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**OA/ID Number:** 13558  
**Folder ID Number:** 13558-002

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**Folder Title:**  
Westinghouse Address 3/4/91 [OA 6030]

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WHITE HOUSE STAFFING MEMORANDUM

91 FEB 27 P3:19

DATE: 2/25/91- ACTION/CONCURRENCE/COMMENT DUE BY: 2/27/91 NOON

SUBJECT: PRESIDENTIAL REMARKS: WESTINGHOUSE ADDRESS

	ACTION FYI			ACTION FYI	
VICE PRESIDENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	MCCLURE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SUNUNU	<input type="checkbox"/>	<input type="checkbox"/>	NEWMAN	<input type="checkbox"/>	<input type="checkbox"/>
SCOWCROFT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PORTER	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DARMAN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ROGICH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BRADY	<input type="checkbox"/>	<input checked="" type="checkbox"/>	UNTERMAYER	<input type="checkbox"/>	<input type="checkbox"/>
CARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>ROGERS</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DEMAREST	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>WINSTON</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
FITZWATER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>BROMLEY</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GRAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
HOLIDAY 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS:

Please forward your comments directly to Chriss Winston, Rm. 122, x2930, no later than NOON, Wednesday, February 27, with a copy to this office. Thank you.

RESPONSE:

*See comments. Thanks,  
Nelly Williamson  
2-27-91*

PHILLIP D. BRADY  
Assistant to the President  
and Staff Secretary  
Ext. 2702

Please see the Commerce insert below on travel & tourism that they would like included in one of the President's speeches this week.

**SUGGESTED INSERT TO THE PRESIDENT'S SPEECH TO ASAE**

You know, there is one more way those of you in this room can help strengthen our Nation's economy. Every one of your organizations keeps America moving by holding conferences and conventions. I hope that not one member of ASAE will cancel a single one of your events. By keeping your members moving around this country, by keeping Americans traveling you will keep the economy growing.

This is one of the challenges Bob Mosbacher and Sam Skinner are stepping up to -- keeping Americans traveling for business and pleasure. We are not going to surrender this distinctly American freedom and once again you in ASAE can lead the way to the ticket counters and the registrations desks across America.

And know that you do it with our thanks and gratitude.

**BACKGROUND:** On Monday afternoon, Secretary Mosbacher convened the largest coalition assembled from the travel industry to jump start a travel recovery. Bill Marriott is the Chairman of the new Coalition that is being formed. Many members of ASAE helped get this Coalition started.

CHRISS: PLEASE SEE COMMERCE'S SUGGESTED INSERT THAT THEY HAD WANTED TO INCLUDE IN THE ASAE SPEECH THAT WE DISCOURAGED DUE TO THE MANY TOPICS ALREADY IN THAT SPEECH.

IF POSSIBLE, IT WOULD BE GOOD TO INCLUDE THE GIST OF TRAVEL AND TOURISM IN THE WESTINGHOUSE ADDRESS, OF COURSE WITH THE NECESSARY CHANGES ABOUT ASAE IN THE ABOVE SUGGESTED LANGUAGE. Thanks.

Or the Amer. Business Council

Although OCA had no comments  
on the Westinghouse speech,  
we concur with the substantive  
changes from DOE.

Many thanks.

Holly Williamson



DEPARTMENT OF ENERGY  
Washington, DC 20585

OFFICE OF THE SECRETARY

February 27, 1991

MEMORANDUM FOR: HOLLY WILLIAMSON  
FROM: RUTH BURNS  
SUBJECT: COMMENTS ON THE PRESIDENT'S DRAFT SPEECH TO  
WESTINGHOUSE AWARD RECIPIENTS

Overall, the comments received on the speech were quite negative. Several people who reviewed the speech said that it would be better to start from scratch. The author of the speech must realize that this is a sophisticated group of young people -- the scientists and researchers of tomorrow. We must further realize that the Westinghouse event and awards are very prestigious in the scientific community. It is in the best interest of the President, to treat the students and the event with a bit more sophistication.

General Comments:

- More information should be provided on the President's math and science initiative and his commitment to improving high school science education for everyone.
- While military technologies are well covered, the non-military applications of technology are not. Adding material on health and the environment would be particularly helpful.

Specific Comments:

Page 2.

- 1st partial paragraph. Jokes are pretty bad, and not pitched to bright teenagers. Why would an academically gifted teenager think that connecting a VCR to a microwave oven and watching Gone With the Wind in 12 1/2 minutes is funny? That's a better joke for a less "brainy" crowd. Also, Gone With the Wind, is an old movie; couldn't we refer to something in the last decade?
- 1st paragraph. Who is Kilby? No one over here thinks that the audience will know who he is.

Page 2 - Memorandum for Holly Williamson

- Paragraph 2. "each has reached for the stars -- so that future generations of Americans might someday stand on them." This audience is used to using language figuratively -- standing the on the stars would certainly give them a "hot foot."

Page 3.

- Paragraph 2. "becacarotene" is misspelled. It should be spelled betacarotene.
- Paragraph 3. "continuance" is usually used as a legal term. Why not just say "continuation?"
- Paragraph 3. The story about the Commissioner of Patents should be fact-checked. This story has been around, but set in the late 19th century, not in 1843.

Page 4.

- Third paragraph. This goal could be keyed to a pitch by the President to encourage the students to pursue careers in science and research. In order to achieve this goal, we will need many more scientists and engineers.
- Bottom of Page 4. In addition, we would urge that the discussion on military technologies be balanced by expanding on the theme at the bottom of page 4 which emphasizes the President's impressive commitment to R&D. Specifically, we recommend adding a paragraph or two (between the last paragraph on page 4 and the first paragraph on page 5) that describes some of the real benefits to U.S. citizens of the commercial R&D in the budget, including energy, environmental, and economic benefits. Some suggested themes include:
  - The role of technology for reducing our dependence on costly or unreliable energy supplies, such as more energy efficient materials, processes and products; new sources of supply, such as various sources of renewable energy and fusion; making existing sources of energy more viable, such as solving the waste and safety problems with nuclear power (a very important issue for Westinghouse Corp.) or enhanced oil and gas recovery from domestic resources.

Page 3 - Memorandum for Holly Williamson

- The role of science and technology for addressing environmental concerns, such as additional research to explore the true sources and environmental effects of greenhouse gases; finding ways to prevent additional damage to the environment, such as from burning fossil fuels (e.g., clean coal technologies, alternative fuels, mag-lev vehicles, or intelligent transportation systems); and new technologies for managing wastes and cleaning up existing environmental damage.
  
- The role of science and technology for developing new cures and treatments for diseases, such as mapping the human genome to find the genetic causes of cancer or cystic fibrosis; medical diagnostics equipment that can reduce the need for exploratory surgery; and new drugs that can alleviate suffering or effect a complete cure. We recommend that HHS be used for the source of this information to make it more exiting.
  
- Finally, the role of technology for enhancing the economic strength of the nation, through new products, new services, new jobs, more efficient use of resources, and improved trade balance. Studies show that there is an empirical link between a nation's overall commitment to investing in science and technology with its industrial competitiveness.

Page 5.

- Third paragraph. Riyhad is misspelled and should be spelled Rihyad.

**WESTINGHOUSE ADDRESS \ WASHINGTON HILTON HOTEL  
MONDAY, MARCH 4, 1991 \ 7:00 P.M.**

**SECRETARY SULLIVAN, GOVERNOR AND MRS. SUNUNU,  
DR. BROMLEY. DR. SEABORG, MR. LEGO [LEG-GO],  
MR. SHERBURNE, MS. LUSZCZ [LOOSH], MONSIGNOR QUINN,  
MR. FLATOW [FLAY-TOE], TRUSTEES OF THE WESTINGHOUSE  
FOUNDATION, PAST AND CURRENT WESTINGHOUSE AWARD  
RECIPIENTS, JUDGES OF THE SCIENCE TALENT SEARCH,  
DISTINGUISHED GUESTS OF SCIENCE, LADIES AND GENTLEMEN.**

**- 2 -**

**THANK YOU, MR. LEGO, FOR THAT INTRODUCTION, AND FOR  
YOUR WARM RECEPTION. AND LET ME WELCOME TO WASHINGTON  
THE TRUSTEES OF OUR POSTERITY. / HIGH SCHOOL  
STUDENTS -- THE BEST AND THE BRIGHTEST -- WHO ACT FOR  
NATION AND NEIGHBOR. // IT IS A PLEASURE TO BE AT THE  
SUPER BOWL OF SCIENCE. //**

**WE MEET TONIGHT ON THE FIFTIETH ANNIVERSARY OF THE  
WESTINGHOUSE SCIENCE TALENT SEARCH -- A PROGRAM WHICH  
HAS HELPED MAKE THE PAST HALF-CENTURY A TIME OF  
EXTRAORDINARY EXPLORATION. //**

- 3 -

NOT TO DATE MYSELF, BUT WHEN I WAS GROWING UP, PAC-MAN WAS A HIKER, NOT A VIDEO GAME. / WHO KNOWS HOW FUTURE ENDEAVORS WILL MAKE OURS A RICHER, MORE DECENT WORLD?

((NOW, I'LL ADMIT. IT'S PRETTY HARD FOR ME TO CLAIM I'M ADEPT AT HIGH TECH WHEN MY GRANDKIDS KEEP Clobbering me at "NINTENDO." // I REMEMBER HOW ONCE MY SCIENCE TEACHER SAID TO ME, "WHATEVER YOU DO IN LIFE I HOPE YOU'LL HOLD THE TORCH ON HIGH -- AS LONG AS IT ISN'T A BUNSEN BURNER." //

- 4 -

EVEN SO, I DID TRY A RECENT EXPERIMENT THAT I'M PROUD OF. I CONNECTED MY VCR TO OUR MICROWAVE OVEN AND WATCHED "GONE WITH THE WIND" IN 12 AND 1/2 MINUTES.))

TONIGHT, WE HONOR DISTINGUISHED SCIENTISTS AND RESEARCHERS, WHO ARE OPENING DOORS INTO AN AGE WHERE MANKIND NOT ONLY MOVED INTO THE FUTURE -- BUT RE-INVENTED IT. // THINK OF DISCOVERIES LIKE BIOTECHNOLOGY AND THE MICROCHIP. AND OF PIONEERS LIKE KILBY AND NOYCE OR COHEN AND BOYER, THE FIRST TWO PEOPLE TO SPLICE A GENE.

ALL KNEW, AS THOMAS JEFFERSON WROTE TO A POLISH GENERAL WHO FOUGHT WITH US IN THE REVOLUTIONARY WAR, "THE MAIN OBJECTS OF ALL SCIENCE ARE THE FREEDOM AND HAPPINESS OF MAN." //

SINCE THE DARK DAYS OF WORLD WAR II, WESTINGHOUSE RECIPIENTS HAVE AIDED THIS FREEDOM -- BECOMING AN INSTRUMENT OF LIBERTY AND THE SYMBOL OF THE INFORMATION AGE. //

FROM THE FIRST MAN TO WIN THE TOP PRIZE IN THE SCIENCE TALENT SEARCH -- PAUL TESCHAN [TEH-SHAWN], SAVING SOLDIERS' LIVES WITH THE ARTIFICIAL KIDNEY IN THE KOREAN WAR -- TO RAYMOND KURZWEIL, WHOSE READING DEVICES MAKE LIFE EASIER FOR THE BLIND -- EACH HAS REACHED FOR THE STARS -- SO THAT FUTURE GENERATIONS OF AMERICANS MIGHT SOMEDAY TRAVEL TO THEM. //

THIS PROGRAM'S HISTORY REAFFIRMS THAT TRUTH. FIVE WESTINGHOUSE AWARD RECIPIENTS HAVE WON THE NOBEL PRIZE.

EIGHT HAVE RECEIVED MACARTHUR FELLOWSHIPS. // THREE HAVE BEEN ADMITTED TO THE NATIONAL ACADEMY OF ENGINEERING. TWENTY-EIGHT HAVE ALSO BEEN ELECTED TO TO THE NATIONAL ACADEMY OF SCIENCES -- ONE OF YOUR PROFESSION'S HIGHEST HONORS. //

ALBERT EINSTEIN PUT IT BEST WHEN HE NOTED THAT EVERYTHING THAT IS REALLY GREAT AND INSPIRING IS CREATED BY INDIVIDUALS WHO LABOR IN FREEDOM. IN SHORT, HE BELIEVED WHAT ALL OF THESE HONOREES BELIEVE -- FREEDOM WORKS.

THIS YEAR'S NATIONAL WINNERS -- 40 IN ALL -- WERE CULLED FROM MORE THAN 1,400 ENTRIES. MANY BELONG TO THEIR SCHOOL DEBATE TEAM, BASEBALL CLUB, THEIR NEWSPAPER, THEIR CHURCH GROUP OR BAND. // ALL HAVE CREATED RESEARCH PROJECTS WHICH SHOW HOW THE TRAILBLAZERS OF TODAY CAN BE THE HEROES OF TOMORROW. //

CONSIDER CLIFFORD WANG OF VERO BEACH. HE PROPOSED THAT SEAWEED CAN BE GROWN IN THE OCEAN TO REMOVE METAL POLLUTANTS AND THEN HARVESTED FOR METHANE GENERATION, CLEANING THE ENVIRONMENT WHILE AT THE SAME TIME PRODUCING ENERGY. /

OR TARA BAHNA-JAMES OF NEW YORK CITY, WHO EXPLORED THE RELATIONSHIP BETWEEN MATH APTITUDE AND MUSICAL TALENT. IN SPRING, TEXAS, WADE BUTIN DEVELOPED A VARNISH TO WITHSTAND THE RIGORS OF WEATHER AND SALT WATER. / AND IN PITTSBURGH, SUSAN CRISS RECENTLY COMPLETED A TWO-YEAR PROJECT THAT SHOWED HOW BETACAROTENE IN THE BLOODSTREAM MAY REDUCE THE RISK OF CANCER. //

THESE AND OTHER PROJECTS SHOW HOW LEARNING IS ALWAYS A CONTINUATION, NEVER A CONSUMMATION -- THAT BECAUSE FREEDOM WORKS, DREAMS MAKE POSSIBLE EVEN GREATER DREAMS. // ((HERE IS A STORY WHICH MAGNIFIES THAT FACT. 1843. A COMMISSIONER OF PATENTS MADE A REPORT TO PRESIDENT TYLER. HE SAID: "THE ADVANCEMENT OF THE ARTS FROM YEAR TO YEAR TAXES OUR CREDULITY AND SEEMS TO PRESAGE THE ARRIVAL OF THAT PERIOD WHEN HUMAN IMPROVEMENT MUST END." //

HE WENT ON TO URGE THAT THE PATENT OFFICE BE LIQUIDATED -- EVEN RIPLEY WOULDN'T BELIEVE THIS -- BECAUSE, HE ALLEGEDLY BELIEVED, THERE WAS NOTHING ELSE TO BE INVENTED.)) //

TODAY, ALL OF US KNOW BETTER. WE REALIZE THIS NATION HAS NO NATURAL RESOURCES LIKE ITS INTELLECTUAL RESOURCES. SO WE MUST, AND ARE, ASSISTING THE KNOWLEDGE THAT IS OUR MOST ENDURING LEGACY -- VITAL TO EVERYTHING WE ARE AND CAN BECOME. //

THE NATION'S GOVERNORS AND I HAVE SET A GOAL FOR U.S. STUDENTS TO BE NUMBER ONE IN THE WORLD IN MATH AND SCIENCE LEARNING BY THE YEAR 2000. WE CAN ACHIEVE IT. WE WILL. // TO START WITH, WE WILL ACHIEVE IT THROUGH OUR NEW NATIONAL EDUCATIONAL EXCELLENCE ACT THAT I WILL SOON SEND TO CONGRESS. LAST FALL CONGRESS ACTED FAVORABLY ON OUR INITIATIVE FOR NATIONAL SCIENCE SCHOLARS PROGRAM, WHICH WILL GIVE AMERICA'S YOUTH A SPECIAL INCENTIVE TO EXCEL IN SCIENCE, MATHEMATICS, AND ENGINEERING. //

WE WILL ALSO ACHIEVE THIS GOAL THROUGH RESEARCH AND DEVELOPMENT IN ALL AREAS OF SCIENCE, TECHNOLOGY, AND ENGINEERING. LAST MONTH I SUBMITTED MY NEW BUDGET TO THE CONGRESS, AND IT INCLUDES SPECIAL EMPHASIS ON MATH AND SCIENCE EDUCATION. WE PROPOSE AN INCREASE OF \$225 MILLION FOR MATH AND SCIENCE EDUCATION. NEW FUNDING FOR R & D TOTALING \$76 BILLION -- INCLUDING A RECORD HIGH OF OVER \$13 BILLION FOR BASIC SCIENCE RESEARCH. //

OUR BUDGET WILL CONTINUE OUR COMMITMENT TO DOUBLE THE FUNDING FOR THE NATIONAL SCIENCE FOUNDATION. / DEVOTE OVER \$16 BILLION FOR MAJOR SPACE ACTIVITIES -- UP 15 PER CENT OVER LAST YEAR -- AND SUPPORT THE DEVELOPMENT OF WORTHY IDEAS FROM ELECTRIC POWERED VEHICLES TO HIGH PERFORMANCE COMPUTING TO THE HUMAN GENOME PROJECT. / IT GIVES MORE MONEY THAN EVER TO THE SMALL SCIENCE RESEARCH -- RESEARCH BY INDIVIDUALS -- EMBODIED BY THE WESTINGHOUSE SCIENCE TALENT SEARCH.

AND IT URGES CONGRESS TO PROVIDE THE 28 PERCENT INCREASE I SEEK TO RAISE THE QUALITY OF PRE-COLLEGE MATH AND SCIENCE EDUCATION WHICH WE MUST DO IF AMERICAN SCIENCE AND TECHNOLOGY WILL CONTINUE TO LEAD THE WORLD.

THIS BUDGET WILL HELP FREEDOM WORK AT HOME. YET FREEDOM HAS ALSO HELPED ADVANCE THE CAUSE OF LIBERTY ABROAD. //

FOR EVIDENCE, LOOK TO THE PERSIAN GULF, WHERE ACHIEVEMENTS IN SCIENCE ARE RESPONSIBLE FOR THE HIGH-TECH EQUIPMENT WHICH HAS SERVED OUR MILITARY SO WELL.

IN THE PAST, SOME HAVE URGED THAT WE DEPEND MORE FOR OUR PROTECTION ON THEORIES OF DETERRENCE THAN TECHNOLOGIES OF DEFENSE. WELL, THANK GOD THAT WHEN THE SCUDS CAME -- THE PEOPLE OF ISRAEL AND SAUDI ARABIA HAD MORE TO PROTECT THEM THAN SOME ABSTRACT THEORY OF DETERRENCE. //

GO TO RIYADH OR TEL AVIV. A THEORY DIDN'T PROTECT  
ITS CITIZENS. PATRIOT MISSILES BORN OF TECHNOLOGY DID.  
BECAUSE OF SCIENCE AND TECHNOLOGY -- BECAUSE OF  
AMERICAN CREATIVITY -- THOUSANDS OF INNOCENT  
CIVILIANS -- PRICELESS HUMAN LIVES -- HAVE BEEN SPARED.  
THE PATRIOT AND OTHER MISSILES SHOW HOW AMERICAN  
INNOVATION STEMS FROM AMERICAN INSPIRATION. //

IF THE CAUSE OF PEACE IS TO CONTINUE BEING SERVED  
BY AMERICAN MILITARY POWER, IT MUST CONTINUE BEING  
ADVANCED BY AMERICAN BRAIN POWER. // ASK OUR TROOPS IN  
THE GULF. YES, THE FINEST SOLDIERS, SAILORS, MARINES,  
AIRMEN, AND COAST GUARDSMEN ANY NATION HAS EVER HAD.  
TODAY ALL OF US ARE ESPECIALLY GRATEFUL THAT TEN  
COALITION POWS, INCLUDING SEVERAL AMERICANS, ARE ON  
THEIR WAY BACK HOME -- AND OUR REMAINING POWS SHOULD  
NOT BE FAR BEHIND.

THE WELFARE OF OUR TROOPS WAS OUR TOP PRIORITY IN THE WAR AND AS WE FORGE A NEW PEACE, ALL OF THEM WILL BE ON OUR MINDS UNTIL ALL OF THEM ARE BACK HOME. EACH OF THESE BRAVE MEN AND WOMEN KNOW HOW SCIENCE AND TECHNOLOGY BROUGHT CLOSER FREEDOM'S ULTIMATE VICTORY. // ASK, TOO, THOSE OTHER GREAT HEROES -- OUR TEACHERS. EACH DAY THEY GIVE PERHAPS THE GREATEST GIFT OF SHARING THEIR KNOWLEDGE WITH OTHERS. // ASK, FINALLY, AMERICA'S STUDENTS AND PARENTS.

THEY KNOW THAT WHILE LEARNING IS VERY PRACTICAL, IT IS ALSO AMONG MANKIND'S MOST NOBLE ENDEAVORS. IT CAN PRESAGE A NEW GOLDEN AGE -- YES, A NEW WORLD ORDER -- WHERE CREATIVITY FLOWS -- MORE THAN EVER -- FROM THE HUMAN HEART AND MIND. //

OVER THE PAST HALF-CENTURY, SCIENTIFIC  
BREAKTHROUGHS HAVE BENEFITED US ALL. FROM THE FIRST  
RADAR / TO PIONEERING ADVANCES IN SHOCK AND BURN  
TREATMENT- / TO THE REVOLUTIONARY LASER / TO THE HIGH-  
TECH OF TODAY / AMERICA'S SCIENTISTS HAVE DONE THEIR  
DUTY -- AS THEY WILL IN THE FUTURE. // HELPING US NOT  
MERELY TO PREVAIL AT WAR -- BUT ALSO, MORE IMPORTANTLY,  
TO WIN THE PEACE.

WHAT A MAGNIFICENT LEGACY FOR THE WESTINGHOUSE  
SCIENCE TALENT SEARCH. / WHAT A MAGNIFICENT METAPHOR  
FOR THE DREAM THAT IS AMERICA. / THANK YOU FOR TONIGHT  
-- AND FOR HELPING FREEDOM TO WORK. PLEASE CONTINUE TO  
PRAY FOR OUR SONS AND DAUGHTERS IN THE PERSIAN GULF,  
AND FOR PEACE IN THAT TROUBLED CORNER OF THE WORLD.  
GOD BLESS AMERICA.

# # # #

THE WHITE HOUSE

WASHINGTON

February 27, 1991

INFORMATION

MEMORANDUM FOR THE PRESIDENT

THROUGH: DAVID DEMAREST *DD*

FROM: CURT SMITH *CS*

SUBJECT: WESTINGHOUSE SCIENCE AWARDS REMARKS

I. SUMMARY

On Monday, March 4 at 7:00 p.m. you will make remarks at the 50th Annual Westinghouse Science Talent Search awards banquet. This event will be held at the Washington Hilton, with 1200 guests expected. Your remarks are eleven minutes in length and will be on speechcards.

II. DISCUSSION

The attached remarks note the special relationship between scientific achievement and the many freedoms we owe to developments in the field. You also touch briefly on your new budget and the emphasis it places on science -- in research and development, working facilities and education. In conclusion, the remarks recognize the value of science and technology in wartime.

(Smith/Cawley)  
February 25, 1991  
9 A.M.  
WEST

PRESIDENTIAL REMARKS: WESTINGHOUSE ADDRESS  
WASHINGTON HILTON HOTEL  
MONDAY, MARCH 4, 1991  
7:00 P.M.

Secretary Sullivan, Dr. Bromley, Dr. Seaborg, Mr. Lego [Leg-go],  
Mr. Sherburne, Ms. Luszcz [Loosh], Monsignor Quinn, Mr. Flatow,  
Members of the Westinghouse Science Foundation, past and current  
Westinghouse Award recipients, judges of the Science Talent  
Search, distinguished guests of science, ladies and gentlemen. /

Thank you, Mr. Lego, for that introduction, and for your  
warm reception. And let me welcome to Washington the trustees of  
our posterity. / High school students -- the best and the  
brightest -- who act for Nation and neighbor. // It is a  
pleasure to be at the Super Bowl of Science. //

We meet tonight on the fiftieth anniversary of the  
Westinghouse Science Talent Search -- a program which has helped  
make the past half-century a time of extraordinary exploration.  
// Not to date myself, but when I was growing up, PAC-MAN was a  
hiker, not a video game. / Who knows how future endeavors will  
make ours a richer, more decent world? //

((Now, I'll admit. Few have called me a virtuoso in  
science. //)) It's pretty hard for me to claim I'm adept at high  
tech when my grandkids keep beating me at "Nintendo." // I  
remember how once my science teacher said to me, "Whatever you do  
in life I hope you'll hold the torch on high -- as long as it

isn't a bunsen burner." // Even so, I did try a recent experiment that I'm proud of. I connected my VCR to our microwave oven and watched "Gone With the Wind" in 12 and 1/2 minutes.)) //

Tonight, we honor scientists and researchers who -- thankfully -- have not followed my lead. Opening doors into an age where mankind not only moved into the future -- but re-invented it. // Think of discoveries like biotechnology and the microchip. And of pioneers like Kilby and Noyce and Herbert Boyer, the first person to splice a gene. All knew, as Thomas Jefferson wrote to a Polish general who fought with us in the Revolutionary War, "The main objects of all science are the freedom and happiness of man." //

Since the dark days of World War II, Westinghouse recipients have aided this freedom -- becoming an instrument of liberty and the symbol of the information age. // From the first man to win the top prize in the Science Talent Search -- Paul Teschan [Teh-SHAWN], saving soldiers' lives with the artificial kidney in the Korean War -- to Raymond Kurzweil, whose reading devices make life easier for the blind -- each has reached for the stars -- so that future generations of Americans might someday travel to them. //

This program's history reaffirms that truth. Five Westinghouse award recipients have won the Nobel Prize. Eight have received MacArthur Fellowships. // Three have been admitted to the National Academy of Engineering. Twenty-eight

have also been elected to to the National Academy of Sciences -- one of your profession's highest honors. //

Albert Einstein put it best when he noted that everything that is really great and inspiring is created by individuals who labor in freedom. In short, he believed what all of these honorees believe -- freedom works. This year's national winners -- 40 in all -- were culled from more than 1,400 entries. Many belong to their school debate team, baseball club, their newspaper, their church group or band. // All have created research projects which show how the trailblazers of today can be the heroes of tomorrow. //

Consider Clifford Wang of Vero Beach. He proposed that seaweed can be grown in the ocean to remove metal pollutants and then harvested for methane generation, cleaning the environment while at the same time producing energy. / Or Tara Bahna-James of New York City, who explored the relationship between math aptitude and musical talent. / In Spring, Texas, Wade Butin developed a varnish to withstand the rigors of weather and salt water. / And in Pittsburgh, Susan Criss recently completed a two-year project that showed how betacarotene in the bloodstream may reduce the risk of cancer. //

These and other projects show how learning is always a continuation, never a consummation -- that because freedom works, dreams make possible even greater dreams. // ((Here is a story which magnifies that fact. 1843. A Commissioner of Patents made a report to President Tyler. He said: "The advancement of the

arts from year to year taxes our credulity and seems to presage the arrival of that period when human improvement must end." // He went on to urge Congress to liquidate the Patent Office -- even Ripley wouldn't believe this -- because, he believed, there was nothing else to be invented.) //

Today, all of us know better. We realize this Nation has no natural resources like its intellectual resources. So we must, and are, assisting the knowledge that is our most enduring legacy -- vital to everything we are and can become. //

The Nation's Governors and I have set a goal for U.S. students to be Number One in the world in math and science learning by the year 2000. We can achieve it. We will. // To start with, we will achieve it through our new National Educational Excellence Act that I will soon send to Congress. Last fall Congress acted favorably on our initiative for National Science Scholars program, which will give America's youth a special incentive to excel in science, mathematics, and engineering. //

We will also achieve this goal through research and development in all areas of science, technology, and engineering. Last month I submitted my new budget to the Congress, and it includes special emphasis on math and science education. We propose an increase of \$225 million for math and science education. New funding for R & D totaling \$76 billion -- including a record high of over \$13 billion for basic science research. //

Our budget will continue our commitment to double the funding for the National Science Foundation. / Devote over \$16 billion for major space activities -- up 15 per cent over last year -- and support the development of worthy ideas from electric powered vehicles to high performance computing to the human genome project. / It gives more money than ever to the small science research -- research by individuals -- embodied by the Westinghouse Science Talent Search. And it urges Congress to provide the 28 percent increase I seek to raise the quality of pre-college math and science education which we must do if American science and technology will continue to lead the world.

This budget will help freedom work at home. Yet freedom has also helped advance the cause of liberty abroad. // For evidence, look to the Persian Gulf, where achievements in science are responsible for the high-tech equipment which has served our military so well. //

In the past, some have urged that we depend more for our protection on theories of deterrence than technologies of defense. Well, thank God that when the Scuds came -- the people of Israel and Saudi Arabia had more to protect them than some abstract theory of deterrence. //

Go to Riyadh or Tel Aviv. A theory didn't protect its citizens. Patriot missiles born of technology did. Because of science and technology -- because of American creativity -- thousands of innocent civilians -- priceless human lives -- have

been spared. The Patriot and other missiles show how American innovation stems from American inspiration. //

If the cause of peace is to continue being served by American military power, it must continue being advanced by American brain power. // Ask our troops in the Gulf. Yes, the finest soldiers, sailors, Marines, airmen, and Coast Guardsmen any Nation has ever had. They know the value of science and technology. Each day it brought closer freedom's ultimate victory. // Ask those other great heroes -- our teachers. Each day they give perhaps the greatest gift of sharing their knowledge with others. // Ask, finally, America's students and parents. They know that while learning is very practical, it is also among mankind's most noble endeavors. It can presage a new Golden Age -- yes, a new world order -- where creativity flows -- more than ever -- from the human heart and mind. //

Over the past half-century, scientific breakthroughs have benefited us all. From the first radar / to pioneering advances in shock and burn treatment / to the revolutionary laser / to the high-tech of today / America's scientists have done their duty -- as they will in the future. // Helping us not merely to prevail at war -- but also, more importantly, to win the peace.

What a magnificent legacy for the Westinghouse Science Talent Search. / What a magnificent metaphor for the dream that is America. / Thank you for tonight -- and for helping freedom to work. Please pray for our sons and daughters in the Persian

Gulf. And let me leave you with three of the most beautiful words in ours or any language. God bless America.

# # # #

3/4/91

THE WHITE HOUSE

WASHINGTON

91 FEB 28 PM 4:48

February 27, 1991

INFORMATION

MEMORANDUM FOR THE PRESIDENT

THROUGH: DAVID DEMAREST

FROM: CURT SMITH

SUBJECT: WESTINGHOUSE SCIENCE AWARDS REMARKS

*Some small changes*

I. SUMMARY

On Monday, March 4 at 7:00 p.m. you will make remarks at the 50th Annual Westinghouse Science Talent Search awards banquet. This event will be held at the Washington Hilton, with 1200 guests expected. Your remarks are eleven minutes in length and will be on speechcards.

II. DISCUSSION

The attached remarks note the special relationship between scientific achievement and the many freedoms we owe to developments in the field. You also touch briefly on your new budget and the emphasis it places on science -- in research and development, working facilities and education. In conclusion, the remarks recognize the value of science and technology in wartime.

(Smith/Cawley)  
February 25, 1991  
9 A.M.  
WEST

PRESIDENTIAL REMARKS: WESTINGHOUSE ADDRESS  
WASHINGTON HILTON HOTEL  
MONDAY, MARCH 4, 1991  
7:00 P.M.

Secretary Sullivan, Dr. Bromley, Dr. Seaborg, Mr. Lego [Leg-go],  
Mr. Sherburne, Ms. Luszcz [Loosh], Monsignor Quinn, Mr. Flatow,  
Members of the Westinghouse Science Foundation, past and current  
Westinghouse Award recipients, judges of the Science Talent  
Search, distinguished guests of science, ladies and gentlemen. /

Thank you, Mr. Lego, for that introduction, and for your  
warm reception. And let me welcome to Washington the trustees of  
our posterity. / High school students -- the best and the  
brightest -- who act for Nation and neighbor. // It is a  
pleasure to be at the Super Bowl of Science. //

We meet tonight on the fiftieth anniversary of the  
Westinghouse Science Talent Search -- a program which has helped  
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// Not to date myself, but when I was growing up, PAC-MAN was a  
hiker, not a video game. / Who knows how future endeavors will  
make ours a richer, more decent world? //

((Now, I'll admit. ~~Few have called me a virtuoso in  
science.~~ // It's pretty hard for me to claim I'm adept at high  
tech when my grandkids keep <sup>clobbering</sup> beating me at "Nintendo." // I  
remember how once my science teacher said to me, "Whatever you do  
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Flatow  
OR  
Flatow

isn't a bunsen burner." // Even so, I did try a recent experiment that I'm proud of. I connected my VCR to our microwave oven and watched "Gone With the Wind" in 12 and 1/2 minutes.)) //

Tonight, we honor <sup>distinguished</sup> scientists and researchers, ~~who~~ -- ~~thankfully -- have not followed my lead.~~ Opening doors into an age where mankind not only moved into the future -- but re-invented it. // Think of discoveries like biotechnology and the microchip. And of pioneers like Kilby and Noyce and Herbert Boyer, the first person to splice a gene. All knew, as Thomas Jefferson wrote to a Polish general who fought with us in the Revolutionary War, "The main objects of all science are the freedom and happiness of man." //

Since the dark days of World War II, Westinghouse recipients have aided this freedom -- becoming an instrument of liberty and the symbol of the information age. // From the first man to win the top prize in the Science Talent Search -- Paul Teschan [Teh-SHAWN], saving soldiers' lives with the artificial kidney in the Korean War -- to Raymond Kurzweil, whose reading devices make life easier for the blind -- each has reached for the stars -- so that future generations of Americans might someday travel to them. //

This program's history reaffirms that truth. Five Westinghouse award recipients have won the Nobel Prize. Eight have received MacArthur Fellowships. // Three have been admitted to the National Academy of Engineering. Twenty-eight

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Albert Einstein put it best when he noted that everything that is really great and inspiring is created by individuals who labor in freedom. In short, he believed what all of these honorees believe -- freedom works. This year's national winners -- 40 in all -- were culled from more than 1,400 entries. Many belong to their school debate team, baseball club, their newspaper, their church group or band. // All have created research projects which show how the trailblazers of today can be the heroes of tomorrow. //

Consider Clifford Wang of Vero Beach. He proposed that seaweed can be grown in the ocean to remove metal pollutants and then harvested for methane generation, cleaning the environment while at the same time producing energy. / Or Tara Bahna-James of New York City, who explored the relationship between math aptitude and musical talent. / In Spring, Texas, Wade Butin developed a varnish to withstand the rigors of weather and salt water. / And in Pittsburgh, Susan Criss recently completed a two-year project that showed how betacarotene in the bloodstream may reduce the risk of cancer. //

These and other projects show how learning is always a continuation, never a consummation -- that because freedom works, dreams make possible even greater dreams. // ((Here is a story which magnifies that fact. 1843. A Commissioner of Patents made a report to President Tyler. He said: "The advancement of the

arts from year to year taxes our credulity and seems to presage the arrival of that period when human improvement must end." // He went on to urge Congress to liquidate the Patent Office -- even Ripley wouldn't believe this -- because, he believed, there was nothing else to be invented.) ) //

Today, all of us know better. We realize this Nation has no natural resources like its intellectual resources. So we must, and are, assisting the knowledge that is our most enduring legacy -- vital to everything we are and can become. //

The Nation's Governors and I have set a goal for U.S. students to be Number One in the world in math and science learning by the year 2000. We can achieve it. We will. // To start with, we will achieve it through our new National Educational Excellence Act that I will soon send to Congress. Last fall Congress acted favorably on our initiative for National Science Scholars program, which will give America's youth a special incentive to excel in science, mathematics, and engineering. //

We will also achieve this goal through research and development in all areas of science, technology, and engineering. Last month I submitted my new budget to the Congress, and it includes special emphasis on math and science education. We propose an increase of \$225 million for math and science education. New funding for R & D totaling \$76 billion -- including a record high of over \$13 billion for basic science research. //

Our budget will continue our commitment to double the funding for the National Science Foundation. / Devote over \$16 billion for major space activities -- up 15 per cent over last year -- and support the development of worthy ideas from electric powered vehicles to high performance computing to the human genome project. / It gives more money than ever to the small science research -- research by individuals -- embodied by the Westinghouse Science Talent Search. And it urges Congress to provide the 28 percent increase I seek to raise the quality of pre-college math and science education which we must do if American science and technology will continue to lead the world.

This budget will help freedom work at home. Yet freedom has also helped advance the cause of liberty abroad. // For evidence, look to the Persian Gulf, where achievements in science are responsible for the high-tech equipment which has served our military so well. //

In the past, some have urged that we depend more for our protection on theories of deterrence than technologies of defense. Well, thank God that when the Scuds came -- the people of Israel and Saudi Arabia had more to protect them than some abstract theory of deterrence. //

Go to Riyadh or Tel Aviv. A theory didn't protect its citizens. Patriot missiles born of technology did. Because of science and technology -- because of American creativity -- thousands of innocent civilians -- priceless human lives -- have

been spared. The Patriot and other missiles show how American innovation stems from American inspiration. //

If the cause of peace is to continue being served by American military power, it must continue being advanced by American brain power. // Ask our troops in the Gulf. Yes, the finest soldiers, sailors, Marines, airmen, and Coast Guardsmen any Nation has ever had. They know the value of science and technology. Each day it brought closer freedom's ultimate victory. // Ask those other great heroes -- our teachers. Each day they give perhaps the greatest gift of sharing their knowledge with others. // Ask, finally, America's students and parents. They know that while learning is very practical, it is also among mankind's most noble endeavors. It can presage a new Golden Age -- yes, a new world order -- where creativity flows -- more than ever -- from the human heart and mind. //

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^

and for peace in ~~that~~ <sup>7</sup> troubled corner of the world  
Gulf, ~~And let me leave you with three of the most beautiful~~  
~~words in ours or any language.~~ God bless America.

# # # #

# WHITE HOUSE STAFFING MEMORANDUM

91 FEB 28 P6:34

DATE: 2/28/91 ACTION/CONCURRENCE/COMMENT DUE BY: ---

SUBJECT: PRESIDENTIAL REMARKS: WESTINGHOUSE SCIENCE AWARDS - 3/4/91

	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 type="checkbox"/>	NEWMAN	<input type="checkbox"/>	<input 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"/>	ROGICH	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRADY	<input type="checkbox"/>	<input checked="" type="checkbox"/>	UNTERMAYER	<input type="checkbox"/>	<input type="checkbox"/>
CARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>ROGERS</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DEMAREST	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>WINSTON</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
FITZWATER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>BROMLEY</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GRAY	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
HOLIDAY	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS:

The attached has been forwarded to the President.

RESPONSE:

PHILLIP D. BRADY  
Assistant to the President  
and Staff Secretary  
Ext. 2702

THE WHITE HOUSE

WASHINGTON

91 FEB 28 PM 4:47

February 27, 1991

INFORMATION

MEMORANDUM FOR THE PRESIDENT

THROUGH: DAVID DEMAREST *DD*

FROM: CURT SMITH *CS*

SUBJECT: WESTINGHOUSE SCIENCE AWARDS REMARKS

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Gulf. And let me leave you with three of the most beautiful words in ours or any language. God bless America.

# # # #

insert to President's remarks to Veterans at 1:45 March 4:

I am pleased to report that we are making progress in our journey from war to peace. The cessation of combat operations that went into effect midnight Wednesday is for the most part holding. General Schwarzkopf has reported that Sunday's desert meeting with Iraqi commanders made real progress. Already, ten coalition POWs, including several Americans, are on their way back home; our remaining POWs should not be far behind. We also anticipate a quick accounting for all MIAs and the return of the remains of fallen heroes. We have received information on the location of minefields in and around Kuwait so that ~~operations can~~ <sup>the resumption of ops. the rebuilding of Kuwait</sup> ~~begin to reclaim the land and waters of this recent battlefield.~~ <sup>can begin safely.</sup>

Our goal remains what it has been all along: Iraq's complete and unconditional compliance with all relevant United Nations resolutions, and its implementation of all the requirements to be found in Security Council Resolution 686, passed overwhelmingly late Saturday evening. This would allow us to move beyond the current suspension of military operations to a more permanent and stable cease-fire.


March 4, 10:00 a.m.  
Insert for Westinghouse  
from Hauer

**WHITEHOUSE STAFFING MEMORANDUM**

91 FEB 27 11:31

DATE: 2/25/91- ACTION/CONCURRENCE/COMMENT DUE BY: 2/27/91 NOON

SUBJECT: PRESIDENTIAL REMARKS: WESTINGHOUSE ADDRESS

	ACTION FYI			ACTION FYI	
VICE PRESIDENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	MCCLURE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SUNUNU	<input type="checkbox"/>	<input type="checkbox"/>	NEWMAN	<input type="checkbox"/>	<input type="checkbox"/>
SCOWCROFT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PORTER	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DARMAN 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ROGICH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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CARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>ROGERS</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DEMAREST	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>WINSTON</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
FITZWATER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>BROMLEY</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GRAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
HOLIDAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS:

Please forward your comments directly to Chriss Winston, Rm. 122, x2930, no later than NOON, Wednesday, February 27, with a copy to this office. Thank you.

RESPONSE:

*See comment*

91 FEB 27 11:31

PHILLIP D. BRADY  
Assistant to the President  
and Staff Secretary  
Ext. 2702

91 FEB 25 PM 5:51

(Smith/Cawley)  
February 25, 1991  
9 A.M.  
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Continuum  
Grady  
44844

Selfridge  
6150

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The Governors and I have <sup>set a goal for</sup> ~~announced that~~ U.S. students <sup>to</sup> ~~will~~ be Number One by the year 2000. We can achieve it. We will. // To start with, we will achieve it through our <sup>NEW</sup> National Educational Excellence

in the world in math & science learning

Act that I ~~again urge Congress to pass.~~ <sup>will, soon send to Congress.</sup> Let me especially salute our new <sup>program of scholarship awards to</sup> ~~initiative of~~ National Science Scholars, which gives America's youth a special incentive to excel in science, mathematics, and engineering. //

one initiative I proposed last year that Congress did pass--

We will also achieve this goal through research and development in all areas of science, technology, and engineering.

white 4532

Let me describe the emphasis on science and math in our new

budget for Fiscal Year 1992. // Imagine: A record high of \$76 billion for ~~basic research and R & D~~ <sup>including a record high of \$13 billion</sup> ~~and basic science~~ <sup>for basic research.</sup> ~~research up \$13 billion.~~ / Reflect upon: A budget which will

double the National Science Foundation Budget if Congress will cooperate. // Help me achieve: A budget which will devote over

\$16 billion for outer space activities -- up 15 per cent over last year. <sup>A budget which gives</sup> ~~Giving~~ more money than ever to the small science

research -- research by individuals -- embodied by the Westinghouse Science Talent Search. // And help me convince Congress to provide the \$661 million, the 28 percent increase I seek to raise the quality pre-college math & science education which we so clearly must do if we hope to see American science & technology continue to lead the world.

new initiative in science & math education with an increase of over \$100 million. Grady 44844

Fin. Budget which supports the development of worthy ideas from electric powered vehicles to high performance computing

[to the layman, Cray in a beer can] to the human genome project.

Grady 44844

white 4532

Grady 44844

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*Selfridy  
H6150*

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*Selfridy  
H6150*

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Howard  
X 4657

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# # # #

**WHITE HOUSE STAFFING MEMORANDUM**

DATE: 2/25/91- ACTION/CONCURRENCE/COMMENT DUE BY: 2/27/91 NOON

SUBJECT: PRESIDENTIAL REMARKS: WESTINGHOUSE ADDRESS

	ACTION FYI			ACTION FYI	
VICE PRESIDENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	MCCLURE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SUNUNU	<input type="checkbox"/>	<input type="checkbox"/>	NEWMAN	<input type="checkbox"/>	<input type="checkbox"/>
SCOWCROFT <i>bootleg N/C</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PORTER	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DARMAN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ROGICH <i>N/C</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BRADY	<input type="checkbox"/>	<input checked="" type="checkbox"/>	UNTERMAYER	<input type="checkbox"/>	<input type="checkbox"/>
CARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ROGERS	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DEMAREST	<input checked="" type="checkbox"/>	<input type="checkbox"/>	WINSTON	<input type="checkbox"/>	<input checked="" type="checkbox"/>
FITZWATER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	BROMLEY	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GRAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
HOLIDAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>

**REMARKS:**

Please forward your comments directly to Chriss Winston, Rm. 122, x2930, no later than NOON, Wednesday, February 27, with a copy to this office. Thank you.

**RESPONSE:**

**PHILLIP D. BRADY**  
 Assistant to the President  
 and Staff Secretary  
 Ext. 2702

91 FEB 25 PM 5:51

(Smith/Cawley)  
February 25, 1991  
9 A.M.  
WEST

PRESIDENTIAL REMARKS: WESTINGHOUSE ADDRESS  
WASHINGTON HILTON HOTEL  
MONDAY, MARCH 4, 1991  
7:00 P.M.

Secretary Sullivan, Dr. Bromley, Dr. Seaborg, Mr. Lego [Leg-go],  
Mr. Sherman, Ms. Luszczyk [Loosh], Monsignor Quinn, Mr. Flatow,  
Members of the Westinghouse Science Foundation, past and current  
Westinghouse Award recipients, judges of the Science Talent  
Search, distinguished guests of science, ladies and gentlemen. /

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warm reception. And let me welcome to Washington the trustees of  
our posterity. / High school students -- the best and the  
brightest -- who act for Nation and neighbor. // It is a  
pleasure to be at the Super Bowl of Science. //

We meet tonight on the fiftieth anniversary of the  
Westinghouse Science Talent Search -- a program which has helped  
make the past half-century a time of extraordinary exploration.  
// Not to date myself, but when I was growing up, PAC-MAN was a  
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((Now, I'll admit. Few have called me a virtuoso in  
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Since the dark days of World War II, Westinghouse recipients have aided this freedom -- becoming an instrument of liberty and the symbol of the information age. // From the first man to win the top prize in the Science Talent Search -- Paul Teschan, aiding kidney research -- to Raymond Kurzweil, whose reading devices make life easier for the blind -- each has reached for the stars -- so that future generations of Americans might someday stand on them. //

This program's history reaffirms that truth. Five Westinghouse recipients have won the Nobel Prize. Eight have received MacArthur Foundation Fellowships. // Three have been admitted to the National Academy of Engineering. Twenty-six have

also been elected to to the National Academy of Sciences -- your profession's highest elective honor. //

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Consider Clifford Wang of Vero Beach. He proposed that seaweed be grown in the ocean to remove pollutants while also producing energy. / Or Tara-Bahn James of New York City, who explored the relationship between math aptitude and music talent. / In Spring, Texas, Wade Butin developed varnish to withstand the effect of weather and salt water. / And in Pittsburgh, Susan Criss recently completed a two-year project that showed how beta-carotene may reduce the risk of cancer. //

These and other projects show how learning is always a continuance, never a consummation -- that because freedom works, dreams make possible even greater dreams. // ((Here is a story which magnifies that fact. 1843. A Commissioner of Patents made a report to President Tyler. He said: "The advancement of the arts from year to year taxes our credulity and seems to presage the arrival of that period when human improvement must end." // He went on to urge Congress to liquidate the Patent Office --

even Ripley wouldn't believe this -- because, he believed, there was nothing else to be invented.) ) //

Today, all of us know better. We realize this Nation has no natural resouces like its intellectual resources. So we must, and are, assisting the knowledge that is our most enduring legacy -- vital to everything we are and can become. //

I have announced that U.S. students will be Number One by the year 2000. We can achieve it. We will. // To start with, we will achieve it through our National Educational Excellence Act that I again urge Congress to pass. Let me especially salute our new Initiative of National Science Scholars, which gives America's youth a special incentive to excel in science, mathematics, and engineering. //

We will also achieve this goal through research and development in all areas of science, technology, and engineering. Let me describe the emphasis on science and math in our new budget for Fiscal Year 1992. // Imagine: A record high of \$76 billion for basic research and R & D. -- and basic science research up \$13 billion. / Reflect upon: A budget which will double the National Science Foundation Budget if Congress will cooperate. // Help me achieve: A budget which will devote over \$16 billion for outer space activities -- up 15 per cent over last year. Giving more money than ever to the small science research -- research by individuals -- embodied by the Westinghouse Science Talent Search. //

This budget will help freedom work at home. Yet freedom has also helped advance the cause of liberty abroad. // For evidence, look in closing to the Persian Gulf, where achievements in science are responsible for the high-tech equipment which has served our military so well. //

In the past, some have urged that we depend more for our protection on theories of deterrence than technologies of defense. Well, thank God that when the Scuds came -- the people of Israel and Saudi Arabia had more to protect than some abstract theory of deterrence. //

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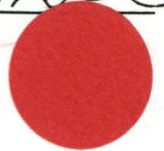
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31 FEB 28 P6:37

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Document No. 21572055

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SCOWCROFT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PORTER	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DARMAN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ROGICH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BRADY	<input type="checkbox"/>	<input checked="" type="checkbox"/>	UNTERMEYER	<input type="checkbox"/>	<input type="checkbox"/>
CARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>ROGERS</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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RESPONSE:

February 27, 1991

TO: CHRISS WINSTON

NSC concurs with the attached.

*Brent Scowcroft*  
Brent Scowcroft

cc: Phillip Brady

PHILLIP D. BRADY  
Assistant to the President  
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Ext. 2702

91 FEB 25 PM 5:51

(Smith/Cawley)  
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MASTER

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The Nation's Governors

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Westinghouse Science Talent Search. // <sup>And urging Congress to provide the 28 percent I</sup> →

→ financial support for development of worthy ideas from electric powered vehicles to high performance computing to the human genome project.

Seek to raise the quality  
of science education, which we  
must do if  
pre-college math  
will continue to  
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American science & technology

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*Find another example?*  
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# # # #

CURT: I've marked my  
changes on this  
reconciled version.

(Smith/Cawley)  
February 25, 1991  
9 A.M.  
WEST

Dave wants a look @ this before it's sent to POTUS.

Please let me know before it goes over, because I told Sara I'd highlight changes.

PRESIDENTIAL REMARKS: WESTINGHOUSE ADDRESS  
WASHINGTON HILTON HOTEL  
MONDAY, MARCH 4, 1991  
7:00 P.M.

Secretary Sullivan, Dr. Bromley, Dr. Seaborg, Mr. Lego [Leg-go],  
Mr. Sherman, Ms. Luszcz [Loosh], Monsignor Quinn, Mr. Flatow,  
Members of the Westinghouse Science Foundation, past and current  
Westinghouse Award recipients, judges of the Science Talent  
Search, distinguished guests of science, ladies and gentlemen. /

Thank you, Mr. Lego, for that introduction, and for your  
warm reception. And let me welcome to Washington the trustees of  
our posterity. / High school students -- the best and the  
brightest -- who act for Nation and neighbor. // It is a  
pleasure to be at the Super Bowl of Science. //

We meet tonight on the fiftieth anniversary of the  
Westinghouse Science Talent Search -- a program which has helped  
make the past half-century a time of extraordinary exploration.  
// Not to date myself, but when I was growing up, PAC-MAN was a  
hiker, not a video game. / Who knows how future endeavors will  
make ours a richer, more decent world? //

((Now, I'll admit. Few have called me a virtuoso in  
science. // It's pretty hard for me to claim I'm adept at high  
tech when my grandkids keep beating me at "Nintendo." // I  
remember how once my science teacher said to me, "Whatever you do  
in life I hope you'll hold the torch on high -- as long as it

isn't a bunsen burner." // Even so, I did try a recent experiment that I'm proud of. I connected my VCR to our microwave oven and watched "Gone With the Wind" in 12 and 1/2 minutes.)) //

Jefferson wrote this in 1810 - well after the Rev. War. Let's change it to either "... general who fought with us in ..." OR "... general after the R.W."

Also: how about naming this general? Kosciusko.

Tonight, we honor scientists and researchers who -- thankfully -- have not followed my lead. Opening doors into an age where mankind not only moved into the future -- but re-invented it. // Think of discoveries like biotechnology and the microchip. And of pioneers like Kilby and Noyce and Herbert Boyer, the first person to splice a gene. All knew, as Thomas Jefferson wrote to a Polish general in the Revolutionary War, "The main objects of all science are the freedom and happiness of man." //

✓

Since the dark days of World War II, Westinghouse recipients have aided this freedom -- becoming an instrument of liberty and the symbol of the information age. // From the first man to win the top prize in the Science Talent Search -- Paul Teschan, who aiding kidney research -- to Raymond Kurzweil, whose reading devices make life easier for the blind -- each has reached for the stars -- so that future generations of Americans might someday travel to them. //

✓  
✓

Saving lives on the battlefield of Korea with ~~saved~~ <sup>saved</sup> soldiers lives with the artificial kidney in the Korean War.

This program's history reaffirms that truth. Five Westinghouse award recipients have won the Nobel Prize. Eight have received MacArthur ~~Foundation~~ Fellowships. // Three have been admitted to the National Academy of Engineering. Twenty-

✓

eight have also been elected to to the National Academy of Sciences -- one of your profession's highest honors. //

Albert Einstein put it best when he noted that everything that is really great and inspiring is created by individuals who labor in freedom. In short, he believed what all of these honorees believe -- freedom works. This year's national winners -- 40 in all -- were culled from more than 1,400 entries. Many belong to their school debate team, baseball club, their newspaper, their church group or band. // All have created research projects which show how the trailblazers of today can be the heroes of tomorrow. //

Consider Clifford Wang of Vero Beach. He proposed that seaweed can be grown in the ocean to remove pollutants which at the same time would produce energy. / Or Tara Bahna-James of New York City, who explored the relationship between math aptitude and musical talent. / In Spring, Texas, Wade Butin developed <sup>a</sup> varnish to withstand the <sup>rigors</sup> ~~effect~~ of weather and salt water. / And in Pittsburgh, Susan Criss recently completed a two-year project that showed how betacarotene in the bloodstream may reduce the risk of cancer. //

These and other projects show how learning is always a continuation, never a consummation -- that because freedom works, dreams make possible even greater dreams. // ((Here is a story which magnifies that fact. 1843. A Commissioner of Patents made a report to President Tyler. He said: "The advancement of the arts from year to year taxes our credulity and seems to presage

the arrival of that period when human improvement must end." // He went on to urge Congress to liquidate the Patent Office -- even Ripley wouldn't believe this -- because, he believed, there was nothing else to be invented.)) //

Today, all of us know better. We realize this Nation has no natural resources like its intellectual resources. So we must, and are, assisting the knowledge that is our most enduring legacy -- vital to everything we are and can become. //

The Nation's Governors and I have set a goal for U.S. students to be Number One in the world in math and science learning by the year 2000. We can achieve it. We will. // To start with, we will achieve it through our new National Educational Excellence Act that I will soon send to Congress. Last fall Congress acted favorably on our initiative for National Science Scholars program, which will give America's youth a special incentive to excel in science, mathematics, and engineering. //

We will also achieve this goal through research and development in all areas of science, technology, and engineering. Let me describe the emphasis on science and math. Our new budget for math and science education includes an increase of over ~~\$100~~<sup>\$225</sup> million. New funding totals \$76 billion for R & D -- including a record high of <sup>over</sup> \$13 billion for basic science<sup>r</sup> research. //

Our budget will double the funding for the National Science Foundation. / Devote over \$16 billion for <sup>major</sup> outer space activities -- up 15 per cent over last year -- <sup>and it also</sup> which supports the

the budget does not double the NSF funding.

the space budget has nothing to do with electric vehicles, the genome project, etc.

development of worthy ideas from electric powered vehicles to high performance computing in the human genome project. / It gives more money than ever to the small science research -- research by individuals -- embodied by the Westinghouse Science Talent Search. And <sup>it</sup> urges Congress to provide the 28 percent increase I seek to raise the quality of pre-college math and science education which we must do if American science and technology will continue to lead the world. ✓

This budget will help freedom work at home. Yet freedom has also helped advance the cause of liberty abroad. // For evidence, look to the Persian Gulf, where achievements in science are responsible for the high-tech equipment which has served our military so well. //

In the past, some have urged that we depend more for our protection on theories of deterrence than technologies of defense. Well, thank God that when the Scuds came -- the people of Israel and Saudi Arabia had more to protect them than some abstract theory of deterrence. //

Go to Riyadh or Tel Aviv. A theory didn't protect its citizens. Missiles born of technology did. Because of science and technology -- because of American creativity -- thousands of innocent civilians -- priceless human lives -- have been spared. Thank God for the Patriot and other missiles which show how American can-do stems from American know-how. //

If the cause of peace is to continue being served by American military power, it must continue being advanced by

American brain power. // Ask our troops in the Gulf. Yes, the finest soldiers, sailors, Marines, airmen, and Coast Guardsmen any Nation has ever had. They know the value of science and technology. Each day it brought closer freedom's ultimate victory. // Ask those other great heroes -- our teachers. Each day they give perhaps the greatest gift of sharing their knowledge with others. // Ask, finally, America's students and parents. They know that while learning is very practical, it is also among mankind's most noble endeavors. It can presage a new Golden Age -- yes, a new world order -- where creativity flows - - more than ever -- from the human heart and mind. //

What a magnificent legacy for the Westinghouse Science Talent Search. / What a magnificent metaphor for the dream that is America. / Thank you for tonight -- and for helping freedom to work. Please pray for our sons and daughters in the Persian Gulf. And let me leave you with three of the most beautiful words in ours or any language. God bless America.

# # # #

# CAROLYN'S COMMENTS

\* Note: - Before speaking, POTUS will meet the 40 students in a side room + view 3-4 projects.

- Also, the 40 students will be on stage w/him, on 3 tiers of risers.

(Smith/Cawley)  
February 25, 1991  
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Thank you, Mr. Lego, for that introduction, and for your warm reception. And let me welcome to Washington the trustees of our posterity. / High school students -- the best and the brightest -- who act for Nation and neighbor. // It is a pleasure to be at the Super Bowl of Science. //

We meet tonight on the fiftieth anniversary of the Westinghouse Science Talent Search -- a program which has helped make the past half-century a time of extraordinary exploration. // Not to date myself, but when I was growing up, PAC-MAN was a hiker, not a video game. / Who knows how future endeavors will make ours a richer, more decent world? //

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isn't a bunsen burner." // Even so, I did try a recent experiment that I'm proud of. I connected my VCR to our microwave oven and watched "Gone With the Wind" in 12 and 1/2 minutes.)) //

Tonight, we honor scientists and researchers who -- thankfully -- have not followed my lead. Opening doors into an age where mankind not only moved into the future -- but re-invented it. // Think of discoveries like the fax machine and the microchip. And of pioneers like Kilby and Noyce and Curie and Westinghouse. All knew, as Thomas Jefferson wrote to a Polish general <sup>who fought with us in</sup> ~~in~~ the Revolutionary War, "The main objects of all science are the freedom and happiness of man." //

Since the dark days of World War II, Westinghouse recipients have aided this freedom -- becoming an instrument of liberty and the symbol of the information age. // From the first man to win the top prize in the Science Talent Search -- Paul Teschan, aiding kidney research -- to Raymond Kurzweil, whose reading devices make life easier for the blind -- each has reached for the stars -- so that future generations of Americans might someday stand on them. //

This program's history reaffirms that truth. Five Westinghouse <sup>award</sup> recipients have won the Nobel Prize. Eight have received MacArthur ~~Foundation~~ Fellowships. // Three have been admitted to the National Academy of Engineering. Twenty <sup>eight</sup> ~~six~~ have also been elected to to the National Academy of Sciences -- <sup>one of</sup> ~~your~~ profession's highest ~~elective~~ honors. //

This is a paraphrase —  
remove quotation marks.

Albert Einstein put it best when he <sup>noted that</sup> said, "Everything that is really great and inspiring is created by individuals who labor in freedom." In short, he believed what all of these honorees believe -- freedom works. This year's <sup>national</sup> winners -- 40 in all -- were culled from more than 1,400 entries. Many belong to their school debate team, baseball club, their newspaper, their church group or band. // All have created research projects which show how the trailblazers of today can be the heroes of tomorrow. //

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These and other projects show how learning is always a continuance, never a consummation -- that because freedom works, dreams make possible even greater dreams. // ((Here is a story which magnifies that fact. 1843. A Commissioner of Patents made a report to President Tyler. He said: "The advancement of the arts from year to year taxes our credulity and seems to presage the arrival of that period when human improvement must end." // He went on to urge Congress to liquidate the Patent Office -- even Ripley wouldn't believe this -- because, he believed, there was nothing else to be invented.)) //

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I have announced that U.S. students <sup>must</sup> ~~will~~ be Number One <sup>in math and science achievement</sup> by the year 2000. We can achieve it. We will. // To start with, we will achieve it through our National Educational Excellence Act that I again urge Congress to pass. Let me especially salute our new Initiative of National Science Scholars, which gives America's youth a special incentive to excel in science, mathematics, and engineering. //

We will also achieve this goal through research and development in all areas of science, technology, and engineering. Let me describe the emphasis on science and math in our new budget for Fiscal Year 1992. // Imagine: A record high of \$76 billion for ~~basic research and R & D.~~ <sup>research and development, including R+D facilities</sup> -- and basic science <sup>\$1 billion, to over \$13 billion.</sup> research up ~~\$13 billion.~~ // Reflect upon: A budget which will

<sup>continue our commitment to</sup> double the National Science Foundation Budget if Congress will ~~cooperate.~~ <sup>cooperate.</sup> // Help me achieve: A budget which will devote over \$16 billion for <sup>major</sup> ~~outer~~ space activities -- up 15 per cent over last year. Giving more money than ever to the small science research -- research by individuals -- embodied by the Westinghouse Science Talent Search. //

This budget will help freedom work at home. Yet freedom has also helped advance the cause of liberty abroad. // For evidence, look in closing to the Persian Gulf, where achievements

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In the past, some have urged that we depend more for our protection on theories of deterrence than technologies of defense. Well, thank God that when the Scuds came -- the people of Israel and Saudi Arabia had more to protect than some abstract theory of deterrence. //

Go to Riyadh or Tel Aviv. A theory didn't protect its citizens. Missiles born of technology did. Because of science and technology -- because of American creativity -- thousands of innocent civilians -- priceless human lives -- have been spared. Thank God for the Patriot and other missiles which show how American can-do stems from American know-how. //

If the cause of peace is to continue being served by American military power, it must continue being advanced by American brain power. // Ask our troops in the Gulf. Yes, the finest soldiers, sailors, Marines, airmen, and Coast Guardsmen any Nation has ever had. They know the value of science and technology. Each day it brings closer freedom's ultimate victory. // Ask those other great heroes -- our teachers. Each day they give perhaps the greatest gift of sharing their knowledge with others. // Ask, finally, America's students and parents. They know that while learning is a very practical thing -- it is also among mankind's most noble things. It can presage a new Golden Age -- yes, a new world order -- where creativity flows -- more than ever -- from the human heart and mind. //

Fifty-one years ago, one of the greatest scientists of all time was moved by an American President who spoke of how technology could further peace. // His name was Edward Teller, hearing Franklin Roosevelt declare that "the great achievements of science . . . [would help] protect our culture, our American freedom, and our civilization." //

Teller later ~~wrote~~<sup>said</sup> that it was the duty of science to "work out the military problems, because without the work of the scientists, the war and the world would be lost." // He did his duty -- as you have -- as you are today. Helping to win the war in the Persian Gulf -- just as we will win the peace that follows. //

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91 FEB 26 AM: 04

DATE: 2/25/91- ACTION/CONCURRENCE/COMMENT DUE BY: 2/27/91 NOON

SUBJECT: PRESIDENTIAL REMARKS: WESTINGHOUSE ADDRESS

	ACTION FYI			ACTION FYI	
VICE PRESIDENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	MCCLURE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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FITZWATER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	BROMLEY	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GRAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
HOLIDAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS:

Please forward your comments directly to Chriss Winston, Rm. 122, x2930, no later than NOON, Wednesday, February 27, with a copy to this office. Thank you.

RESPONSE: *Minor editing until the last page. There, the focus on Edward Teller raises a serious concern. Many scientists, including most of the ones attending this dinner, view Teller with mixed feelings, though all view him to be a very good scientist (but not one of the greatest). Also, none of the students' projects will be focused on military technologies, and the reference to their duty will confuse them. As a transition to the final P, you could discuss Barbara McClintock's work, or Mary Good, the head of the National Science Board.*

PHILLIP D. BRADY  
Assistant to the President  
and Staff Secretary  
Ext. 2702

91 FEB 25 PM 5:51

(Smith/Cawley)  
February 25, 1991  
9 A.M.  
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It's not easy to find a woman for this list, + Westinghouse is in a different category, though he could be mentioned separately.

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"beta-carotene"  
 Should be checked.

beta-carotene

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I have announced that U.S. students will be Number One<sup>^</sup> by the year 2000. We can achieve it. We will. // To start with, we will achieve it through our National Educational Excellence Act that I again urge Congress to pass. Let me especially salute our new ~~Initiative of~~ National Science Scholars<sup>^</sup>, which<sup>^</sup> gives<sup>^</sup> America's youth a special incentive to excel in science, mathematics, and engineering. // *Program will*

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*NASA does very little "small science"*

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Shouldn't this phrase gradually be given a narrower rather than broader definition?

6

-- it is also among mankind's most noble things. It can presage a new Golden Age -- ~~yes, a new world order~~ -- where creativity flows -- more than ever -- from the human heart and mind. //

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**RESPONSE:**

*David*  
*on comments.*  
*RBP*

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*THE NATION'S GOVERNORS AND ADVANCED SIX NATIONAL EDUCATION GOALS*

*INCLUDING THE GOAL OF BEING NUMBER ONE IN THE WORLD IN MATH AND SCIENCE ACHIEVEMENT BY*  
I have announced that U.S. students will be Number One by the year 2000. We can achieve it. We will. // ~~To start with,~~

*OUR STUDENTS*  
~~we will achieve it through our National Educational Excellence~~

*LAST FALL THE CONGRESS ACTED*  
~~Act that I again urge Congress to pass. Let me especially salute~~

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# # # #

Call;  
- no comment  
- 5 P.  
- phone call

Pre-Brad  
COMMENTS

(Smith/Cawley)  
February 25, 1991  
9 A.M.  
WEST

PRESIDENTIAL REMARKS: WESTINGHOUSE ADDRESS  
WASHINGTON HILTON HOTEL  
MONDAY, MARCH 4, 1991  
7:00 P.M.

Secretary Sullivan, Dr. Bromley, Dr. Seaborg, Mr. Lego [Leg-go],  
Mr. Sherman, Ms. Luszcz [Loosh], Monsignor Quinn, Mr. Flatow,  
Members of the Westinghouse Science Foundation, past and current  
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Document No. 215720SS

91 FEB 27 ~~WHITE~~ HOUSE STAFFING MEMORANDUM

DATE: 2/25/91- ACTION/CONCURRENCE/COMMENT DUE BY: 2/27/91 NOON

SUBJECT: PRESIDENTIAL REMARKS: WESTINGHOUSE ADDRESS

	ACTION FYI			ACTION FYI	
VICE PRESIDENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	MCCLURE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SUNUNU	<input type="checkbox"/>	<input type="checkbox"/>	NEWMAN	<input type="checkbox"/>	<input type="checkbox"/>
SCOWCROFT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PORTER	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DARMAN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ROGICH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BRADY	<input type="checkbox"/>	<input checked="" type="checkbox"/>	UNTERMAYER	<input type="checkbox"/>	<input type="checkbox"/>
CARD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>ROGERS</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DEMAREST	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>WINSTON</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
FITZWATER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>BROMLEY</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GRAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>
HOLIDAY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS:

Please forward your comments directly to Chriss Winston, Rm. 22, x2930, no later than NOON, Wednesday, February 27, with a copy to this office. Thank you.

RESPONSE:

*No comments  
2/27/91*

PHILLIP D. BRADY  
Assistant to the President  
and Staff Secretary  
Ext. 2702

91 FEB 27 12:54

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RESPONSE:

*John  
 You may have  
 other comments but I'd  
 drop the not-so-fornies  
 as noted.*



**PHILLIP D. BRADY**  
 Assistant to the President  
 and Staff Secretary  
 Ext. 2702

91 FEB 25 PM 5:51

(Smith/Cawley)  
February 25, 1991  
9 A.M.  
WEST

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WASHINGTON HILTON HOTEL  
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7:00 P.M.

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THE WHITE HOUSE

WASHINGTON

91 FEB 26 P3:37

February 26, 1991

MEMORANDUM FOR CHRISS WINSTON  
DEPUTY ASSISTANT TO THE PRESIDENT FOR  
COMMUNICATIONS AND DIRECTOR OF SPEECHWRITING

FROM: JEFFREY R. HOLMSTEAD *JRH/kem*  
ASSOCIATE COUNSEL TO THE PRESIDENT

SUBJECT: Presidential Remarks - Westinghouse Address

Counsel's Office has no legal objection to the Presidential remarks referenced above.

Thank you for the opportunity to review this matter.

Attachment

cc: Phillip D. Brady  
Assistant to the President  
and Staff Secretary

**WHITE HOUSE STAFFING MEMORANDUM**

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Consider Clifford Wang of Vero Beach. He proposed that seaweed be grown in the ocean to remove pollutants while also producing energy. / Or Tara-Bahn James of New York City, who explored the relationship between math aptitude and music talent. / In Spring, Texas, Wade Butin developed varnish to withstand the effect of weather and salt water. / And in Pittsburgh, Susan Criss recently completed a two-year project that showed how beta-carotene may reduce the risk of cancer. //

These and other projects show how learning is always a continuance, never a consummation -- that because freedom works, dreams make possible even greater dreams. // ((Here is a story which magnifies that fact. 1843. A Commissioner of Patents made a report to President Tyler. He said: "The advancement of the arts from year to year taxes our credulity and seems to presage the arrival of that period when human improvement must end." // He went on to urge Congress to liquidate the Patent Office --

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Today, all of us know better. We realize this Nation has no natural resouces like its intellectual resources. So we must, and are, assisting the knowledge that is our most enduring legacy -- vital to everything we are and can become. //

I have announced that U.S. students will be Number One by the year 2000. We can achieve it. We will. // To start with, we will achieve it through our National Educational Excellence Act that I again urge Congress to pass. Let me especially salute our new Initiative of National Science Scholars, which gives America's youth a special incentive to excel in science, mathematics, and engineering. //

We will also achieve this goal through research and development in all areas of science, technology, and engineering. Let me describe the emphasis on science and math in our new budget for Fiscal Year 1992. // Imagine: A record high of \$76 billion for basic research and R & D. -- and basic science research up \$13 billion. / Reflect upon: A budget which will double the National Science Foundation Budget if Congress will cooperate. // Help me achieve: A budget which will devote over \$16 billion for outer space activities -- up 15 per cent over last year. Giving more money than ever to the small science research -- research by individuals -- embodied by the Westinghouse Science Talent Search. //

This budget will help freedom work at home. Yet freedom has also helped advance the cause of liberty abroad. // For evidence, look in closing to the Persian Gulf, where achievements in science are responsible for the high-tech equipment which has served our military so well. //

In the past, some have urged that we depend more for our protection on theories of deterrence than technologies of defense. Well, thank God that when the Scuds came -- the people of Israel and Saudi Arabia had more to protect than some abstract theory of deterrence. //

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# # # #

(Smith/Cawley)  
February 25, 1991  
9 A.M.  
WEST

PRESIDENTIAL REMARKS: WESTINGHOUSE ADDRESS  
WASHINGTON HILTON HOTEL  
MONDAY, MARCH 4, 1991  
7:00 P.M.

Secretary Sullivan, Dr. Bromley, Dr. Seaborg, Mr. Lego [Leg-go],  
Mr. Sherman, Ms. Luszcz [Loosh], Monsignor Quinn, Mr. Flatow,  
Members of the Westinghouse Science Foundation, past and current  
Westinghouse Award recipients, judges of the Science Talent  
Search, distinguished guests of science, ladies and gentlemen. /

Thank you, Mr. Lego, for that introduction, and for your  
warm reception. And let me welcome to Washington the trustees of  
our posterity. / High school students -- the best and the  
brightest -- who act for Nation and neighbor. // It is a  
pleasure to be at the Super Bowl of Science. //

We meet tonight on the fiftieth anniversary of the  
Westinghouse Science Talent Search -- a program which has helped  
make the past half-century a time of extraordinary exploration.

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# # # #

THE WHITE HOUSE

Office of the Press Secretary

For Immediate Release

March 4, 1991

REMARKS BY THE PRESIDENT  
AT 50TH ANNIVERSARY OF  
WESTINGHOUSE SCIENCE TALENT SEARCH

The Hilton Hotel  
Washington, D.C.

7:28 P.M. EST

THE PRESIDENT: Thank you. Please be seated. Let me just say how pleased I am to be here, salute the members of my Cabinet here: Secretary Sullivan; and Governor and Mrs. Sununu; Dr. Bromley, outstanding Science Advisor to the President; Dr. Seaborg, an old friend who's been so instrumental in all of this. Mr. Lego, Mr. Sherburne, Ms. Luszcz, Monsignor Quinn, Mr. Flatow, and trustees of the Westinghouse Foundation. And then, of course, the past and current Westinghouse Award recipients; also, the judges of the Science Talent Search; distinguished guests of science; and that leaves me as the only one. (Laughter.)

I went in and saw five of these displays in there on the condition that they'd not give a test after they explained exactly what they had wrought. (Laughter.) And I wish all of you could have seen it; it was wonderful.

But thank you, sir, for introducing me and for all you do, for this warm reception out here. And let me welcome to Washington the trustees of our posterity -- high school students -- the best and the brightest. High school students who act for the nation and neighbor. And it's a pleasure for me to be here at this Super Bowl of Science.

You know, we meet tonight on the 50th anniversary of the Westinghouse Science Talent Search -- a program which has helped make the past half-century a time of extraordinary exploration. Fifty years ago, 1941, just think of the changes since then. As for the VCR -- people couldn't set their clocks on the VCR back then either. (Laughter.) Because there wasn't any VCR. (Laughter.) When I was growing up in 1941, PAC-MAN was a hiker, not a video game. (Laughter.) And there have been so many changes, so much scientific change for the good. And who knows how future endeavors will make ours a richer, more decent world?

Tonight, we honor distinguished scientists and researchers who are opening doors into an age where mankind not only moved into the future, but reinvented it. Think of discoveries like biotechnology and the microchip. And of pioneers like Kilby and Noyce or Cohen and Boyer, the first two people to splice a gene. All knew, as Thomas Jefferson wrote to a Polish general who fought with us in the Revolutionary War, "The main objects of all science are the freedom and happiness of man."

Since the dark days of World War II, Westinghouse recipients have aided this freedom -- becoming an instrument of liberty and the symbol of the information age. From the first man to win the top prize in the Science Talent Search -- Paul Teschan, saving soldiers lives with the artificial kidney in the Korean War, to Raymond Kurzweil, whose reading devices make life easier for the blind. Each has reached for the stars so that future generations of Americans might someday travel to them.

MORE

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Albert Einstein put it best when he noted that everything that is really great and inspiring is created by individuals who labor in freedom. In short, he believed what all of these honorees believe -- freedom works. This year's national winners, 40 in all, were culled from more than 1,400 entries. Many belong to their school debate team, or baseball club, or their newspaper, or their church group or their band. All have created research projects which show how the trailblazers of today can indeed be the heroes of tomorrow.

Consider Clifford Wang of Vero Beach. He proposed that seaweed can be grown in the ocean to remove metal pollutants and then harvested for methane generation, cleaning the environment while at the same time producing energy. Or Tara -- Tara Bahna-James of New York City, who explored the relationship between math aptitude and musical talent. In Spring, Texas -- right there in my old congressional district -- Wade Butine developed a varnish to withstand the rigors of weather and salt water. And in Pittsburgh, Susan Criss recently completed a two-year project -- it's one of the five I saw -- that showed how betacarotene in the bloodstream may reduce the risk of cancer.

These and other projects show how learning is always a continuation, never a consummation -- that because freedom works, dreams make possible even greater dreams. Here's a story which magnifies that fact. In 1843, a Commissioner of Patents made a report to President Tyler. And he said, "The advancement of the arts from year to year taxes our credulity and seems to presage the arrival of that period when human improvement must end." He went on to urge that the Patent Office be liquidated -- even Ripley wouldn't believe this -- (laughter) -- because, he allegedly believed, there was nothing else to be invented. (Laughter.)

Today, all of us know better. We realize this nation has no natural resources like its intellectual resources. So we must, and are, assisting the knowledge that is our most enduring legacy, vital to everything we are and can become.

The nation's governors and I have set a goal -- a national goal -- for U.S. students to be number one in the world in math and science learning by the year 2000. And we can achieve it. We will achieve it. To start with, we will achieve it through our own National Educational Excellence Act that I will soon send up to Congress. Last fall Congress acted favorably on our initiative for a National Science Scholars program, which will give America's youth a special incentive to excel in science, math and engineering.

We will also achieve this goal through research and development in all areas of science, technology and engineering. Last month, I submitted our new budget to the Congress and it includes special emphasis on math and science education. We propose an increase of \$225 million for math and science education; new funding for R&D that total \$76 billion, including a record high of over \$13 billion for basic science research.

Our budget will continue our basic commitment to double the funding for the National Science Foundation; devote over \$16 billion for major space activities, and that's up 15 percent over last year; and support the development of worthy ideas from electric powered vehicles to high performance computing to the human genome project. It gives more money than ever to the small science research, research by individuals embodied, if you will, by the Westinghouse Science Talent Search. And it urges Congress to provide the 28 percent increase I seek to raise the quality of precollege math and science education which we must do if American science and

technology will continue to lead the world.

This budget will help freedom work at home. And yet this freedom has also helped advance the cause of liberty abroad. For evidence, look halfway around the world at the Persian Gulf, where achievements in science are responsible for the high-tech equipment which has served our military so well.

In the past, some have urged that we depend more for our protection on theories of deterrence than technologies of defense. Well, thank God that when those Scuds came in, the people of Israel and Saudi Arabia had more to protect them than some abstract theory of deterrence. (Applause.)

You just go over to Riyadh or Tel Aviv. And a theory didn't protect those citizens. Patriot missiles born of technology did. Because of science and technology, because of American creativity, thousands of innocent civilians, priceless human lives, have been spared. The Patriot and other missiles show how American innovation stems from American inspiration.

If the cause of peace is to continue being served by American military power, it must continue being advanced by American brain power. Ask our troops in the Gulf. Yes, those finest soldiers, sailors, airmen, Marines, Coast Guardsmen any nation has ever had. Today, all of us are especially grateful that 10 coalition POWs, including several Americans, are on their way back home. And our remaining POWs should not be far behind. (Applause.) The welfare of our troops was our top priority in the war. And as we forge a new peace, all of them will be on our minds until all of them are back home. Each of these brave men and women know how science and technology brought closer freedom's ultimate victory.

Ask, too, those other great heroes, our teachers. Each day they give perhaps the greatest gift of sharing their knowledge with others. And ask, finally, America's students and parents. They know that while learning is very practical, it is also among mankind's most noble endeavors. It can presage a new golden age, a bold, new world order where creativity flows more than ever from the human heart and mind.

Over the past half-century, scientific breakthroughs have benefitted us all. From the first radar to pioneering advances in shock and burn treatment, to the revolutionary laser, to the high-tech of today, America's scientists have done their duty, as they will in the future, helping us not merely to prevail at war but also, more importantly, to win the peace.

What a magnificent legacy for the Westinghouse Science Talent Search. What a magnificent metaphor for the dream that is America.

Thank you for all you do. Congratulations to each and every one of you. Please continue -- I would ask this of all of you -- to pray for our sons and daughters in the Gulf and for peace -- lasting peace in that troubled corner of the world..

God bless you all and thank you very much. (Applause.)

END

7:41 P.M. EST