~~ <sup>will determine</sup> students and parents and teachers <sup>what</sup> ~~the~~ direction our young people take and, ultimately, what direction our country takes. And there is only one goal that is worthy of us as Americans. And that is to be the very best in the world; to be number one. That is our history, but it is also, I believe, our destiny. Our national qualities of intellectual curiosity and innovation, our frontiersman spirit and our habit of problem-solving, all uniquely equip America for the great technological age that is dawning.

To help us move in that direction, the Federal budget I proposed would increase funding for NASA by 22 percent, and would also advance us toward our goal of doubling the budget for the National Science Foundation by 1993. I also propose full funding for the Superconducting Super Collider, and, as an incentive for private industry, a permanent Research and <sup>Experimentation</sup> ~~Engineering~~ tax credit.

But one of the most important investments that I want us to make is in science education. So I have proposed a National Science Scholars Program that would provide 570 scholarships each year. These would be for <sup>up to</sup> \$10,000 a year, renewable for four years. This program would be based on merit and it would draw <sup>at least</sup> at least one young scientist from every Congressional district in the Nation, providing local inspiration and national direction for the study of science. I think no one proves better than all of you just how much our students are capable of and how important it is to provide the encouragement and resources that you need.

- 4 -

So let me congratulate all of you again. And now, I'm going to have a chance here to look at some of your award-winning exhibits. If I don't understand everything the first time, just stay with me and I'll get it.

Thank you very much and God bless you all.

**WESTINGHOUSE SCIENCE WINNERS  
NATIONAL ACADEMY OF SCIENCES BUILDING  
FRIDAY, MARCH 3, 1989**

THANK YOU VERY MUCH. IT'S A PLEASURE TO BE HERE AND TO HAVE THIS CHANCE TO SEE SO MANY OF YOUR REMARKABLE SCIENCE PROJECTS. THANK YOU FOR YOUR PATIENCE IN EXPLAINING SOME OF THESE EXHIBITS TO ME. I'M NOT SAYING THAT I DIDN'T UNDERSTAND EVERYTHING, BUT I JUST WANT TO SAY: I HOPE THERE'S NO TEST AFTERWARDS.

2

REALLY, WHAT ALL OF YOU HAVE ACCOMPLISHED IS SOMETHING TO BE VERY PROUD OF. NOT ONLY IS IT A GREAT ACHIEVEMENT, BUT YOU REALLY EARNED IT. THOMAS EDISON SAID THAT GENIUS IS ONE PERCENT INSPIRATION AND NINETY-NINE PERCENT PERSPIRATION. AND EACH OF YOU, WITH YOUR ACADEMIC DILIGENCE, YOUR INTELLECT, AND A LOT OF HARD WORK, HAVE WON THE OLDEST AND LARGEST NATIONAL HIGH SCHOOL COMPETITION IN THE COUNTRY.

**PAST WINNERS OF THE WESTINGHOUSE SCIENCE TALENT SEARCH HAVE DISTINGUISHED THEMSELVES IN EVERY FIELD OF SCIENCE AND MATHEMATICS. YOUR PREDECESSORS HAVE RECEIVED EVERY MAJOR HONOR AND AWARD IN THEIR FIELDS, INCLUDING THE NOBEL PRIZE AND THE NATIONAL MEDAL OF SCIENCE.**

### **3.1**

**AND WHAT YOU HAVE DONE IS IMPORTANT FOR AMERICA. SCIENTIFIC AND TECHNOLOGICAL ADVANCEMENT HAVE ALWAYS BEEN AT THE VERY HEART OF OUR NATION'S PIONEER SPIRIT, PUSHING THE BOUNDARIES OF OUR KNOWLEDGE, CREATING ECONOMIC OPPORTUNITY, AND INCREASING OUR STANDARD OF LIVING, AND MAKING THIS A HEALTHIER AND SAFER WORLD IN WHICH TO LIVE. IT IS SCIENTIFIC ADVANCEMENTS THAT MADE US AWARE OF THE DAMAGE TO OUR EARTH'S PROTECTIVE OZONE LAYER, AND THE NEED TO REDUCE CFC'S THAT DEplete OUR PRECIOUS UPPER ATMOSPHERIC RESOURCES.**

## 3.2

AS A RESULT OF THESE ADVANCEMENTS, THE UNITED STATES AND OTHER NATIONS HAVE LED THE WAY THROUGH THE MONTREAL PROTOCOL TOWARDS REDUCTIONS OF CFC'S. THAT PROTOCOL WILL REDUCE CFC'S TO 50 PERCENT OF 1986 LEVELS BY THE YEAR 1998. HOWEVER, RECENT STUDIES INDICATE THAT THIS 50 PERCENT REDUCTION MAY NOT BE ENOUGH.

## 3.3

THAT'S WHY I HAVE TODAY DIRECTED BILL REILLY, OUR EPA ADMINISTRATOR, TO JOIN WITH OTHER NATIONS THIS WEEKEND IN SUPPORTING THE CALL FOR ELIMINATING CFC'S BY THE YEAR 2000, PROVIDED THAT SAFE SUBSTITUTES ARE AVAILABLE. OF COURSE, SUCH A PHASE-OUT MUST BE GUIDED BY THE SCIENTIFIC, ECONOMIC AND TECHNOLOGICAL ASSESSMENTS UNDER THE PROTOCOL.

AS A NATION WE HAVE NO NATURAL RESOURCE MORE PRECIOUS THAN OUR INTELLECTUAL RESOURCES. IN FACT, IT IS ONLY THANKS TO HUMAN KNOWLEDGE AND INGENUITY THAT CRUDE OIL BECOMES A VALUABLE FUEL, THAT FIELDS OF GRAIN BECOME METHANOL, OR THAT GRAINS OF SAND BECOME SILICON CHIPS.

SCIENTIFIC KNOWLEDGE MUST BE RENEWED AND EXPANDED IN EACH GENERATION. MANY OF THE MIRACLES WE TAKE FOR GRANTED IN EVERYDAY LIFE ORIGINATED IN DEFENSE AND SPACE RESEARCH.

THIS INVESTMENT IN NEW TECHNOLOGIES AND NEW PLANT AND EQUIPMENT HELPS EXPAND OUR COMPETITIVE EDGE, THEREBY ASSURING FUTURE OPPORTUNITIES FOR AMERICA'S NEXT GENERATION IN SCIENCE, ENGINEERING, AND MANUFACTURING. BUT FOR AMERICA TO MAINTAIN ITS TECHNOLOGICAL AND SCIENTIFIC EXCELLENCE, NO INVESTMENT IN MACHINES OR LABORATORIES, AS VITAL AS THAT IS, WILL BY ITSELF BE SUFFICIENT; THERE HAVE TO BE THE PEOPLE WHO HAVE THE KNOWLEDGE AND THE COMMITMENT.

AND THAT WILL BE MEN AND WOMEN LIKE YOURSELVES WHO WILL LEAD AMERICA INTO THE NEXT CENTURY.

YOU KNOW, BY ONE ESTIMATE, IT TAKES 10,000 HIGH SCHOOL STUDENTS EXPRESSING AN INTEREST IN A SCIENCE OR ENGINEERING MAJOR TO ASSURE US OF 20 MEN AND WOMEN WHO WILL GO ON TO RECEIVE DOCTORATES. I HOPE THAT EACH STUDENT IN THIS ROOM GETS A DOCTORATE, OR PURSUES A CAREER IN SCIENCE AND TECHNOLOGY, AND THAT SOME OF YOU CONSIDER RETURNING TO THE CLASSROOM AS TEACHERS TO INSPIRE A NEW GENERATION OF SCIENTISTS FOR THE FUTURE.

AMERICAN UNIVERSITIES CONFER ONLY ABOUT 77,000 ENGINEERING DEGREES A YEAR AT THE UNDERGRADUATE LEVEL. THAT'S ABOUT THE SAME NUMBER THAT JAPAN PRODUCES WITH A TOTAL POPULATION ONLY HALF THE SIZE OF OURS.

INITIATIVES FROM WASHINGTON ARE IMPORTANT HERE. BUT THEY'RE NOT ENOUGH. STUDENTS AND PARENTS AND TEACHERS WILL DETERMINE THE DIRECTION OUR YOUNG PEOPLE TAKE AND, ULTIMATELY, WHAT DIRECTION OUR COUNTRY TAKES. AND THERE IS ONLY ONE GOAL THAT IS WORTHY OF US AS AMERICANS.

AND THAT IS TO BE THE VERY BEST IN THE WORLD; TO BE NUMBER ONE. THAT IS OUR HISTORY, BUT IT IS ALSO, I BELIEVE, OUR DESTINY. OUR NATIONAL QUALITIES OF INTELLECTUAL CURIOSITY AND INNOVATION, OUR FRONTIER SPIRIT AND OUR HABIT OF PROBLEM-SOLVING, ALL UNIQUELY EQUIP AMERICA FOR THE GREAT TECHNOLOGICAL AGE THAT IS DAWNING.

TO HELP US MOVE IN THAT DIRECTION, THE FEDERAL BUDGET I PROPOSED WOULD INCREASE FUNDING FOR NASA BY 22 PERCENT, AND WOULD ALSO ADVANCE US TOWARD OUR GOAL OF DOUBLING THE BUDGET FOR THE NATIONAL SCIENCE FOUNDATION BY 1993.

I ALSO PROPOSED FULL FUNDING FOR THE SUPERCONDUCTING SUPER COLLIDER, AND, AS AN INCENTIVE FOR PRIVATE INDUSTRY, A PERMANENT RESEARCH AND EXPERIMENTATION TAX CREDIT.

BUT ONE OF THE MOST IMPORTANT INVESTMENTS THAT I WANT US TO MAKE IS IN SCIENCE EDUCATION. SO I HAVE PROPOSED A NATIONAL SCIENCE SCHOLARS PROGRAM THAT WOULD PROVIDE 570 SCHOLARSHIPS EACH YEAR. THESE WOULD BE FOR UP TO \$10,000 A YEAR, FOR FOUR YEARS.

THIS PROGRAM WOULD BE BASED ON MERIT AND IT WOULD DRAW AT LEAST ONE YOUNG SCIENTIST FROM EVERY CONGRESSIONAL DISTRICT IN THE NATION, PROVIDING LOCAL INSPIRATION AND NATIONAL LEADERSHIP FOR THE STUDY OF SCIENCE. I THINK NO ONE PROVES BETTER THAN ALL OF YOU JUST HOW MUCH OUR STUDENTS ARE CAPABLE OF AND HOW IMPORTANT IT IS TO PROVIDE THE ENCOURAGEMENT AND RESOURCES THAT YOU NEED.

SO LET ME CONGRATULATE ALL OF YOU AGAIN. I THINK YOU ARE ALL DESTINED FOR GREAT THINGS.

THANK YOU VERY MUCH AND GOD BLESS YOU ALL.

3A  
3B

Language for the President's Science Speech on 3/3/89

Scientific and technological advancement have always been at the very heart of our Nation's pioneer spirit, pushing the boundaries of our knowledge, creating economic opportunity, increasing our standard of living, and making this a healthier and safer world in which to live. It is scientific advancements that made us aware of the damage to our Earth's protective ozone layer, and the need to reduce "CFCs" (chlorofluorocarbons) that deplete our precious upper atmospheric resources.

As a result of these advancements, the United States and other nations have led the way through the Montreal Protocol towards reductions of CFCs. That Protocol will reduce CFCs to 50 percent of 1986 levels by the year 1998. However, recent studies indicate that this 50 percent reduction may not be enough.

*That's why* Thus, I have <sup>*today*</sup> directed Bill Reilly, our EPA Administrator, to join with other nations this weekend in supporting the call for eliminating CFCs by the year 2000 provided that safe substitutes are available. Of course, such a phase-out must be guided by the scientific, economic and technological assessments under the Protocol.

FINAL

(Klugmann)  
March 2, 1989  
9:00 a.m.

PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS  
NATIONAL ACADEMY OF SCIENCES BUILDING  
FRIDAY, MARCH 3, 1989

Thank you very much. It's a pleasure to be here and to have this chance to see so many of your remarkable science projects. Thank you for your patience in explaining some of these exhibits to me. I'm not saying that I didn't understand everything, but I just want to say: I hope there's no test afterwards.

Really, what all of you have accomplished is something to be very proud of. Not only is it a great achievement, but you really earned it. Thomas Edison said that genius is one percent inspiration and ninety-nine percent perspiration. And each of you, with your academic diligence, your intellect, and a lot of hard work, have won the oldest and largest national high school competition in the country.

Past winners of the Westinghouse Science Talent Search have distinguished themselves in every field of science and mathematics. Your predecessors have received every major honor and award in their fields, including the Nobel prize and the National Medal of Science.

And what you have done is important for America. Scientific and technological advancement have always been at the very heart of our Nation's pioneer spirit, pushing the boundaries of our knowledge, creating economic opportunity, and increasing our standard of living.

As a Nation we have no natural resource more precious than our intellectual resources. In fact, it is only thanks to human knowledge and ingenuity that crude oil becomes a valuable fuel, that fields of grain become methanol, or that grains of sand become silicon chips.

Scientific knowledge must be renewed and expanded in each generation. Many of the miracles we take for granted in everyday life originated in defense and space research. This investment in new technologies and new plant and equipment helps expand our competitive edge, thereby assuring future opportunities for America's next generation in science, engineering, and manufacturing. But for America to maintain its technological and scientific excellence, no investment in machines or laboratories, as vital as that is, will by itself be sufficient; there have to be the people who have the knowledge and the commitment. And that will be men and women like yourselves who will lead America into the next century.

You know, by one estimate, it takes 10,000 high school students expressing an interest in a science or engineering major to assure us of 20 men and women who will go on to receive doctorates. I hope that each student in this room gets a doctorate, or pursues a career in science and technology, and that some of you consider returning to the classroom as teachers to inspire a new generation of scientists for the future.

The fruits of investing in science and scientists are evident: Human intelligence has explored the vastness of outer space and the inner frontiers of the particles of the atom; diseases have been cured, knowledge has been harnessed -- ((and energy... I was going to say that energy has been created, but

then I remembered the laws of thermodynamics. So let's just call it a wash and say that energy has neither been created nor destroyed.))

But we truly have seen the scientific knowledge developed in the United States vastly improve the lives of our citizens and of people around the world. And today, international scientists and science students are coming here to America, to do research, to study, and to teach; and this is something that our country greatly benefits from.

Yet, still, as a Nation, we need to do better. We're not producing enough scientists, mathematicians, and engineers. American universities confer only about 77,000 engineering degrees a year at the undergraduate level. That's about the same number that Japan produces with a total population only half the size of ours.

Initiatives from Washington are important here. But they're not enough. Students and parents and teachers will determine the direction our young people take and, ultimately, what direction our country takes. And there is only one goal that is worthy of us as Americans. And that is to be the very best in the world; to be number one. That is our history, but it is also, I believe, our destiny. Our national qualities of intellectual curiosity and innovation, our frontier spirit and our habit of problem-solving, all uniquely equip America for the great technological age that is dawning.

To help us move in that direction, the Federal budget I proposed would increase funding for NASA by 22 percent, and would also advance us toward our goal of doubling the budget for the National Science Foundation by 1993. I also proposed full

funding for the Superconducting Super Collider, and, as an incentive for private industry, a permanent Research and Experimentation tax credit.

But one of the most important investments that I want us to make is in science education. So I have proposed a National Science Scholars Program that would provide 570 scholarships each year. These would be for up to \$10,000 a year, for four years. This program would be based on merit and it would draw at least one young scientist from every Congressional district in the Nation, providing local inspiration and national leadership for the study of science. I think no one proves better than all of you just how much our students are capable of and how important it is to provide the encouragement and resources that you need.

So let me congratulate all of you again. I think you are all destined for great things.

Thank you very much and God bless you all.

# # #

(Klugmann)  
March 2, 1989  
9:00 a.m.

PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS  
NATIONAL ACADEMY OF SCIENCES BUILDING  
FRIDAY, MARCH 3, 1989

Thank you very much. It's a pleasure to be here and to have this chance to see so many of your remarkable science projects. Thank you for your patience in explaining some of these exhibits to me. I'm not saying that I didn't understand everything, but I just want to say: I hope there's no test afterwards.

Really, what all of you have accomplished is something to be very proud of. Not only is it a great achievement, but you really earned it. Thomas Edison said that genius is one percent inspiration and ninety-nine percent perspiration. And each of you, with your academic diligence, your intellect, and a lot of hard work, have won the oldest and largest national high school competition in the country.

Past winners of the Westinghouse Science Talent Search have distinguished themselves in every field of science and mathematics. Your predecessors have received every major honor and award in their fields, including the Nobel prize and the National Medal of Science.

And what you have done is important for America. Scientific and technological advancement have always been at the very heart of our Nation's pioneer spirit, pushing the boundaries of our knowledge, creating economic opportunity, and increasing our standard of living.

As a Nation we have no natural resource more precious than our intellectual resources. In fact, it is only thanks to human knowledge and ingenuity that crude oil becomes a valuable fuel, that fields of grain become methanol, or that grains of sand become silicon chips.

Scientific knowledge must be renewed and expanded in each generation. Many of the miracles we take for granted in everyday life originated in defense and space research. This investment in new technologies and new plant and equipment helps expand our competitive edge, thereby assuring future opportunities for America's next generation in science, engineering, and manufacturing. But for America to maintain its technological and scientific excellence, no investment in machines or laboratories, as vital as that is, will by itself be sufficient; there have to be the people who have the knowledge and the commitment. And that will be men and women like yourselves who will lead America into the next century.

You know, by one estimate, it takes 10,000 high school students expressing an interest in a science or engineering major to assure us of 20 men and women who will go on to receive doctorates. I hope that each student in this room gets a doctorate, or pursues a career in science and technology, and that some of you consider returning to the classroom as teachers to inspire a new generation of scientists for the future.

The fruits of investing in science and scientists are evident: Human intelligence has explored the vastness of outer space and the inner frontiers of the particles of the atom; diseases have been cured, knowledge has been harnessed -- (and energy... I was going to say that energy has been created, but

then I remembered the laws of thermodynamics. So let's just call it a wash and say that energy has neither been created nor destroyed.))

But we truly have seen the scientific knowledge developed in the United States vastly improve the lives of our citizens and of people around the world. And today, international scientists and science students are coming here to America, to do research, to study, and to teach; and this is something that our country greatly benefits from.

Yet, still, as a Nation, we need to do better. We're not producing enough scientists, mathematicians, and engineers. American universities confer only about 77,000 engineering degrees a year at the undergraduate level. That's about the same number that Japan produces with a total population only half the size of ours.

Initiatives from Washington are important here. But they're not enough. Students and parents and teachers will determine the direction our young people take and, ultimately, what direction our country takes. And there is only one goal that is worthy of us as Americans. And that is to be the very best in the world; to be number one. That is our history, but it is also, I believe, our destiny. Our national qualities of intellectual curiosity and innovation, our frontier spirit and our habit of problem-solving, all uniquely equip America for the great technological age that is dawning.

To help us move in that direction, the Federal budget I proposed would increase funding for NASA by 22 percent, and would also advance us toward our goal of doubling the budget for the National Science Foundation by 1993. I also proposed full

funding for the Superconducting Super Collider, and, as an incentive for private industry, a permanent Research and Experimentation tax credit.

But one of the most important investments that I want us to make is in science education. So I have proposed a National Science Scholars Program that would provide 570 scholarships each year. These would be for up to \$10,000 a year, for four years. This program would be based on merit and it would draw at least one young scientist from every Congressional district in the Nation, providing local inspiration and national leadership for the study of science. I think no one proves better than all of you just how much our students are capable of and how important it is to provide the encouragement and resources that you need.

So let me congratulate all of you again. I think you are all destined for great things.

Thank you very much and God bless you all.

# # #

*National Medal*

(Klugmann)  
March 1, 1989  
8:00 p.m.

PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS  
NATIONAL ACADEMY OF SCIENCES BUILDING  
FRIDAY, MARCH 3, 1989

Thank you very much. It's a pleasure to be here and to have this chance to see so many of your remarkable science projects. Thank you for your patience in explaining some of these exhibits to me. I'm not saying that I didn't understand everything, but I just want to say: I hope there's no test afterwards.

Really, what all of you have accomplished is something to be very proud of. Not only is it a great achievement, but you really earned it. Thomas Edison said that genius is one percent inspiration and ninety-nine percent perspiration. And each of you, with your academic diligence, your intellect, and a lot of hard work, have won the oldest and largest national high school competition in the country.

Past winners of the Westinghouse Science Talent Search have distinguished themselves in every field of science and mathematics. Your predecessors have received every major honor and award in their fields, including the Nobel prize and the National Science Medal.

And what you have done is important for America. Scientific and technological advancement have always been at the very heart of our Nation's pioneer spirit, pushing the boundaries of our knowledge, creating economic opportunity, and increasing our standard of living.

As a Nation we have no natural resource more precious than our intellectual resources. In fact, it is only thanks to human knowledge and ingenuity that crude oil becomes a valuable fuel, that fields of grain become methanol, or that grains of sand become silicon chips.

Scientific knowledge must be renewed and expanded in each generation. Many of the miracles we take for granted in everyday life originated in defense and space research. This investment in new technologies and new plant and equipment helps expand our competitive edge, thereby assuring future opportunities for America's next generation in science, engineering, and manufacturing. But for America to maintain its technological and scientific excellence, no investment in machines or laboratories, as vital as that is, will by itself be sufficient; there have to be the people who have the knowledge and the commitment. And that will be men and women like yourselves who will lead America into the next century.

You know, by one estimate, it takes 10,000 high school students expressing an interest in a science or engineering major to assure us of 20 men and women who will go on to receive doctorates. I hope that each student in this room gets a *or pursues a career in science and technology.* doctorate, and that some of you consider returning to the classroom as teachers to inspire a new generation of scientists for the future.

The fruits of investing in science and scientists are evident: Human intelligence has explored the vastness of outer space and the inner frontiers of the particles of the atom; diseases have been cured, knowledge has been harnessed -- ((and energy... I was going to say that energy has been created, but

then I remembered the laws of thermodynamics. So let's just call it a wash and say that energy has neither been created nor destroyed.))

But we truly have seen the scientific knowledge developed in the United States vastly improve the lives of our citizens and of people around the world. And today, international scientists and science students are coming here to America, to do research, to study, and to teach; and this is something that our country greatly benefits from.

Yet, still, as a Nation, we need to do better. We're not producing enough scientists, mathematicians, and engineers. American universities confer only about 77,000 engineering degrees a year at the undergraduate level. That's about the same number that Japan produces with a total population only half the size of ours.

Initiatives from Washington are important here. But they're not enough. Students and parents and teachers will determine the direction our young people take and, ultimately, what direction our country takes. And there is only one goal that is worthy of us as Americans. And that is to be the very best in the world; to be number one. That is our history, but it is also, I believe, our destiny. Our national qualities of intellectual curiosity and innovation, our frontier spirit and our habit of problem-solving, all uniquely equip America for the great technological age that is dawning.

To help us move in that direction, the Federal budget I proposed would increase funding for NASA by 22 percent, and would also advance us toward our goal of doubling the budget for the National Science Foundation by 1993. I also proposed full

funding for the Superconducting Super Collider, and, as an incentive for private industry, a permanent Research and Experimentation tax credit.

But one of the most important investments that I want us to make is in science education. So I have proposed a National Science Scholars Program that would provide 570 scholarships each year. These would be for up to \$10,000 a year, for four years. This program would be based on merit and it would draw at least one young scientist from every Congressional district in the Nation, providing local inspiration and national leadership for the study of science. I think no one proves better than all of you just how much our students are capable of and how important it is to provide the encouragement and resources that you need.

So let me congratulate all of you again. I think you are all destined for great things.

Thank you very much and God bless you all.

# # #

(Klugmann)  
March 1, 1989  
2:30 pm

PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS  
NATIONAL ACADEMY OF SCIENCES BUILDING  
FRIDAY, MARCH 3, 1989

Thank you very much. It's a pleasure to be here and to have this chance to see so many of your remarkable science projects. Thank you for your patience in explaining some of these exhibits to me. I'm not saying that I didn't understand everything, but I just want to ~~know~~ <sup>say</sup> I hope there's no test afterward, Is this going to be on the test?

Really, what all of you have accomplished is something to be very proud of. Not only is it a great achievement, but you really earned it. Thomas Edison said that genius is one percent inspiration and ninety-nine percent perspiration. And each of you, with your academic diligence, your intellect, and a lot of hard work, have won the oldest and largest national high school competition in the country.

Past winners of the Westinghouse Science Talent Search have distinguished themselves in every field of science and mathematics. Your predecessors have received every major honor and award in their fields, including the Nobel prize and the National Science Medal.

And what you have done is important for America. Scientific and technological advancement have always been at the very heart of our Nation's pioneer spirit, pushing the boundaries of our knowledge, creating economic opportunity, and increasing our standard of living.

grams of sand become <sup>polished chips</sup>  
crude oil becomes a valuable fuel  
and fractions of grain become <sup>methanol</sup>

As a Nation we have no natural resource more precious than our intellectual resources. In fact, it is only thanks to human knowledge and ingenuity that <sup>resources like</sup> petroleum or copper or methanol <sup>or the knowledge of them</sup> came to be resources, things that we have a use for, know how to produce, and which have an economic value.

Scientific knowledge must be renewed and expanded in each generation. <sup>And...</sup> For America to maintain its technological and scientific excellence, <sup>But</sup> no investment in machines or laboratories, as vital as that is, will by itself be sufficient; there have to be the people who have the knowledge and the commitment. And that will be men and women like yourselves who will lead America into the next century.

You know, by one estimate, it takes 10,000 high school students expressing an interest in a science or engineering major to assure us of 20 men and women who will go on to receive doctorates. I hope that each student in this room gets a doctorate, and that some of you consider returning to the classroom as teachers to inspire a new generation of scientists for the future.

The fruits of investing in science and scientists are evident: Human intelligence has explored the vastness of outer space and the inner frontiers of the particles of the atom; diseases have been cured, knowledge has been harnessed -- (and energy... I was going to say that energy has been created, but then I remembered the laws of thermodynamics, let's just call it a wash and say that energy has neither been created nor destroyed.))

the potential and value

?

2

50

But we truly have seen the scientific knowledge developed in the United States vastly improve the lives of our citizens and of people around the world. And today, <sup>international</sup> scientists and science students ~~from around the world~~ are coming here to America, to do research, to study, and to teach; and this is something that our country greatly benefits from.

Yet, still, as a Nation, we need to do better. We're not producing enough scientists, mathematicians, and engineers. American universities confer only about 77,000 engineering degrees a year at the undergraduate level. That's about the same number that Japan produces with a total population only half the size of ours.

Initiatives from Washington are important here. But they're not enough. Students and parents and teachers will determine the direction our young people take and, ultimately, what direction our country takes. And there is only one goal that is worthy of us as Americans. And that is to be the very best in the world; to be number one. That is our history, but it is also, I believe, our destiny. Our national qualities of intellectual curiosity and innovation, our ~~frontiersman~~ spirit and our habit of problem-solving, all uniquely equip America for the great technological age that is dawning.

To help us move in that direction, the Federal budget I proposed would increase funding for NASA by 22 percent, and would also advance us toward our goal of doubling the budget for the National Science Foundation by 1993. I also propose <sup>(a)</sup> full funding for the Superconducting Super Collider, and, as an incentive for

private industry, a permanent Research and Experimentation tax credit.

But one of the most important investments that I want us to make is in science education. So I have proposed a National Science Scholars Program that would provide 570 scholarships each year. These would be for up to \$10,000 a year, for four years. This program would be based on merit and it would draw at least one young scientist from every Congressional district in the Nation, providing local inspiration and national leadership for the study of science. I think no one proves better than all of you just how much our students are capable of and how important it is to provide the encouragement and resources that you need.

So let me congratulate all of you again. I think you are all destined for great things.

Thank you very much and God bless you all.

We are committed to supporting the network of liberty through balanced regional or bilateral alliances with nations sharing our values in all parts of the world, especially our neighbors in Central America. The Republican Party reiterates its support of the people of Central America in their quest for freedom and democracy in their countries.

We are proud of the great economic and democratic progress throughout the world during the Reagan-Bush Administration, and we are committed to strengthening the defensive ties that have thwarted Soviet expansion in the past seven years.

### Keeping the Sea Lanes Free

The United States has always been a maritime nation. We have rebuilt our Navy to permit continued freedom of the seas. Our focus has correctly been on the fighting ships our Navy would use in the event of a conflict. Our successful peace mission in the Persian Gulf is eloquent testimony to the benefits of a blue water Navy.

To protect American interests in remote areas of the world, we require a 600-ship navy with 15 aircraft carrier battle groups. This number enables us to operate in areas where we lack the infrastructure of bases we enjoy in Western Europe and the western Pacific. A force of this size will enable us to meet both our security interests and commitments into the 21st century. Republicans are also committed to the strategic homeporting of our forces throughout the United States. Notwithstanding the Democrat nominee's claim to support conventional arms improvements, U.S. security interests are jeopardized by his proposal to cancel two aircraft carriers previously authorized and funded by Congress.

Providing new policies for the maritime industry is crucial to this nation's defense capability and its economic strength. These policies must help make the industries competitive through reforms, aggressive efforts to remove barriers to the U.S. and a commitment to cooperate with the industries to their efficiency, productivity, and competitive

ment to revitalize the commercial shipbuilding industry in our country. Shipyards and the supplier base for marine

during a prolonged national emergency. As a nation, we must be able to pay for the strategic sealift capability we require. We can do this by ensuring that the needed ships are built and by helping to sustain the ships and their crews in commercial operation. We must return this nation to its foremost place among the world maritime powers through a comprehensive maritime policy.

Last year Congress slashed the Administration's budget request for the Coast Guard. We urge Congress to adjust the budget process to protect the Coast Guard appropriation, thereby removing the temptation to siphon its funds and personnel into other programs and ensuring improved coordination of government agencies in our nation's war against drugs.

### Our Nation's Technology Base

Science and technology are the keys to a better future for all. Many of the miracles we take for granted in everyday life originated in defense and space research. They have not only helped preserve the peace, but also have made America's standard of living the envy of the world.

Because of advances in science and technology, our defense budget today is actually one-third lower, as a fraction of the gross national product, than it was a generation ago.

Today, national security and technological superiority are increasingly linked by the relationship between technology and key strategies of credible and flexible deterrence, defenses against ballistic missiles, and space pre-eminence.

Investment in defense research and development must be maintained at a level commensurate with the Reagan-Bush years. This investment should be focused on efficient and effective areas such as ballistic missile defense, space, command and control, and "smart" munitions.

We support a defense budget with the necessary funds and incentives for industry to invest in new technologies and new plant and equipment. This is needed to preserve and expand our competitive edge, thereby assuring future opportunities for America's next generation in science, engineering, and manufacturing.

Our nation will benefit greatly from patent royalties and technological

Republican Party Platform Text:  
- Section on Defense

*[Handwritten signature]*

THE WHITE HOUSE  
WASHINGTON

February 28, 1989

MEMORANDUM FOR KRISTEN GEAR

FROM: ROGER B. PORTER *RBP*  
SUBJECT: Presidential Remarks: Westinghouse Science  
Winners

The draft remarks are well written and appropriately laudatory for this important event. We approve of the draft in its present form and do not recommend any changes.

cc: James W. Cicconi

## WHITE HOUSE STAFFING MEMORANDUM

DATE: 02/24/89 ACTION/CONCURRENCE/COMMENT DUE BY: C.O.B. Tuesday 02/28

SUBJECT: PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS

	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 checked="" type="checkbox"/>	NEWMAN	<input checked="" 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"/>	STUDDERT	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BATES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	UNTERMAYER	<input type="checkbox"/>	<input type="checkbox"/>
BREEDEN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>ROGERS</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>WINSTON</u>	<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>GRAHAM</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
FITZWATER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
GRAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
HAGIN	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>

**REMARKS:**

Please provide any comments/recommendations directly to the Speechwriters (Rm. 122, x2930) with an info copy to my office by close of business on Tuesday, 02/28. Thanks.

**RESPONSE:**

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

(Klugmann)  
February 24, 1989  
draft

PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS  
FRIDAY, MARCH 3, 1989

Thank you very much, and welcome to the White House. It's a pleasure to have you here. You know, I'm reminded of something President Kennedy once said: With all you remarkable young scientists here, there hasn't been such an assemblage of talent in the White House since Thomas Jefferson dined alone.

What all of you have accomplished is something to be very proud of. Not only is it a great achievement, but you really earned it. Thomas Edison said that genius is one-tenth inspiration and nine-tenths perspiration. And each of you, with your academic diligence, your intellect, and a lot of hard work, have won the oldest and largest national high school competition in the country.

Past winners of the Westinghouse Science Talent Search have distinguished themselves in every field of science and mathematics. Your predecessors have received every major award in their fields, including five Nobel prizes. And twenty-seven former Westinghouse winners have been elected as members of the National Academy of Sciences.

And what you have done is important for America. As a Nation we have no natural resource more precious than our intellectual resources. In fact, it is only through human knowledge that petroleum or copper or methanol is a resource, something that we have a use for and know how to produce. And

scientific knowledge must be renewed and expanded in each generation. For America to maintain it's technological and scientific excellence no investment in machines or laboratories, as vital as that is, will by itself be sufficient; there have to be the people who have the knowledge and the commitment. And that will be men and women like yourselves who will lead America into the next century.

You know, by one estimate, it takes 10,000 high school students expressing an interest in a science or engineering major to assure us of 20 men and women who will go on to receive doctorates. I hope that each student in this room gets a doctorate, and that some of you consider returning to the classroom as teachers to inspire a new generation of scientists for the future.

The fruits of investing in science and scientists are evident: Diseases have been cured, knowledge has been harnessed -- I was going to say that energy has been created, but let's just call it a wash and say that energy has neither been created nor destroyed.

But we truly have seen the scientific knowledge developed in the United States vastly improve the lives of our citizens and of people around the world. And today, scientists and science students from around the world are coming here to America, to do research, to study, and to teach; and this is something that our country greatly benefits from.

Yet, still, as a Nation, we need to do better. We're not producing enough scientists, mathematicians, and engineers, only about 70,000 a year at the undergraduate level. That's about the

same number that Japan produces with a total population only half the size of ours.

Initiatives from Washington are important here. But they're not enough. It is up to students and parents and teachers what direction our young people take and, ultimately, what direction our country takes. And there is only one goal that is worthy of us as Americans. And that is to be the very best in the world; to be number one. That is our history, but it is also, I believe, our destiny. Our national qualities of intellectual curiosity and innovation, our frontiersman spirit and our habit of problem-solving, all uniquely equip America for the great technological age that is dawning.

To help us move in that direction, the Federal budget I proposed would increase funding for NASA by 22 percent, and would also advance us toward our goal of doubling the budget for the National Science Foundation by 1993. I also propose full funding for the Superconducting Super Collider, and, as an incentive for private industry, a permanent Research and Engineering tax credit.

But one of the most important investments that I want us to make is in science education. So I have proposed a National Science Scholars Program that would provide 570 scholarships each year. These would be for \$10,000 a year, renewable for four years. This program would be based on merit and it would draw a young scientist from every Congressional district in the Nation, providing local inspiration and national direction for the study of science. I think no one proves better than all of you just how much our students are capable of and how important it is to provide the encouragement and resources that you need.

So let me congratulate all of you again. And now, I'm going to have a chance here to look at some of your award-winning exhibits. If I don't understand everything the first time, just stay with me and I'll get it.

Thank you very much and God bless you all.

Chris Whistler

THE WHITE HOUSE  
WASHINGTON

CABINET AFFAIRS STAFFING MEMORANDUM

Date: \_\_\_\_\_ Number: \_\_\_\_\_ Due By: 2/28 4:00

Subject: \_\_\_\_\_

	Action	FYI		Action	FYI
<b>ALL CABINET MEMBERS</b>	<input type="checkbox"/>	<input type="checkbox"/>	<b>CEA</b>	<input type="checkbox"/>	<input type="checkbox"/>
Vice President	<input type="checkbox"/>	<input type="checkbox"/>	<b>CEQ</b>	<input type="checkbox"/>	<input type="checkbox"/>
State	<input type="checkbox"/>	<input type="checkbox"/>	<b>OSTP</b>	<input type="checkbox"/>	<input type="checkbox"/>
Treasury	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
Defense	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
Justice	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
Interior	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
Agriculture	<input type="checkbox"/>	<input type="checkbox"/>			
Commerce	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>Scowcroft</b>	<input type="checkbox"/>	<input type="checkbox"/>
Labor	<input type="checkbox"/>	<input type="checkbox"/>	<b>Porter</b>	<input type="checkbox"/>	<input type="checkbox"/>
HHS	<input type="checkbox"/>	<input type="checkbox"/>	<b>Breeden</b>	<input type="checkbox"/>	<input type="checkbox"/>
HUD	<input type="checkbox"/>	<input type="checkbox"/>	<b>Cicconi (For WH Staffing)</b>	<input type="checkbox"/>	<input type="checkbox"/>
Transportation	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
Energy	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
Education	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
Veterans	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
OMB	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
USTR	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
<b>Chief of Staff</b>	<input type="checkbox"/>	<input type="checkbox"/>			
UN	<input type="checkbox"/>	<input type="checkbox"/>	<b>Executive Secretary for:</b>		
CIA	<input type="checkbox"/>	<input type="checkbox"/>	<b>DPC</b>	<input type="checkbox"/>	<input type="checkbox"/>
National Drug Policy	<input type="checkbox"/>	<input type="checkbox"/>	<b>EPC</b>	<input type="checkbox"/>	<input type="checkbox"/>
EPA	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
GSA	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
NASA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
OPM	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
SBA	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>

Comments attached

REMARKS:

RETURN TO:

David Q. Bates  
Cabinet Secretary  
456-2174  
(1st Floor, West Wing)

Associate Director  
Office of Cabinet Affairs  
456-2800  
(Room 235, OEOB)

# WHITE HOUSE STAFFING MEMORANDUM

DATE: 02/24/89 ACTION/CONCURRENCE/COMMENT DUE BY: C.O.B. Tuesday 02/28

SUBJECT: PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS

	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 checked="" type="checkbox"/>	NEWMAN	<input checked="" 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"/>	STUDDERT	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BATES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	UNTERMAYER	<input type="checkbox"/>	<input type="checkbox"/>
BREEDEN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>ROGERS</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>WINSTON</u>	<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>GRAHAM</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
FITZWATER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>                    </u>	<input type="checkbox"/>	<input type="checkbox"/>
GRAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>                    </u>	<input type="checkbox"/>	<input type="checkbox"/>
HAGIN	<input type="checkbox"/>	<input type="checkbox"/>	<u>                    </u>	<input type="checkbox"/>	<input type="checkbox"/>

**REMARKS:**

Please provide any comments/recommendations directly to the Speechwriters (Rm. 122, x2930) with an info copy to my office by close of business on Tuesday, 02/28. Thanks.

**RESPONSE:**

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

(Klugmann)  
February 24, 1989  
draft

7:27

PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS  
FRIDAY, MARCH 3, 1989

Thank you very much, and welcome to the White House. It's a pleasure to have you here. You know, I'm reminded of something President Kennedy once said: With all you remarkable young scientists here, there hasn't been such an assemblage of talent in the White House since Thomas Jefferson dined alone.

What all of you have accomplished is something to be very proud of. Not only is it a great achievement, but you really earned it. Thomas Edison said that genius is one-tenth inspiration and nine-tenths perspiration. And each of you, with your academic diligence, your intellect, and a lot of hard work, have won the oldest and largest national high school competition in the country.

Past winners of the Westinghouse Science Talent Search have distinguished themselves in every field of science and mathematics. Your predecessors have received every major award in their fields, including five Nobel prizes. And twenty-seven former Westinghouse winners have been elected as members of the National Academy of Sciences.

And what you have done is important for America. As a Nation we have no natural resource more precious than our intellectual resources. In fact, it is only through human knowledge that petroleum or copper or methanol is a resource, something that we have a use for and know how to produce. And

scientific knowledge must be renewed and expanded in each generation. For America to maintain it's technological and scientific excellence no investment in machines or laboratories, as vital as that is, will by itself be sufficient; there have to be the people who have the knowledge and the commitment. And that will be men and women like yourselves who will lead America into the next century.

You know, by one estimate, it takes 10,000 high school students expressing an interest in a science or engineering major to assure us of 20 men and women who will go on to receive doctorates. I hope that each student in this room gets a doctorate, and that some of you consider returning to the classroom as teachers to inspire a new generation of scientists for the future.

The fruits of investing in science and scientists are evident: Diseases have been cured, knowledge has been <sup>expanded from</sup> ~~harnessed~~ *the small pieces of an atom to the farthest reaches of the universe.* -- I was going to say that energy has been created, but let's just call it a wash and say that energy has neither been created nor destroyed.

But we truly have seen the scientific knowledge developed in the United States vastly improve the lives of our citizens and of people around the world. And today, scientists and science students from around the world are coming here to America, to do research, to study, and to teach; and this is something that our country greatly benefits from.

Yet, still, as a Nation, we need to do better. We're not producing enough scientists, mathematicians, and engineers, only about 70,000 a year at the undergraduate level. That's about the

same number that Japan produces with a total population only half the size of ours.

Initiatives from Washington are important here. But they're not enough. ~~It is up to~~ students and parents and teachers <sup>will deter</sup> ~~what~~ <sup>the</sup> direction our young people take and, ultimately, what direction our country takes. And there is only one goal that is worthy of us as Americans. And that is to be the very best in the world; to be number one. That is our history, but it is also, I believe, our destiny. Our national qualities of intellectual curiosity and innovation, our frontiersman spirit and our habit of problem-solving, all uniquely equip America for the great technological age that is dawning.

To help us move in that direction, the Federal budget I proposed would increase funding for NASA by 22 percent, and would also advance us toward our goal of doubling the budget for the National Science Foundation by 1993. I also propose full funding for the Superconducting Super Collider, and, as an incentive for private industry, a permanent Research and Engineering tax credit.

But one of the most important investments that I want us to make is in science education. So I have proposed a National Science Scholars Program that would provide 570 scholarships each year. These would be for \$10,000 a year, renewable for four years. This program would be based on merit and it would draw a young scientist from every Congressional district in the Nation, providing local inspiration and national direction for the study of science. I think no one proves better than all of you just how much our students are capable of and how important it is to provide the encouragement and resources that you need.

- 4 -

So let me congratulate all of you again. And now, I'm going to have a chance here to look at some of your award-winning exhibits. If I don't understand everything the first time, just stay with me and I'll get it.


Thank you very much and God bless you all.

THE WHITE HOUSE  
WASHINGTON

February 28, 1989

Memorandum to Chriss Winston

From:

Jim Pinkerton 

Re:

Comments on the NEH, Westinghouse, and Thornburgh drafts

Welcome back!

I have a few specific comments, which reflect the input of Roger Porter and Bill Roper. I also have a general comment, which is this: these speeches are well-written and flow well enough, but they tend to lack a specific hook. I realize that Tower could well be all the news the President will make this week, no matter what else he says, but it seems to Roger, Bill, and myself that we ought to strive to have one clearcut line or graf that punches through and makes reporters take notice. I know we won't necessarily achieve that goal in every speech, and that some speeches provide more obvious opportunities than others. Nevertheless, these comments represent our best effort at helping you in this effort.

NEH

Page 1, para 4 Please change "Peking" to "Beijing."

P3,p1 This is a confusing graf, that doesn't really advance the speech, and which hints at a degree of self-doubt that the President does not suffer from. I think the best course is to simply delete it.

P3,p2 The emerging "rap" on the Administration is that our budget proposal offers little more for education than "the bully pulpit." Therefore I'd add a second clause to the third sentence, e.g. "even as I make a renewed push for a shift in some of our priorities to concentrate resources on those who need help the most." That's not the most felicitous phrase, but I do think we should avoid setting ourselves up as being, as it were, all hat and no cattle.

P3,p3 While it is quite proper to praise our ancestors for building a "national public education system from scratch," we should not leave it there, neglecting private education. I suspect that many of the NEH scholars come from private schools.

P4, bottom of page Having restated some of our key proposals from the 2/9 speech, I think we need to bring out our real point, which would be something like this: "During the coming weeks, I

will transmit comprehensive legislation to the Congress detailing our proposals and asking for their help in strengthening American education."

P5,p1, last two lines I don't think this last sentence captures the President's idealism and sense of service at all. I would completely rewrite to something like this. "Teachers do not choose their profession because of its financial rewards. There are too many other ways to make a living, even a better living. However, teachers enjoy the immense satisfaction of raising the sights of the next generation. Their work makes our horizons longer and our futures brighter." Something like that. Then, having listed all the satisfactions they gain from teaching, I would mention society's effort to honor teachers. Then, and only then would I slip in a reference to money as an additional incentive. Again, the logic is the reverse of what the draft reads at present.

P6,p1, line 3 I don't think this accurately captures the thrust of Lynn Cheney's book. The real point of the book was to alert Americans to the underachievement problem. The prescription about "administrative impediments" is one of many cited. I would delete.

P7,p3+4 In the name of being extra-careful, are we sure that we're safe in citing this particular project. I take it from the text that this is a proposal, as opposed to a finished project. Even so, do we know anything about Barbara Whittaker and what she is likely to say when reporters swarm around her after the President's remarks? At an absolute minimum, we recommend that we downgrade the reference to just the title of the project, as opposed to the project itself. That gives us some cover, in case the project turns out to be something unseemly. However, we think we are on safer ground if we look into this matter more deeply or just delete it completely.

#### Westinghouse

P1,p1, line 4 I know the Jefferson reference is intended to be humorous, but I think it will come across as snotty.

P3,p3, line 6 It's a "Research and Experimentation tax credit.

#### Thornburgh

P1,p1 Given where we are in terms of Senate confirmation, I'd say, in the third line "...and the man I hope Congress will soon confirm..."

P3p1, line 1 Let's personalize it more. "Dick will tell these three governments that I am committed to a tough zero tolerance

3-3-3

policy and that the American people join with me..." I think that we should seize every opportunity to emphasize the President's personal involvement in this effort.

Thanks for taking the time to wade through all these kibitzes!

#

cc: Roger Porter  
Bill Roper

# WHITE HOUSE STAFFING MEMORANDUM

DATE: 02/24/89 ACTION/CONCURRENCE/COMMENT DUE BY: C.O.B. Tuesday 02/28

SUBJECT: PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS

	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 checked="" type="checkbox"/>	NEWMAN	<input checked="" 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"/>	STUDDERT	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BATES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	UNTERMAYER	<input type="checkbox"/>	<input type="checkbox"/>
BREEDEN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>ROGERS</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>WINSTON</u>	<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>GRAHAM</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
FITZWATER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>                    </u>	<input type="checkbox"/>	<input type="checkbox"/>
GRAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>                    </u>	<input type="checkbox"/>	<input type="checkbox"/>
HAGIN	<input type="checkbox"/>	<input type="checkbox"/>	<u>                    </u>	<input type="checkbox"/>	<input type="checkbox"/>

**REMARKS:**

Please provide any comments/recommendations directly to the Speechwriters (Rm. 122, x2930) with an info copy to my office by close of business on Tuesday, 02/28. Thanks.

**RESPONSE:**

\* Section #B of Building A Better America contains ~~several~~ several excellent quotes. In as much as we are in a budget mktg period, suggest closer tie to section #B themes.

*JWC*

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

(Klugmann)  
February 24, 1989  
draft

7:27

PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS  
FRIDAY, MARCH 3, 1989

Why do we have to quote Kennedy? Why not Ike for a change!

Thank you very much, and welcome to the White House. It's a pleasure to have you here. You know, I'm reminded of something President Kennedy once said: With all you remarkable young scientists here, there hasn't been such an assemblage of talent in the White House since Thomas Jefferson dined alone.

What all of you have accomplished is something to be very proud of. Not only is it a great achievement, but you really earned it. Thomas Edison said that genius is one-tenth inspiration and nine-tenths perspiration. And each of you, with your academic diligence, your intellect, and a lot of hard work, have won the oldest and largest national high school competition in the country.

Past winners of the Westinghouse Science Talent Search have distinguished themselves in every field of science and mathematics. Your predecessors have received every major award in their fields, including five Nobel prizes. And twenty-seven former Westinghouse winners have been elected as members of the National Academy of Sciences.

And what you have done is important for America. As a Nation we have no natural resource more precious than our intellectual resources. In fact, it is only through human knowledge that petroleum or copper or methanol is a resource, something that we have a use for and know how to produce. And

Intel?

scientific knowledge must be renewed and expanded in each generation. For America to maintain it's technological and scientific excellence no investment in machines or laboratories, as vital as that is, will by itself be sufficient; there have to be the people who have the knowledge and the commitment. And that will be men and women like yourselves who will lead America into the next century.

You know, by one estimate, it takes 10,000 high school students expressing an interest in a science or engineering major to assure us of 20 men and women who will go on to receive doctorates. I hope that each student in this room gets a doctorate, and that some of you consider returning to the classroom as teachers to inspire a new generation of scientists for the future.

The fruits of investing in science and scientists are evident: Diseases have been cured, knowledge has been harnessed,

*very weak* { -- I was going to say that energy has been created, but let's just call it a wash and say that energy has neither been created nor destroyed. *lives have been saved, the heavens have been explored. New frontiers have been conquered.*

But we truly have seen the scientific knowledge developed in the United States vastly improve the lives of our citizens and of people around the world. And today, scientists and science students from around the world are coming here to America, to do research, to study, and to teach; and this is something that our country greatly benefits from. *?) (We're exporting our technological advantage ??)*

Yet, still, as a Nation, we need to do better. We're not producing enough scientists, mathematicians, and engineers, only about 70,000 a year at the undergraduate level. That's about the

same number that Japan produces with a total population only half the size of ours.

Initiatives from Washington are important ~~here~~. But they're not enough. It is up to students and parents and teachers what direction our young people take and, ultimately, what direction our country takes. And there is only one goal that is worthy of us as Americans. And that is to be the very best in the world; to be number one. That is our history, but it is also, I believe, our destiny. Our national qualities of intellectual curiosity and innovation, our frontiersman spirit and our habit of problem-solving, all uniquely equip America for the great technological age that is dawning.

To help us move in that direction, the Federal budget I proposed would increase funding for NASA by 22 percent, and would also advance us toward our goal of doubling the budget for the National Science Foundation by 1993. I also propose full funding for the Superconducting Super Collider, and, as an incentive for private industry, a permanent Research and Engineering tax credit.

But one of the most important investments that I want us to make is in science education. So I have proposed a National Science Scholars Program that would provide 570 scholarships each year. These would be for \$10,000 a year, renewable for four years. This program would be based on merit and it would draw a young scientist from every Congressional district in the Nation, providing local inspiration and national direction for the study of science. I think no one proves better than all of you just how much our students are capable of and how important it is to provide the encouragement and resources that you need.

language  
of budget  
message  
is  
stronger.

So let me congratulate all of you again. And now, I'm going to have a chance here to look at some of your award-winning exhibits. If I don't understand everything the first time, just stay with me and I'll get it.

Thank you very much and God bless you all.

RECEIVED 10-8  
**WHITE HOUSE STAFFING MEMORANDUM**

09 FEB 27 6 7: 57  
DATE: 02/24/89 ACTION/CONCURRENCE/COMMENT DUE BY: C.O.B. Tuesday 02/28

SUBJECT: PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS

	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 checked="" type="checkbox"/>			NEWMAN	<input checked="" 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"/>			STUDDERT	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
BATES	<input checked="" type="checkbox"/>	<input type="checkbox"/>			UNTERMAYER	<input type="checkbox"/>	<input type="checkbox"/>		
BREEDEN	<input type="checkbox"/>	<input type="checkbox"/>			<u>ROGERS</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
CARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<u>WINSTON</u>	<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>GRAHAM</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
FITZWATER	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<u>                    </u>	<input type="checkbox"/>	<input type="checkbox"/>		
GRAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<u>                    </u>	<input type="checkbox"/>	<input type="checkbox"/>		
HAGIN	<input type="checkbox"/>	<input type="checkbox"/>			<u>                    </u>	<input type="checkbox"/>	<input type="checkbox"/>		

REMARKS:  
Please provide any comments/recommendations directly to the Speechwriters (Rm. 122, x2930) with an info copy to my office by close of business on Tuesday, 02/28. Thanks.

RESPONSE:

James W. Cicconi  
Assistant to the President  
and Deputy to the Chief of Staff  
Ext. 277

(Klugmann)  
February 24, 1989  
draft

7:27

PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS  
FRIDAY, MARCH 3, 1989

Thank you very much, and welcome to the White House. It's a pleasure to have you here. You know, I'm reminded of something President Kennedy once said: With all you remarkable young scientists here, there hasn't been such an assemblage of talent in the White House since Thomas Jefferson dined alone.

What all of you have accomplished is something to be very proud of. Not only is it a great achievement, but you really earned it. Thomas Edison said that genius is one-tenth inspiration and nine-tenths perspiration. And each of you, with your academic diligence, your intellect, and a lot of hard work, have won the oldest and largest national high school competition in the country.

Past winners of the Westinghouse Science Talent Search have distinguished themselves in every field of science and mathematics. Your predecessors have received every major award in their fields, including five Nobel prizes. And twenty-seven former Westinghouse winners have been elected as members of the National Academy of Sciences.

And what you have done is important for America. As a Nation we have no natural resource more precious than our intellectual resources. In fact, it is only through human knowledge that petroleum or copper or methanol is a resource, something that we have a use for and know how to produce. And

scientific knowledge must be renewed and expanded in each generation. For America to maintain its technological and scientific excellence no investment in machines or laboratories, as vital as that is, will by itself be sufficient; there have to be the people who have the knowledge and the commitment. And that will be men and women like yourselves who will lead America into the next century.

You know, by one estimate, it takes 10,000 high school students expressing an interest in a science or engineering major to assure us of 20 men and women who will go on to receive doctorates. I hope that each student in this room gets a doctorate, and that some of you consider returning to the classroom as teachers to inspire a new generation of scientists for the future.

The fruits of investing in science and scientists are evident: Diseases have been cured, knowledge has been harnessed -- I was going to say that energy has been created, but let's just call it a wash and say that energy has neither been created nor destroyed.

But we truly have seen the scientific knowledge developed in the United States vastly improve the lives of our citizens and of people around the world. And today, scientists and science students from around the world are coming here to America, to do research, to study, and to teach; and this is something that our country greatly benefits from.

Yet, still, as a Nation, we need to do better. We're not producing enough scientists, mathematicians, and engineers, only about 70,000 a year at the undergraduate level. That's about the

same number that Japan produces with a total population only half the size of ours.

Initiatives from Washington are important here. But they're not enough. It is up to students and parents and teachers what direction our young people take and, ultimately, what direction our country takes. And there is only one goal that is worthy of us as Americans. And that is to be the very best in the world; to be number one. That is our history, but it is also, I believe, our destiny. Our national qualities of intellectual curiosity and innovation, our frontiersman spirit and our habit of problem-solving, all uniquely equip America for the great technological age that is dawning.

To help us move in that direction, the Federal budget I proposed would increase funding for NASA by 22 percent, and would also advance us toward our goal of doubling the budget for the National Science Foundation by 1993. I also propose full funding for the Superconducting Super Collider, and, as an incentive for private industry, a permanent Research and <sup>Experimentation</sup> ~~Engineering~~ tax credit. Ed Walsh  
3080

But one of the most important investments that I want us to make is in science education. So I have proposed a National Science Scholars Program that would provide 570 scholarships each year. These would be for <sup>up to</sup> \$10,000 a year, renewable for four years. This program would be based on merit and it would draw at least one young scientist from every Congressional district in the Nation, providing local inspiration and national direction for the study of science. I think no one proves better than all of you just how much our students are capable of and how important it is to provide the encouragement and resources that you need.

(Holen  
45178)

least one

- 4 -

So let me congratulate all of you again. And now, I'm going to have a chance here to look at some of your award-winning exhibits. If I don't understand everything the first time, just stay with me and I'll get it.

Thank you very much and God bless you all.

## WHITE HOUSE STAFFING MEMORANDUM

DATE: 02/24/89 ACTION/CONCURRENCE/COMMENT DUE BY: C.O.B. Tuesday 02/28

SUBJECT: PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS

	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 checked="" type="checkbox"/>	NEWMAN	<input checked="" 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"/>	STUDDERT	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BATES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	UNTERMAYER	<input type="checkbox"/>	<input type="checkbox"/>
BREEDEN	<input type="checkbox"/>	<input type="checkbox"/>	<u>ROGERS</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>WINSTON</u>	<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>GRAHAM</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
FITZWATER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>                    </u>	<input type="checkbox"/>	<input type="checkbox"/>
GRAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>                    </u>	<input type="checkbox"/>	<input type="checkbox"/>
HAGIN	<input type="checkbox"/>	<input type="checkbox"/>	<u>                    </u>	<input type="checkbox"/>	<input type="checkbox"/>

**REMARKS:**

Please provide any **comments/recommendations** directly to the Speechwriters (Rm. 122, x2930) with an info copy to my office by **close of business on Tuesday, 02/28.** Thanks.

**RESPONSE:**

See suggestion on page <sup>1 and</sup> 2. (M.C. English for Dr. Graham)

We suggest mentioning the National Medal of Science since it is "the President's own" and an extremely high honor. *me*

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

(Klugmann)  
February 24, 1989  
draft

PM 7:27

PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS  
FRIDAY, MARCH 3, 1989

Thank you very much, and welcome to the White House. It's a pleasure to have you here. You know, I'm reminded of something President Kennedy once said: With all you remarkable young scientists here, there hasn't been such an assemblage of talent in the White House since Thomas Jefferson dined alone.

What all of you have accomplished is something to be very proud of. Not only is it a great achievement, but you really earned it. Thomas Edison said that genius is one-tenth inspiration and nine-tenths perspiration. And each of you, with your academic diligence, your intellect, and a lot of hard work, have won the oldest and largest national high school competition in the country.

Past winners of the Westinghouse Science Talent Search have distinguished themselves in every field of science and mathematics. Your predecessors have received every major award in their fields, *Several have won the National Medal of Science;* including five Nobel prizes. *And twenty-seven former Westinghouse winners have been elected as members of the National Academy of Sciences.* *have won the a*

And what you have done is important for America. As a Nation we have no natural resource more precious than our intellectual resources. In fact, it is only through human knowledge that petroleum or copper or methanol is a resource, something that we have a use for and know how to produce. And

scientific knowledge must be renewed and expanded in each generation. For America to maintain it's technological and scientific excellence no investment in machines or laboratories, as vital as that is, will by itself be sufficient; there have to be the people who have the knowledge and the commitment. And that will be men and women like yourselves who will lead America into the next century.

You know, by one estimate, it takes 10,000 high school students expressing an interest in a science or engineering major to assure us of 20 men and women who will go on to receive doctorates. I hope that each student in this room gets a doctorate, and that some of you consider returning to the classroom as teachers to inspire a new generation of scientists for the future.

The fruits of investing in science and scientists are evident: Diseases have been cured, knowledge has been harnessed -- I was going to say that energy has been created, but let's just call it a wash and say that energy has neither been created nor destroyed. *-- just changed into more useful forms.*

But we truly have seen the scientific knowledge developed in the United States vastly improve the lives of our citizens and of people around the world. And today, scientists and science students from around the world are coming here to America, to do research, to study, and to teach; and this is something that our country greatly benefits from.

Yet, still, as a Nation, we need to do better. We're not producing enough scientists, mathematicians, and engineers, only about 70,000 a year at the undergraduate level. That's about the

same number that Japan produces with a total population only half the size of ours.

Initiatives from Washington are important here. But they're not enough. It is up to students and parents and teachers what direction our young people take and, ultimately, what direction our country takes. And there is only one goal that is worthy of us as Americans. And that is to be the very best in the world; to be number one. That is our history, but it is also, I believe, our destiny. Our national qualities of intellectual curiosity and innovation, our frontiersman spirit and our habit of problem-solving, all uniquely equip America for the great technological age that is dawning.

To help us move in that direction, the Federal budget I proposed would increase funding for NASA by 22 percent, and would also advance us toward our goal of doubling the budget for the National Science Foundation by 1993. I also propose full funding for the Superconducting Super Collider, and, as an incentive for private industry, a permanent Research and Engineering tax credit.

But one of the most important investments that I want us to make is in science education. So I have proposed a National Science Scholars Program that would provide 570 scholarships each year. These would be for \$10,000 a year, renewable for four years. This program would be based on merit and it would draw a young scientist from every Congressional district in the Nation, providing local inspiration and national direction for the study of science. I think no one proves better than all of you just how much our students are capable of and how important it is to provide the encouragement and resources that you need.

- 4 -

So let me congratulate all of you again. And now, I'm going to have a chance here to look at some of your award-winning exhibits. If I don't understand everything the first time, just stay with me and I'll get it.

Thank you very much and God bless you all.

# WHITE HOUSE STAFFING MEMORANDUM

DATE: 02/24/89 ACTION/CONCURRENCE/COMMENT DUE BY: C.O.B. Tuesday 02/28

SUBJECT: PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS

	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 checked="" type="checkbox"/>	NEWMAN	<input checked="" 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"/>	STUDDERT	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BATES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	UNTERMEYER	<input type="checkbox"/>	<input type="checkbox"/>
BREEDEN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>ROGERS</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>WINSTON</u>	<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>GRAHAM</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
FITZWATER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>                    </u>	<input type="checkbox"/>	<input type="checkbox"/>
GRAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>                    </u>	<input type="checkbox"/>	<input type="checkbox"/>
HAGIN	<input type="checkbox"/>	<input type="checkbox"/>	<u>                    </u>	<input type="checkbox"/>	<input type="checkbox"/>

**REMARKS:**

Please provide any comments/recommendations directly to the Speechwriters (Rm. 122, x2930) with an info copy to my office by close of business on Tuesday, 02/28. Thanks.

**RESPONSE:**

February 28, 1989

TO: DAVID F. DEMAREST, JR.

NSC concurs with changes noted.

  
Brent Scowcroft

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

cc: James W. Cicconi

(Klugmann)  
February 24, 1989  
draft

7:27

PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS  
FRIDAY, MARCH 3, 1989

Thank you very much, and welcome to the White House. It's a pleasure to have you here. You know, I'm reminded of something President Kennedy once said: With all you remarkable young scientists here, there hasn't been such an assemblage of talent in the White House since Thomas Jefferson dined alone.

What all of you have accomplished is something to be very proud of. Not only is it a great achievement, but you really earned it. Thomas Edison said that genius is ~~one-tenth~~ *one percent* inspiration and ~~nine-tenths~~ *ninety-nine percent* perspiration. And each of you, with your academic diligence, your intellect, and a lot of hard work, have won the oldest and largest national high school competition in the country.

Past winners of the Westinghouse Science Talent Search have distinguished themselves in every field of science and mathematics. Your predecessors have received every major award in their fields, including five Nobel prizes. ~~And~~ *T* twenty-seven former Westinghouse winners have been elected as members of the National Academy of Sciences.

~~And~~ what you have done is important for America. As a Nation we have no natural resources *n* more precious than our intellectual resources. In fact, it is only through human knowledge that ~~petroleum~~ *oil* or copper or ~~methanol~~ *sand* ~~is a resource~~ *are natural resources* ~~something~~ *are vital to our economic well-being* that we have a use for and ~~know how to produce~~ *And*

\* See attached Edison quote from  
Bartlett's.

Such

of course,

- 2 -

scientific knowledge must be renewed and expanded in each generation. For America to maintain ~~its~~<sup>its</sup> technological and scientific excellence, no investment in machines or laboratories, — as vital as that is, — will by itself be sufficient; there ~~have to~~<sup>must be</sup> a dynamic group of people within our population dedicated to creating be the people who have the knowledge and the commitment. And ~~the new knowledge which we will need.~~ that will be men and women like yourselves who will lead America into the next century.

You know, by one estimate, it takes 10,000 high school students expressing an interest in a science or engineering major to assure us of 20 men and women who will go on to receive doctorates. I hope that each student in this room gets a doctorate, ~~and that~~<sup>or pursues a career in science and technology.</sup> some of you consider returning to the classroom as teachers to inspire a new generation of scientists for the future. ~~I hope too that~~<sup>will</sup>

The fruits of investing in science and scientists are evident: ~~d~~ Diseases have been cured, knowledge has been harnessed -- I was going to say that energy has been created, but let's just call it a wash and say that energy has neither been created nor destroyed.

But we truly have seen the scientific knowledge developed in the United States vastly improve the lives of our citizens and of people around the world. ~~And~~<sup>And</sup> today, scientists and science students ~~from around the world are coming here~~<sup>come</sup> to America ~~to do~~<sup>from all around</sup> research, to study, and to teach, ~~and this is~~<sup>the globe</sup> something that our country greatly benefits from.

Yet, still, as a <sup>n</sup> Nation, we need to do better. We're not producing enough scientists, mathematicians, and engineers, — only about 70,000 a year at the undergraduate level. That's about the

same number that Japan produces with a total population only half the size of ours.

Initiatives from Washington are important ~~here~~. *in tackling this problem* But they're not enough. It is up to students and parents and teachers what direction our young people take and, ultimately, what direction our country takes. ~~And~~ <sup>T</sup> there is only one goal that is worthy of us as Americans. ~~And~~ that is to be the very best in the world, - to be number one. That is our history, but it is also, I believe, our destiny. Our national qualities of intellectual curiosity and innovation, our frontiersman spirit and our habit of problem-solving, all uniquely equip America for the great technological age that is dawning.

To help us move in that direction, the Federal budget I proposed would increase funding for NASA by 22 percent, and would also advance us toward our goal of doubling the budget for the National Science Foundation by 1993. I also propose full funding for the Superconducting Super Collider, and, as an incentive for private industry, a permanent Research and Engineering tax credit.

~~But~~ <sup>however,</sup> one of the most important investments that I want us to make, is in science education. ~~so~~ <sup>therefore</sup> I have <sup>^</sup> proposed a National Science Scholars Program that would provide 570 scholarships each year. These <sup>^</sup> <sup>scholarships</sup> would be for \$10,000 a year, renewable for four years. This program would be based on merit and it would draw a young scientist from every Congressional district in the <sup>n</sup> Nation, providing local inspiration and national direction for the study of science. I think no one proves better than all of you just how much our students are capable of and how important it is to provide the encouragement and resources that you need.

So let me congratulate all of you again. And now, I'm going to have a chance here to look at some of your award-winning exhibits. If I don't understand everything the first time, just stay with me and I'll get it.

Thank you very much and God bless you all.

eton — Blake  
 Stubbs  
 ence  
 r me.<sup>1</sup>  
 uture Judgment  
 [1876]  
 Tabb  
 Evolution  
 ut to marry.—  
 VIII, p. 1 [1845]  
 d you takes your  
 X, 16 [1846]  
 r mind.  
 ter.  
 XXIX, 19 [1855]  
 urts 'un, it's the  
 along the 'ard 'igh  
 XXX, 218 [1856]  
 l in an oak,  
 ss he spoke;  
 re he heard,  
 at wise bird!  
 XVIII, 155 [1875]  
 y dear, it's vulgar.  
 Almanac [1876]  
 ith—ah—in that  
 XCVII, 38 [1884]  
 ad egg, Mr. Jones.  
 you! Parts of it are  
 CIX, 222 [1895]  
 e Blake  
 '3  
 ee top,  
 : cradle will rock,  
 he cradle will fall,  
 r, cradle and all.  
 Attributed  
 enson, 668:22.

Bloy — Cheney

Léon Bloy  
 1846-1917

- 1 Suffering is an auxiliary of creation.  
*Pages de Léon Bloy, Choiesies par Raïssa Maritain [1951]*
- 2 When you ask God to send you trials, you may be sure your prayer will be granted.  
*Ib. Pensées Détachées*

Daniel Hudson Burnham  
 1846-1912

- 3 Make no little plans; they have no magic to stir men's blood. *Attributed*<sup>1</sup>

Joseph Ignatius Constantine Clarke  
 1846-1925

- 4 "Well, here's to good honest fighting blood!" Said Kelly and Burke and Shea.  
*The Fighting Race, st. 4*

Charles Prestwick Scott  
 1846-1932

- 5 The primary office of a newspaper is the gathering of news . . . comment is free, but facts are sacred.  
*In the Manchester Guardian [May 6, 1926]*<sup>2</sup>

Edward Noyes Westcott  
 1846-1898

- 6 The' ain't nothin' truer in the Bible 'n that sayin' thet them that has gits.  
*David Harum [1898], ch. 35*

Alexander Graham Bell  
 1847-1922

- 7 Mr. Watson, come here, I want you.<sup>3</sup>  
*To his assistant [March 10, 1876]*

Thomas Alva Edison  
 1847-1931

- 8 There is no substitute for hard work.  
*Life [1932], ch. 24*

<sup>1</sup>This quotation is now doubted. See HENRY M. SAYLOR, "Make No Little Plans: Daniel Burnham Thought It but Did He Say It?," *Journal of the American Institute of Architects*, 27 [1957]: 3.

<sup>2</sup>Its one hundredth anniversary.

<sup>3</sup>The first intelligible words transmitted by telephone.

- 9 Genius is one percent inspiration and ninety-nine percent perspiration. *Ib.*

John Locke  
 1847-1889

- 10 O Ireland, isn't it grand you look—  
 Like a bride in her rich adornin'?  
 And with all the pent-up love of my heart  
 I bid you the top o' the mornin'!  
*The Exile's Return (Th' an'am an Dhia: My Soul to God), st. 1*

Alice Meynell  
 1847-1922

- 11 She walks—the lady of my delight—  
 A shepherdess of sheep.  
*The Shepherdess, st. 1*

Julia A. Moore<sup>4</sup>  
 1847-1920

- 12 Leave off the agony, leave off style,  
 Unless you've got money by you all the while.  
*Leave Off the Agony in Style*

Milton Nobles  
 1847-1924

- 13 The villain still pursued her.  
*The Phoenix [1875], act I, sc. iii*

George Robert Sims  
 1847-1922

- 14 It was Christmas Day in the workhouse.  
*Christmas Day in the Workhouse, st. 1*

Arthur James Balfour  
 1848-1930

- 15 Biography should be written by an acute enemy.  
*Quoted by S. K. RATCLIFFE in the London Observer [January 30, 1927]*

John Vance Cheney  
 1848-1922

- 16 Who drives the horses of the sun  
 Shall lord it but a day.  
*The Happiest Heart, st. 1*

<sup>4</sup>"The Sweet Singer of Michigan."

# WHITE HOUSE STAFFING MEMORANDUM

**DATE:** 02/24/89      **ACTION/CONCURRENCE/COMMENT DUE BY:** C.O.B. Tuesday 02/28

**SUBJECT:** PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS

	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 checked="" type="checkbox"/>	NEWMAN	<input checked="" 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"/>	STUDDERT	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BATES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	UNTERMAYER	<input type="checkbox"/>	<input type="checkbox"/>
BREEDEN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>ROGERS</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>WINSTON</u>	<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>GRAHAM</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
FITZWATER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
GRAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
HAGIN	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>

**REMARKS:**

Please provide any comments/recommendations directly to the Speechwriters (Rm. 122, x2930) with an info copy to my office by close of business on Tuesday, 02/28. Thanks.

**RESPONSE:** *OK gzw*

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

(Klugmann)  
February 24, 1989  
draft

PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS  
FRIDAY, MARCH 3, 1989

Thank you very much, and welcome to the White House. It's a pleasure to have you here. You know, I'm reminded of something President Kennedy once said: With all you remarkable young scientists here, there hasn't been such an assemblage of talent in the White House since Thomas Jefferson dined alone.

What all of you have accomplished is something to be very proud of. Not only is it a great achievement, but you really earned it. Thomas Edison said that genius is one-tenth inspiration and nine-tenths perspiration. And each of you, with your academic diligence, your intellect, and a lot of hard work, have won the oldest and largest national high school competition in the country.

Past winners of the Westinghouse Science Talent Search have distinguished themselves in every field of science and mathematics. Your predecessors have received every major award in their fields, including five Nobel prizes. And twenty-seven former Westinghouse winners have been elected as members of the National Academy of Sciences.

And what you have done is important for America. As a Nation we have no natural resource more precious than our intellectual resources. In fact, it is only through human knowledge that petroleum or copper or methanol is a resource, something that we have a use for and know how to produce. And

scientific knowledge must be renewed and expanded in each generation. For America to maintain it's technological and scientific excellence no investment in machines or laboratories, as vital as that is, will by itself be sufficient; there have to be the people who have the knowledge and the commitment. And that will be men and women like yourselves who will lead America into the next century.

You know, by one estimate, it takes 10,000 high school students expressing an interest in a science or engineering major to assure us of 20 men and women who will go on to receive doctorates. I hope that each student in this room gets a doctorate, and that some of you consider returning to the classroom as teachers to inspire a new generation of scientists for the future.

The fruits of investing in science and scientists are evident: Diseases have been cured, knowledge has been harnessed -- I was going to say that energy has been created, but let's just call it a wash and say that energy has neither been created nor destroyed.

But we truly have seen the scientific knowledge developed in the United States vastly improve the lives of our citizens and of people around the world. And today, scientists and science students from around the world are coming here to America, to do research, to study, and to teach; and this is something that our country greatly benefits from.

Yet, still, as a Nation, we need to do better. We're not producing enough scientists, mathematicians, and engineers, only about 70,000 a year at the undergraduate level. That's about the

same number that Japan produces with a total population only half the size of ours.

Initiatives from Washington are important here. But they're not enough. It is up to students and parents and teachers what direction our young people take and, ultimately, what direction our country takes. And there is only one goal that is worthy of us as Americans. And that is to be the very best in the world; to be number one. That is our history, but it is also, I believe, our destiny. Our national qualities of intellectual curiosity and innovation, our frontiersman spirit and our habit of problem-solving, all uniquely equip America for the great technological age that is dawning.

To help us move in that direction, the Federal budget I proposed would increase funding for NASA by 22 percent, and would also advance us toward our goal of doubling the budget for the National Science Foundation by 1993. I also propose full funding for the Superconducting Super Collider, and, as an incentive for private industry, a permanent Research and Engineering tax credit.

But one of the most important investments that I want us to make is in science education. So I have proposed a National Science Scholars Program that would provide 570 scholarships each year. These would be for \$10,000 a year, renewable for four years. This program would be based on merit and it would draw a young scientist from every Congressional district in the Nation, providing local inspiration and national direction for the study of science. I think no one proves better than all of you just how much our students are capable of and how important it is to provide the encouragement and resources that you need.

So let me congratulate all of you again. And now, I'm going to have a chance here to look at some of your award-winning exhibits. If I don't understand everything the first time, just stay with me and I'll get it.

Thank you very much and God bless you all.

stuffed

(Klugmann)  
February 24, 1989  
draft

PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS  
FRIDAY, MARCH 3, 1989

Thank you very much, and welcome to the White House. It's a pleasure to have you here. You know, I'm reminded of something President Kennedy once said: With all you remarkable young scientists here, there hasn't been such an assemblage of talent in the White House since Thomas Jefferson dined alone.

What all of you have accomplished is something to be very proud of. Not only is it a great achievement, but you really earned it. Thomas Edison said that genius is one-tenth inspiration and nine-tenths perspiration. And each of you, with your academic diligence, your intellect, and a lot of hard work, have won the oldest and largest national high school competition in the country.

Past winners of the Westinghouse Science Talent Search have distinguished themselves in every field of science and mathematics. Your predecessors have received every major award in their fields, including five Nobel prizes. And twenty-seven former Westinghouse winners have been elected as members of the National Academy of Sciences.

And what you have done is important for America. As a Nation we have no natural resource more precious than our intellectual resources. In fact, it is only through human knowledge that petroleum or copper or methanol is a resource, something that we have a use for and know how to produce. And

scientific knowledge must be renewed and expanded in each generation. For America to maintain its technological and scientific excellence no investment in machines or laboratories, as vital as that is, will by itself be sufficient; there have to be the people who have the knowledge and the commitment. And that will be men and women like yourselves who will lead America into the next century.

You know, by one estimate, it takes 10,000 high school students expressing an interest in a science or engineering major to assure us of 20 men and women who will go on to receive doctorates. I hope that each student in this room gets a doctorate, and that some of you consider returning to the classroom as teachers to inspire a new generation of scientists for the future.

The fruits of investing in science and scientists are evident: Diseases have been cured, knowledge has been harnessed -- I was going to say that energy has been created, but let's just call it a wash and say that energy has neither been created nor destroyed.

But we truly have seen the scientific knowledge developed in the United States vastly improve the lives of our citizens and of people around the world. And today, scientists and science students from around the world are coming here to America, to do research, to study, and to teach; and this is something that our country greatly benefits from.

Yet, still, as a Nation, we need to do better. We're not producing enough scientists, mathematicians, and engineers, only about 70,000 a year at the undergraduate level. That's about the

same number that Japan produces with a total population only half the size of ours.

Initiatives from Washington are important here. But they're not enough. It is up to students and parents and teachers what direction our young people take and, ultimately, what direction our country takes. And there is only one goal that is worthy of us as Americans. And that is to be the very best in the world; to be number one. That is our history, but it is also, I believe, our destiny. Our national qualities of intellectual curiosity and innovation, our frontiersman spirit and our habit of problem-solving, all uniquely equip America for the great technological age that is dawning.

To help us move in that direction, the Federal budget I proposed would increase funding for NASA by 22 percent, and would also advance us toward our goal of doubling the budget for the National Science Foundation by 1993. I also propose full funding for the Superconducting Super Collider, and, as an incentive for private industry, a permanent Research and Engineering tax credit.

But one of the most important investments that I want us to make is in science education. So I have proposed a National Science Scholars Program that would provide 570 scholarships each year. These would be for \$10,000 a year, renewable for four years. This program would be based on merit and it would draw a young scientist from every Congressional district in the Nation, providing local inspiration and national direction for the study of science. I think no one proves better than all of you just how much our students are capable of and how important it is to provide the encouragement and resources that you need.

So let me congratulate all of you again. And now, I'm going to have a chance here to look at some of your award-winning exhibits. If I don't understand everything the first time, just stay with me and I'll get it.

Thank you very much and God bless you all.

WHITE HOUSE STAFFING MEMORANDUM

DATE: 3/2/89 ACTION/CONCURRENCE/COMMENT DUE BY: -----

SUBJECT: PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE TALENT AWARD WINNERS

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

REMARKS: FYI. The attached has been forwarded to the President.

\* President had no changes 3/2/89 3:00pm

RESPONSE: Go to cards

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

(Klugmann)  
March 2, 1989

9:00 a.m.

9:00 AM - 2 AM 9:07

PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE WINNERS  
NATIONAL ACADEMY OF SCIENCES BUILDING  
FRIDAY, MARCH 3, 1989

Thank you very much. It's a pleasure to be here and to have this chance to see so many of your remarkable science projects. Thank you for your patience in explaining some of these exhibits to me. I'm not saying that I didn't understand everything, but I just want to say: I hope there's no test afterwards.

Really, what all of you have accomplished is something to be very proud of. Not only is it a great achievement, but you really earned it. Thomas Edison said that genius is one percent inspiration and ninety-nine percent perspiration. And each of you, with your academic diligence, your intellect, and a lot of hard work, have won the oldest and largest national high school competition in the country.

Past winners of the Westinghouse Science Talent Search have distinguished themselves in every field of science and mathematics. Your predecessors have received every major honor and award in their fields, including the Nobel prize and the National Medal of Science.

And what you have done is important for America. Scientific and technological advancement have always been at the very heart of our Nation's pioneer spirit, pushing the boundaries of our knowledge, creating economic opportunity, and increasing our standard of living.

As a Nation we have no natural resource more precious than our intellectual resources. In fact, it is only thanks to human knowledge and ingenuity that crude oil becomes a valuable fuel, that fields of grain become methanol, or that grains of sand become silicon chips.

Scientific knowledge must be renewed and expanded in each generation. Many of the miracles we take for granted in everyday life originated in defense and space research. This investment in new technologies and new plant and equipment helps expand our competitive edge, thereby assuring future opportunities for America's next generation in science, engineering, and manufacturing. But for America to maintain its technological and scientific excellence, no investment in machines or laboratories, as vital as that is, will by itself be sufficient; there have to be the people who have the knowledge and the commitment. And that will be men and women like yourselves who will lead America into the next century.

You know, by one estimate, it takes 10,000 high school students expressing an interest in a science or engineering major to assure us of 20 men and women who will go on to receive doctorates. I hope that each student in this room gets a doctorate, or pursues a career in science and technology, and that some of you consider returning to the classroom as teachers to inspire a new generation of scientists for the future.

The fruits of investing in science and scientists are evident: Human intelligence has explored the vastness of outer space and the inner frontiers of the particles of the atom; diseases have been cured, knowledge has been harnessed -- (and energy... I was going to say that energy has been created, but

then I remembered the laws of thermodynamics. So let's just call it a wash and say that energy has neither been created nor destroyed.))

But we truly have seen the scientific knowledge developed in the United States vastly improve the lives of our citizens and of people around the world. And today, international scientists and science students are coming here to America, to do research, to study, and to teach; and this is something that our country greatly benefits from.

Yet, still, as a Nation, we need to do better. We're not producing enough scientists, mathematicians, and engineers. American universities confer only about 77,000 engineering degrees a year at the undergraduate level. That's about the same number that Japan produces with a total population only half the size of ours.

Initiatives from Washington are important here. But they're not enough. Students and parents and teachers will determine the direction our young people take and, ultimately, what direction our country takes. And there is only one goal that is worthy of us as Americans. And that is to be the very best in the world; to be number one. That is our history, but it is also, I believe, our destiny. Our national qualities of intellectual curiosity and innovation, our frontier spirit and our habit of problem-solving, all uniquely equip America for the great technological age that is dawning.

To help us move in that direction, the Federal budget I proposed would increase funding for NASA by 22 percent, and would also advance us toward our goal of doubling the budget for the National Science Foundation by 1993. I also proposed full

funding for the Superconducting Super Collider, and, as an incentive for private industry, a permanent Research and Experimentation tax credit.

But one of the most important investments that I want us to make is in science education. So I have proposed a National Science Scholars Program that would provide 570 scholarships each year. These would be for up to \$10,000 a year, for four years. This program would be based on merit and it would draw at least one young scientist from every Congressional district in the Nation, providing local inspiration and national leadership for the study of science. I think no one proves better than all of you just how much our students are capable of and how important it is to provide the encouragement and resources that you need.

So let me congratulate all of you again. I think you are all destined for great things.

Thank you very much and God bless you all.

# # #

THE WHITE HOUSE

Office of the Press Secretary

For Immediate Release

March 3, 1989

REMARKS BY THE PRESIDENT  
TO WINNERS OF  
WESTINGHOUSE SCIENCE TALENT SEARCH

The National Academy of Sciences Building  
Washington, D.C.

2:20 P.M. EST

THE PRESIDENT: Thank you very much. Thank you, Mr. Marous, and all of what you at Westinghouse do for this outstanding concept. Doctor Press -- last time I saw Frank Press -- maybe it wasn't the last time, but he'd just received an honorary degree at a graduation ceremony where there were 50,000 people present at Ohio State University -- well-deserved honor, that he well-deserved, as a matter of fact, for prestige he's given to science in this country. And when he salutes a group like this, why, it makes a big impression on me as well.

I want to thank you all -- Dr. Seaborg, whose reputation is well-known to everybody here; and John as well, for explaining some of the exhibits to me. (Laughter.) I had done a lot in the field of the viability of MVM Parvo Virus. (Laughter.) And then at night I like to curl up with a book on mapping mutants. (Laughter.) And every once in a while, when I have some spare time, Barbara and I read aloud about the behavior of the inhibitions of sialidases. (Laughter.)

So we have a lot in common with these researchers here. (Laughter.) But I'll tell you, I'm glad there's no quiz. (Laughter.) And I am so impressed and I expect everybody here has had a chance to look at these studies. And I'll tell you, it just reaffirms your basic faith in the young people of this country and in the -- I'd say also, in the academic process. Yesterday we saluted some teachers over at the White House and, boy, I wish I'd seen this before I'd had -- before I'd been over there to pay my respects to the teachers who help these young minds.

But really, what all of you have accomplished is really something to be proud of. Not only is it a great achievement, but you really earned these honors. Thomas Edison said that genius is one percent inspiration and 99 percent perspiration. Well, each of you, with your academic diligence and your intellect and a lot of hard work, have won the oldest and largest national high school competition in the entire country.

And past winners of the Westinghouse Talent Search have distinguished themselves in many of the

As a result of these advances, the United States and other nations have led the way through the Montreal Protocol, through -- towards reductions of CFCs. And that Protocol will reduce CFCs to 50 percent of 1986 levels by the year 1998. But recent studies indicate that this 50-percent reduction may not be enough. And that's -- I thought some of you interested in that field might like to know that I today asked Bill Reilly, our new EPA Administrator, to join with other nations this weekend as he goes abroad in supporting the call for the elimination of CFCs by the year 2000, provided the safe substitutes are available. And, of course, such a phaseout must be guided by the scientific, economic, and technological assessments under the Protocol.

As a nation, we have no natural resource more precious than our intellectual resources. In fact, it's only thanks to human knowledge and ingenuity that crude oil became a valuable fuel and that fields of grain become methanol, or that grains of sand become silicon chips.

Scientific knowledge must be renewed and expanded in each generation. Many of the miracles that we take for granted in everyday life originated in defense and space research. This investment in new technologies and new plant and equipment helps expand our competitive edge as a nation, and thereby assuring future opportunities for America's next generation in science, engineering, and manufacturing. But for our country to maintain its technological and scientific excellence, no investment in machines or laboratories, as vital as that may be, will, by itself, be sufficient. There have to be the people who have the knowledge and the commitment. And that will be men and women like yourselves who will lead America into the next century.

You know, by one estimate, it takes 10,000 high school students expressing an interest in a science or engineering major to assure us of 20 men and women who will go on to receive doctorate degrees. And I hope that each student in this room gets a doctorate, or pursues a career of one kind or another in science and technology, and that some of you consider returning to the classroom as teachers to inspire a new generation of scientists for the future.

The fruits of investing in science and scientists are evident. Human intelligence has explored the vastness of outer space and the inner frontiers of the particles of the atom; diseases have been cured, knowledge has been harnessed and energy -- I was going to say that energy has been created, but then I remembered the laws of thermodynamics. So let's just call it a wash -- (laughter) -- and say that energy has neither been created nor destroyed. (Laughter.) And please don't debate me on that, Glenn. (Laughter.)

But we truly have seen the scientific knowledge developed in the United States vastly improve the lives of our citizens and of people around the world. And today, international scientists and science students are coming here to America, to do research, to study, to teach; and this is something that our country greatly benefits from.

Yet, still, as a nation, let's face it, we've got to do

curiosity and innovation, our frontier spirit and our habit of problem-solving all uniquely equip America for the great technological age that is dawning.

To help us move in that direction, the federal budget I propose would, as Frank said, increase funding for -- maybe he didn't cover this point -- but for NASA by 22 percent, would also advance us toward our goal of doubling the budget for the National Science Foundation by 1993. I also proposed full funding for the Superconducting Super Collider, and even though I'm from Texas, people seem to understand. (Laughter.) And as an incentive for private industry, a permanent research and experimentation tax credit.

But one of the most important investments that I want us to make is in science education. So I have proposed a National Science Scholars Program that would provide 570 scholarships a year. And these would be for up to \$10,000 a year, for four years. And this program would be based on merit and it would draw at least one young scientist from every district, every congressional district -- 435 across the entire United States -- providing local inspiration and national leadership for the study of science. And I think no one proves better than all of you just how much our students are capable of and how important it is to provide the encouragement and resources that you need. And when you couple this modest federal effort with what Westinghouse and others are doing in this area across the country, we do have something significant and I'd say unique in our country.

So I came over here to congratulate the sponsors, to congratulate the scientists who have given their blessing to this innovative program and especially, to congratulate all of you achievers. I think all of you are destined for great things. And if you've got any skeptics out in the audience, go next door and take a look and you'll see exactly what I mean.

Thank you and God bless all of you. (Applause.)

END

2:31 P.M. EST