

Originally Processed With FOIA(s):
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: 13628
Folder ID Number: 13628-008

Folder Title:
Science and Technology Medals Presentation 6/23/92 [OA 5809]

Stack:	Row:	Section:	Shelf:	Position:
G	26	18	3	1

June 23 / Administration of George Bush, 1992

a strike takes place, or a lockout, it could be ended and ended right away.

Q. Do you plan to call congressional leaders today, sir, to express your feelings?

The President. Well, they know our views; we've expressed it. But we were just talking about that. I might well do that. But if that would help, I'll do it.

Q. Have you been talking—

Q. If the legislation goes through, could it be passed?

The President. It could be done in a day. I mean yes, it's happened before. The last two times, I believe it was just one day.

Secretary Card. Seventeen hours.

The President. Yes, 17 hours, Andy is reminding me, was the last one.

Q. Have you been consulting with the automakers or the shippers or people that have urged you to take this action?

The President. The Secretary's talked to everybody, yes.

Q. Have you urged them not to do a lockout if there's a partial strike?

The President. Well, I'd leave the technical questions to the Secretary. He's tried to avoid shutdowns in every way, and he's gone the extra mile. A lot of people have been cooperative, he tells me. So it's not a one-sided picture here. But the bottom line is, the public are not served by a strike that lasts for any time at all. And so the Congress should do now, if that's the case and there is a strike tomorrow, it ought to do what it's done to incidents before this: move. The last one took 17 hours to legislate it, to solve it. It can be done that quick or quicker.

Q. Is there any reason—

The President. This is a challenge to the Congress to do what's best for the American people, should it get to that.

Q. Would a rail strike hurt the economic recovery, sir? Could it throw it back?

The President. Yes it could. It could adversely affect the workers in this country, and it could adversely affect a lot of things, depending, obviously, how long it goes on.

Q. Is there any reason for optimism in collective bargaining—will resolve this thing at this point?

Secretary Card. They're still at the table, which is a good sign; so the dialog is continuing.

The President. You've got several different entities, is a part of the problem here. Some seem to think that it can be avoided, and others think not.

Q. But it sounds like, from making the statement to us, that you feel pretty pessimistic.

The President. I feel I cannot tell the American people that I think it will be resolved through negotiation as it should be. So I just think it's important to get in focus the fact that if there is a strike, it ought to be quickly solved by legislation.

Q. Anything from Capitol Hill whether they would go along with that, sir?

The President. Different reaction from different Members of Congress, I'm told.

Thank you very much for your interest.

Note: The President spoke at 11:54 a.m. in the Oval Office at the White House, following a meeting with Secretary of Transportation Andrew H. Card, Jr.

Remarks on Presenting the National Medal of Science and the National Medal of Technology

June 23, 1992

Thank you and welcome to the Rose Garden. Well, thank you very much. And what a beautiful day here in the Rose Garden. May I salute Dr. Bromley; Dr. Bernthal, the Deputy Director of the National Science Foundation; and of course, over my right shoulder here, Secretary Barbara Franklin, Secretary of Commerce; also Congressman Vander Jagt, who's so interested in all of this, and so many special guests here today, and then three generations of American scientists.

As I look out at the group here of the men and women that we honor, you may remember what Albert Einstein said to his fellow scientists "Concern for man himself and his fate must always form the chief interest of all technical endeavors in order that the creations of our mind should be a blessing and not a curse to mankind." Today we honor men and women whose life's work answers Einstein's challenge. They bless mankind,

ish, 1992

eral dif-
em here.
avoided,

king the
essimis-

tell the
ll be re-
ould be.
in focus
ought to

whether

on from
told.
rest.

a.m. in
ollowing
ortation

tional
nal

ose Gar-
nd what
en. May
he Dep-
founda-
houlder
ecretary
Vander
his, and
nd then
sts.

the men
remem-
s fellow
and his
erest of
the cre-
ing and
e honor
answers
ankind,

not only with the brilliance of their minds but with the integrity of their hearts.

I am very proud to present the National Medals of Science and Technology to our 16 recipients, to these men and women of persistent and, at times, clairvoyant determination. They've explained the frontiers of science on canvasses as infinitesimal as a single human cell and as infinite as space itself. We honor them for their accomplishments. But we honor them, also, for having the courage to undertake the journey.

There's a church in Sussex, England which has a wonderful inscription that captures these recipients' pioneer spirit of innovation. The inscription says, "A vision without a task is but a dream; a task without a vision is drudgery; but a vision with a task is the hope of the world." The hope of our world lies in individuals who asked why and then followed wherever that question led. Scientists like Nobel Prize Laureate Howard Temin, a truly seminal thinker in the history of biology who reshaped our thoughts about RNA and DNA. Entrepreneurs like Bill Gates, who cofounded Microsoft and in the process literally led a revolution in the information industry. Visionaries like Eugene Shoemaker, who helped to transform our world, not only through the astounding breadth of his contributions to space explorations but also through the infectious enthusiasm of his imagination. Inventors like Norman Joseph Woodland, who developed a simple device of our daily lives: bar coding. You've seen first-hand how impressed I am—[laughter]—by how bar coding works. Amazing.

You all proved that America's greatest resource is the genius of our people. We must encourage, we must support it. That's why Congress must double the budget of the National Science Foundation by 1994 and keep funding on track in 1993 for the superconducting supercollider. That's why I'm committed to increases in R&D funding, large increases in R&D funding, to let our most talented people push the limits of their imaginations to understand the universe and to use the results to create jobs in the future of others. And to support research I've also established a national technology initiative to bring Government officials together with private business to shape technology, to move

the new discoveries out of the Federal labs into the marketplace.

In addition, I believe that we need to stimulate private sector investment, the engine obviously of any entrepreneurial economy and that's why I'm going to continue to fight so hard to get Congress to slash the capital gains tax. This would create new businesses, encourage new innovation. I also want to make that R&E, that research and experimentation tax credit permanent.

The world economy of the 21st century will demand a new age of American competitiveness in a fiercely challenging global marketplace. In order to compete we must make immediate, drastic changes beginning with the need for the best-educated, the most well-educated workers. Many of you here today, I'm told, are teachers, influencing one dream at a time, and you know that education is the basis of our future. You know the terrible fact that in some math and science studies we rank almost last, almost last among the industrialized nations. Rest assured we will turn that around. I'm counting on you, and I pledge to you the support of this Government.

Technical competence is so vital that one of our six national education goals is to be the first in world math and science by the year 2000. In order to reach that goal our budget invests \$768 million in precollege math and science education, an increase I believe it's about 18 percent over last year and 123 percent over the way things were just back in 1990.

We must open a new world of educational opportunity for America's children and give middle- and low-income families more of the same choice of all schools that wealthier families already have. So, later this week I'll announce a new proposal that will do just that. It's a "GI bill" for America's children.

Forty-eight years ago the original GI bill opened educational doors for our war vets by giving them dollars to spend at any school they chose, public, private, or religious. It created a competitive marketplace of colleges and universities and encouraged improvement through innovation. Now it's time that we give the families the same consumer power for choice in precollege schools. That's

why I'm introducing this exciting and, I think, powerful bill for our future.

Our Nation can remain strong only by investing its resources and talents in science, technology, and education. And I want to recognize a group of special people who are dedicating their lives to that quest. Our first class of Presidential faculty fellows, 30 young faculty members named for their excellence and promise in research and teaching. These scientists and engineers represent the best investment that we can make in our future. But I'd like to remind them of something. As you look at the distinguished medalists that we honor today, remember that whatever work you do, you will be standing on the shoulders of giants.

I want to tell you about something, in conclusion here, pretty unusual that I ran into—I want to say discovered—a few months ago up in New Hampshire. Dean Kamen is here. He is a very special individual. What I'm talking about, the discovery, was of something known as the "Maize Craze" competition. I'm not sure exactly how to describe it. Kids have to make a kind of a robot to fetch tennis balls out of a box filled with corn. Some of the best ideas sound pretty strange at first, but let me tell you, this is a terrific idea.

I was enormously impressed, Dean, by how this "Maize Craze" teams high school students with high-powered engineering teams from major universities and corporations, a great example of the private-public partnership that will lead us to excellence in the next century. I had forgotten what a salesman Dean is, but he just came into my office and he said, "Now, if these corporations can sponsor Olympic athletes, why isn't it a great idea that they encourage young scientists in the same way?" And he's absolutely right about that. "Maize Craze" is part of U.S. FIRST, a national alliance of business, education, and Government working to reverse declining student interest and performance in science and math.

I invited Dean to bring his winners here today, sponsors Xerox and NYPRO, and teams from Wilson Magnet and Clinton High Schools. We're honoring today a spectrum of achievers that goes then from high school to the pinnacle of research. In turn, we need to nurture every step on the educational ladder,

for each depends on the soundness of the preceding one.

So I just came out here to say congratulations to all of you, especially, of course, to our distinguished medalists who show us the triumph of the human mind and the unfolding drama of the human imagination.

May God bless all of you. And now, Dr. Bernthal will present the citations, and I will stand in awe as these geniuses come marching by.

Congratulations, and thank you all for coming.

[At this point, Dr. Bernthal presented the medals.]

Well, I believe that concludes our ceremony. Dean, are those young people with you here? Maybe we could ask them to stand up, all those that came down from the "Maize" group. Where are you, all of you scientists—tortured my mind up there.

Well, that concludes our ceremony. But we're just delighted you all were here, and thank you very much for coming. Thank you.

Note: The President spoke at 1:38 p.m. in the Rose Garden at the White House. In his remarks, he referred to Dean L. Kamen, founder of U.S. FIRST, and D. Allan Bromley, Assistant to the President for Science and Technology and Director of the Office of Science and Technology Policy.

Proclamation 6450—Year of Reconciliation Between American Indians and Non-Indians, 1992

June 23, 1992

By the President of the United States of America

A Proclamation

By observing 1992 as the Year of the American Indian, we celebrate the rich heritage of each of this country's native peoples, as well as the unique government-to-government relationship that has evolved between Indian tribes and the Federal Government of the United States. At a time when we are working hard to strengthen a relationship based on mutual trust and cooperation—one

SCIENCE AND TECHNOLOGY MEDALS PRESENTATION \ ROSE GARDEN

TUESDAY, JUNE 23, 1992 \ 1:30 P.M.

THANK YOU, AND WELCOME TO THE ROSE GARDEN.

**SECRETARY FRANKLIN; ~~ADMIRAL WATKINS~~; ~~ADMIRAL GOLDIN~~;
DR. BROMLEY; DR. [FREDERICK] BERNTHAL, DEPUTY DIRECTOR
OF THE NATIONAL SCIENCE FOUNDATION; CONGRESSMAN VANDER
JAGT; AND OUR SPECIAL GUESTS -- THREE GENERATIONS OF
AMERICAN SCIENTISTS.**

- 2 -

**AS I LOOK OUT AT THE MEN AND WOMEN WE HONOR TODAY,
I'M REMINDED OF SOMETHING ALBERT EINSTEIN ONCE SAID TO
HIS FELLOW SCIENTISTS: "CONCERN FOR MAN HIMSELF AND
HIS FATE MUST ALWAYS FORM THE CHIEF INTEREST OF ALL
TECHNICAL ENDEAVORS ... IN ORDER THAT THE CREATIONS OF
OUR MIND SHALL BE A BLESSING AND NOT A CURSE TO
MANKIND."**

**TODAY WE HONOR MEN AND WOMEN WHOSE LIFEWORK ANSWERS
EINSTEIN'S CHALLENGE.**

THEY BLESS MANKIND NOT ONLY WITH THE BRILLIANCE OF THEIR MINDS -- BUT WITH THE INTEGRITY OF THEIR HEARTS.

I'M PROUD TO PRESENT THE NATIONAL MEDALS OF SCIENCE AND TECHNOLOGY TO OUR 16 RECIPIENTS -- TO THESE MEN AND WOMEN OF PERSISTENT AND, AT TIMES, CLAIRVOYANT DETERMINATION. THEY HAVE EXPANDED THE FRONTIERS OF SCIENCE ON CANVASES AS INFINITESIMAL AS A SINGLE HUMAN CELL -- AND AS INFINITE AS SPACE ITSELF.

WE HONOR THEM FOR THEIR ACCOMPLISHMENTS -- BUT WE HONOR THEM ALSO FOR HAVING THE COURAGE TO UNDERTAKE THE JOURNEY. THERE'S A CHURCH IN SUSSEX, ENGLAND WHICH HAS A WONDERFUL INSCRIPTION THAT CAPTURES THESE RECIPIENTS' PIONEER SPIRIT OF INNOVATION AND INVENTION. THE INSCRIPTION SAYS: "A VISION WITHOUT A TASK IS BUT A DREAM; A TASK WITHOUT A VISION IS DRUDGERY; [BUT] A VISION WITH A TASK IS THE HOPE OF THE WORLD."

THE HOPE OF OUR WORLD LIES IN INDIVIDUALS WHO ASKED WHY -- AND THEN FOLLOWED WHEREVER THAT QUESTION LED. SCIENTISTS LIKE NOBEL PRIZE LAUREATE HOWARD TEMIN [TEH-MIN], A TRULY SEMINAL THINKER IN THE HISTORY OF BIOLOGY WHO RESHAPED OUR THOUGHTS ABOUT RNA AND DNA. ENTREPRENEURS LIKE BILL GATES, WHO CO-FOUNDED MICROSOFT AND LED A REVOLUTION IN THE INFORMATION INDUSTRY.

VISIONARIES LIKE EUGENE SHOEMAKER, WHO HELPED TO TRANSFORM OUR WORLD NOT ONLY THROUGH THE ASTOUNDING BREADTH OF HIS CONTRIBUTIONS TO SPACE EXPLORATION, BUT ALSO THROUGH THE INFECTIOUS ENTHUSIASM OF HIS IMAGINATION. AND INVENTORS LIKE NORMAN JOSEPH WOODLAND, WHO DEVELOPED A SIMPLE DEVICE OF OUR DAILY LIVES -- BAR CODING. YOU'VE SEEN FIRST-HAND HOW IMPRESSED I AM BY HOW BAR CODING WORKS. \\\

YOU ALL PROVE THAT AMERICA'S GREATEST RESOURCE IS THE GENIUS OF OUR PEOPLE. WE MUST ENCOURAGE AND SUPPORT IT -- THAT'S WHY CONGRESS MUST DOUBLE THE BUDGET OF THE NATIONAL SCIENCE FOUNDATION BY 1994; AND KEEP FUNDING ON TRACK IN 1993 FOR THE SUPER CONDUCTING SUPER COLLIDER.

AND THAT'S WHY I'M COMMITTED TO INCREASES IN R&D FUNDING -- TO LET OUR MOST TALENTED PEOPLE PUSH THE LIMITS OF THEIR IMAGINATIONS, TO UNDERSTAND THE UNIVERSE, AND TO USE THE RESULTS TO CREATE JOBS AND FUTURES FOR OTHERS.

AND TO SUPPORT RESEARCH, I'VE ALSO ESTABLISHED A NATIONAL TECHNOLOGY INITIATIVE TO BRING GOVERNMENT OFFICIALS TOGETHER WITH PRIVATE BUSINESSES TO SHARE TECHNOLOGY -- TO MOVE NEW DISCOVERIES OUT OF FEDERAL LABS AND INTO THE MARKETPLACE. \\
\\

IN ADDITION, I BELIEVE WE NEED TO STIMULATE PRIVATE SECTOR INVESTMENT -- THE ENGINE OF ANY ENTREPRENEURIAL ECONOMY. THAT'S WHY I'M FIGHTING SO HARD TO GET CONGRESS TO SLASH THE CAPITAL GAINS TAX \\
\\ -- AND MAKE THE RESEARCH AND EXPERIMENTATION TAX CREDIT PERMANENT.

THE WORLD ECONOMY OF THE 21ST CENTURY WILL DEMAND A NEW AGE OF AMERICAN COMPETITIVENESS IN A FIERCELY CHALLENGING GLOBAL MARKETPLACE. IN ORDER TO COMPETE WE MUST MAKE IMMEDIATE, DRASTIC CHANGES -- BEGINNING WITH THE NEED FOR WELL-EDUCATED WORKERS.

MANY OF YOU ARE TEACHERS, INFLUENCING ONE DREAM AT A TIME. YOU KNOW THAT EDUCATION IS THE BASIS OF OUR FUTURE. YOU KNOW THE TERRIBLE FACT THAT IN SOME MATH AND SCIENCE STUDIES WE RANK ALMOST LAST AMONG THE INDUSTRIALIZED NATIONS. REST ASSURED -- WE WILL TURN THAT AROUND.

TECHNICAL COMPETENCE IS SO VITAL THAT ONE OF OUR SIX NATIONAL EDUCATION GOALS IS TO BE FIRST IN THE WORLD IN MATH AND SCIENCE BY THE YEAR 2000. IN ORDER TO REACH THAT GOAL, MY BUDGET INVESTS \$768 MILLION IN PRECOLLEGE MATH AND SCIENCE EDUCATION -- AN INCREASE OF 18% OVER LAST YEAR, AND 123% OVER 1990. \\\

WE MUST OPEN A NEW WORLD OF EDUCATIONAL OPPORTUNITIES FOR AMERICA'S CHILDREN -- AND GIVE MIDDLE- AND LOW-INCOME FAMILIES MORE OF THE SAME CHOICE OF ALL SCHOOLS THAT WEALTHIER FAMILIES ALREADY HAVE.

SO, LATER THIS WEEK I'LL ANNOUNCE A NEW PROPOSAL THAT WILL DO JUST THAT.

IT'S A GI BILL FOR AMERICA'S CHILDREN. 48 YEARS AGO, THE ORIGINAL GI BILL OPENED EDUCATIONAL DOORS FOR OUR WAR VETS BY GIVING THEM DOLLARS TO SPEND AT ANY SCHOOL THEY CHOSE -- PUBLIC, PRIVATE OR RELIGIOUS. IT CREATED A COMPETITIVE MARKETPLACE OF COLLEGES AND UNIVERSITIES AND ENCOURAGED IMPROVEMENT THROUGH INNOVATION.

NOW IT'S TIME WE GIVE FAMILIES THE SAME CONSUMER POWER FOR CHOICE IN PRE-COLLEGE SCHOOLS -- THAT'S WHY I'M INTRODUCING THIS EXCITING AND POWERFUL BILL FOR OUR FUTURE. \\\

OUR NATION CAN REMAIN STRONG ONLY BY INVESTING ITS RESOURCES AND TALENTS IN SCIENCE, TECHNOLOGY AND EDUCATION. I WANT TO RECOGNIZE A GROUP OF SPECIAL PEOPLE WHO ARE DEDICATING THEIR LIVES TO THAT QUEST -- OUR FIRST CLASS OF PRESIDENTIAL FACULTY FELLOWS -- 30 YOUNG FACULTY MEMBERS NAMED FOR THEIR EXCELLENCE AND PROMISE IN RESEARCH AND TEACHING.

THESE SCIENTISTS AND ENGINEERS REPRESENT THE BEST INVESTMENT WE CAN MAKE IN OUR FUTURE. BUT I'D LIKE TO REMIND THEM OF SOMETHING. AS YOU LOOK AT THE MEDALISTS WE HONOR TODAY, REMEMBER THAT WHATEVER WORK YOU DO -- YOU WILL BE STANDING ON THE SHOULDERS OF GIANTS. \\\

I WANT TO TELL YOU ABOUT SOMETHING PRETTY UNUSUAL I DISCOVERED A FEW MONTHS AGO IN NEW HAMPSHIRE -- THE "MAIZE CRAZE" COMPETITION. I'M NOT SURE EXACTLY HOW TO DESCRIBE IT -- KIDS HAVE TO MAKE A ROBOT TO FETCH TENNIS BALLS OUT OF A BOX FILLED WITH CORN. \\\

WELL, SOME OF THE BEST IDEAS SOUND PRETTY STRANGE AT FIRST -- AND LET ME TELL YOU, THIS IS A TERRIFIC IDEA.

I WAS ENORMOUSLY IMPRESSED BY HOW THIS "MAIZE CRAZE" TEAMS HIGH-SCHOOL STUDENTS WITH HIGH-POWERED ENGINEERING TEAMS FROM MAJOR UNIVERSITIES AND CORPORATIONS -- A GREAT EXAMPLE OF THE PRIVATE-PUBLIC PARTNERSHIP THAT WILL LEAD US TO EXCELLENCE IN THE NEXT CENTURY.

"MAIZE CRAZE" IS PART OF US FIRST, A NATIONAL ALLIANCE OF BUSINESS, EDUCATION AND GOVERNMENT WORKING TO REVERSE DECLINING STUDENT INTEREST AND PERFORMANCE IN SCIENCE AND MATH. I INVITED DEAN KAMEN TO BRING HIS WINNERS HERE TODAY -- SPONSORS XEROX AND NYPRO, AND TEAMS FROM WILSON MAGNET AND CLINTON HIGH SCHOOLS. \\\

WE ARE HONORING TODAY A SPECTRUM OF ACHIEVERS THAT GOES FROM HIGH SCHOOL TO THE PINNACLE OF RESEARCH.

IN TURN, WE NEED TO NURTURE EVERY STEP OF THE EDUCATIONAL LADDER, FOR EACH DEPENDS ON THE SOUNDNESS OF THE PRECEDING ONE. \\\

CONGRATULATIONS TO ALL OF YOU -- ESPECIALLY OUR DISTINGUISHED MEDALISTS, WHO SHOW US THE TRIUMPH OF THE HUMAN MIND AND THE UNFOLDING DRAMA OF THE HUMAN IMAGINATION. MAY GOD BLESS YOU ALL. AND NOW, DR. BERNTHAL WILL PRESENT THE CITATIONS.

#

SCIENCE AND TECHNOLOGY MEDALS PRESENTATION \ ROSE GARDEN

TUESDAY, JUNE 23, 1992 \ 1:30 P.M.

THANK YOU, AND WELCOME TO THE ROSE GARDEN.

**SECRETARY FRANKLIN; ADMIRAL WATKINS; ADMIRAL GOLDIN;
DR. BROMLEY; DR. [FREDERICK] BERNTHAL, DEPUTY DIRECTOR
OF THE NATIONAL SCIENCE FOUNDATION; CONGRESSMAN VANDER
JAGT; AND OUR SPECIAL GUESTS -- THREE GENERATIONS OF
AMERICAN SCIENTISTS.**

- 2 -

**AS I LOOK OUT AT THE MEN AND WOMEN WE HONOR TODAY,
I'M REMINDED OF SOMETHING ALBERT EINSTEIN ONCE SAID TO
HIS FELLOW SCIENTISTS: "CONCERN FOR MAN HIMSELF AND
HIS FATE MUST ALWAYS FORM THE CHIEF INTEREST OF ALL
TECHNICAL ENDEAVORS ... IN ORDER THAT THE CREATIONS OF
OUR MIND SHALL BE A BLESSING AND NOT A CURSE TO
MANKIND."**

**TODAY WE HONOR MEN AND WOMEN WHOSE LIFEWORk ANSWERS
EINSTEIN'S CHALLENGE.**

THEY BLESS MANKIND NOT ONLY WITH THE BRILLIANCE OF THEIR MINDS -- BUT WITH THE INTEGRITY OF THEIR HEARTS.

I'M PROUD TO PRESENT THE NATIONAL MEDALS OF SCIENCE AND TECHNOLOGY TO OUR 16 RECIPIENTS -- TO THESE MEN AND WOMEN OF PERSISTENT AND, AT TIMES, CLAIRVOYANT DETERMINATION. THEY HAVE EXPANDED THE FRONTIERS OF SCIENCE ON CANVASES AS INFINITESIMAL AS A SINGLE HUMAN CELL -- AND AS INFINITE AS SPACE ITSELF.

WE HONOR THEM FOR THEIR ACCOMPLISHMENTS -- BUT WE HONOR THEM ALSO FOR HAVING THE COURAGE TO UNDERTAKE THE JOURNEY. THERE'S A CHURCH IN SUSSEX, ENGLAND WHICH HAS A WONDERFUL INSCRIPTION THAT CAPTURES THESE RECIPIENTS' PIONEER SPIRIT OF INNOVATION AND INVENTION. THE INSCRIPTION SAYS: "A VISION WITHOUT A TASK IS BUT A DREAM; A TASK WITHOUT A VISION IS DRUDGERY; [BUT] A VISION WITH A TASK IS THE HOPE OF THE WORLD."

THE HOPE OF OUR WORLD LIES IN INDIVIDUALS WHO ASKED WHY -- AND THEN FOLLOWED WHEREVER THAT QUESTION LED. SCIENTISTS LIKE NOBEL PRIZE LAUREATE HOWARD TEMIN [TEH-MIN], A TRULY SEMINAL THINKER IN THE HISTORY OF BIOLOGY WHO RESHAPED OUR THOUGHTS ABOUT RNA AND DNA. ENTREPRENEURS LIKE BILL GATES, WHO CO-FOUNDED MICROSOFT AND LED A REVOLUTION IN THE INFORMATION INDUSTRY.

VISIONARIES LIKE EUGENE SHOEMAKER, WHO HELPED TO TRANSFORM OUR WORLD NOT ONLY THROUGH THE ASTOUNDING BREADTH OF HIS CONTRIBUTIONS TO SPACE EXPLORATION, BUT ALSO THROUGH THE INFECTIOUS ENTHUSIASM OF HIS IMAGINATION. AND INVENTORS LIKE NORMAN JOSEPH WOODLAND, WHO DEVELOPED A SIMPLE DEVICE OF OUR DAILY LIVES -- BAR CODING. YOU'VE SEEN FIRST-HAND HOW IMPRESSED I AM BY HOW BAR CODING WORKS. \\\

YOU ALL PROVE THAT AMERICA'S GREATEST RESOURCE IS THE GENIUS OF OUR PEOPLE. WE MUST ENCOURAGE AND SUPPORT IT -- THAT'S WHY CONGRESS MUST DOUBLE THE BUDGET OF THE NATIONAL SCIENCE FOUNDATION BY 1994; AND KEEP FUNDING ON TRACK IN 1993 FOR THE SUPER CONDUCTING SUPER COLLIDER.

AND THAT'S WHY I'M COMMITTED TO INCREASES IN R&D FUNDING -- TO LET OUR MOST TALENTED PEOPLE PUSH THE LIMITS OF THEIR IMAGINATIONS, TO UNDERSTAND THE UNIVERSE, AND TO USE THE RESULTS TO CREATE JOBS AND FUTURES FOR OTHERS.

AND TO SUPPORT RESEARCH, I'VE ALSO ESTABLISHED A NATIONAL TECHNOLOGY INITIATIVE TO BRING GOVERNMENT OFFICIALS TOGETHER WITH PRIVATE BUSINESSES TO SHARE TECHNOLOGY -- TO MOVE NEW DISCOVERIES OUT OF FEDERAL LABS AND INTO THE MARKETPLACE. \\
\\

IN ADDITION, I BELIEVE WE NEED TO STIMULATE PRIVATE SECTOR INVESTMENT -- THE ENGINE OF ANY ENTREPRENEURIAL ECONOMY. THAT'S WHY I'M FIGHTING SO HARD TO GET CONGRESS TO SLASH THE CAPITAL GAINS TAX \\
\\ -- AND MAKE THE RESEARCH AND EXPERIMENTATION TAX CREDIT PERMANENT.

THE WORLD ECONOMY OF THE 21ST CENTURY WILL DEMAND A NEW AGE OF AMERICAN COMPETITIVENESS IN A FIERCELY CHALLENGING GLOBAL MARKETPLACE. IN ORDER TO COMPETE WE MUST MAKE IMMEDIATE, DRASTIC CHANGES -- BEGINNING WITH THE NEED FOR WELL-EDUCATED WORKERS.

MANY OF YOU ARE TEACHERS, INFLUENCING ONE DREAM AT A TIME. YOU KNOW THAT EDUCATION IS THE BASIS OF OUR FUTURE. YOU KNOW THE TERRIBLE FACT THAT IN SOME MATH AND SCIENCE STUDIES WE RANK ALMOST LAST AMONG THE INDUSTRIALIZED NATIONS. REST ASSURED -- WE WILL TURN THAT AROUND.

TECHNICAL COMPETENCE IS SO VITAL THAT ONE OF OUR SIX NATIONAL EDUCATION GOALS IS TO BE FIRST IN THE WORLD IN MATH AND SCIENCE BY THE YEAR 2000. IN ORDER TO REACH THAT GOAL, MY BUDGET INVESTS \$768 MILLION IN PRECOLLEGE MATH AND SCIENCE EDUCATION -- AN INCREASE OF 18% OVER LAST YEAR, AND 123% OVER 1990. \\\

WE MUST OPEN A NEW WORLD OF EDUCATIONAL OPPORTUNITIES FOR AMERICA'S CHILDREN -- AND GIVE MIDDLE- AND LOW-INCOME FAMILIES MORE OF THE SAME CHOICE OF ALL SCHOOLS THAT WEALTHIER FAMILIES ALREADY HAVE.

SO, LATER THIS WEEK I'LL ANNOUNCE A NEW PROPOSAL THAT WILL DO JUST THAT.

IT'S A GI BILL FOR AMERICA'S CHILDREN. 48 YEARS AGO, THE ORIGINAL GI BILL OPENED EDUCATIONAL DOORS FOR OUR WAR VETS BY GIVING THEM DOLLARS TO SPEND AT ANY SCHOOL THEY CHOSE -- PUBLIC, PRIVATE OR RELIGIOUS. IT CREATED A COMPETITIVE MARKETPLACE OF COLLEGES AND UNIVERSITIES AND ENCOURAGED IMPROVEMENT THROUGH INNOVATION.

NOW IT'S TIME WE GIVE FAMILIES THE SAME CONSUMER POWER FOR CHOICE IN PRE-COLLEGE SCHOOLS -- THAT'S WHY I'M INTRODUCING THIS EXCITING AND POWERFUL BILL FOR OUR FUTURE. \\\

OUR NATION CAN REMAIN STRONG ONLY BY INVESTING ITS RESOURCES AND TALENTS IN SCIENCE, TECHNOLOGY AND EDUCATION. I WANT TO RECOGNIZE A GROUP OF SPECIAL PEOPLE WHO ARE DEDICATING THEIR LIVES TO THAT QUEST -- OUR FIRST CLASS OF PRESIDENTIAL FACULTY FELLOWS -- 30 YOUNG FACULTY MEMBERS NAMED FOR THEIR EXCELLENCE AND PROMISE IN RESEARCH AND TEACHING.

THESE SCIENTISTS AND ENGINEERS REPRESENT THE BEST INVESTMENT WE CAN MAKE IN OUR FUTURE. BUT I'D LIKE TO REMIND THEM OF SOMETHING. AS YOU LOOK AT THE MEDALISTS WE HONOR TODAY, REMEMBER THAT WHATEVER WORK YOU DO -- YOU WILL BE STANDING ON THE SHOULDERS OF GIANTS. \\\

I WANT TO TELL YOU ABOUT SOMETHING PRETTY UNUSUAL I DISCOVERED A FEW MONTHS AGO IN NEW HAMPSHIRE -- THE "MAIZE CRAZE" COMPETITION. I'M NOT SURE EXACTLY HOW TO DESCRIBE IT -- KIDS HAVE TO MAKE A ROBOT TO FETCH TENNIS BALLS OUT OF A BOX FILLED WITH CORN. \\\

WELL, SOME OF THE BEST IDEAS SOUND PRETTY STRANGE AT FIRST -- AND LET ME TELL YOU, THIS IS A TERRIFIC IDEA.

I WAS ENORMOUSLY IMPRESSED BY HOW THIS "MAIZE CRAZE" TEAMS HIGH-SCHOOL STUDENTS WITH HIGH-POWERED ENGINEERING TEAMS FROM MAJOR UNIVERSITIES AND CORPORATIONS -- A GREAT EXAMPLE OF THE PRIVATE-PUBLIC PARTNERSHIP THAT WILL LEAD US TO EXCELLENCE IN THE NEXT CENTURY.

"MAIZE CRAZE" IS PART OF US FIRST, A NATIONAL ALLIANCE OF BUSINESS, EDUCATION AND GOVERNMENT WORKING TO REVERSE DECLINING STUDENT INTEREST AND PERFORMANCE IN SCIENCE AND MATH. I INVITED DEAN KAMEN TO BRING HIS WINNERS HERE TODAY -- SPONSORS XEROX AND NYPRO, AND TEAMS FROM WILSON MAGNET AND CLINTON HIGH SCHOOLS. \\\

WE ARE HONORING TODAY A SPECTRUM OF ACHIEVERS THAT GOES FROM HIGH SCHOOL TO THE PINNACLE OF RESEARCH.

IN TURN, WE NEED TO NURTURE EVERY STEP OF THE EDUCATIONAL LADDER, FOR EACH DEPENDS ON THE SOUNDNESS OF THE PRECEDING ONE. \\\

CONGRATULATIONS TO ALL OF YOU -- ESPECIALLY OUR DISTINGUISHED MEDALISTS, WHO SHOW US THE TRIUMPH OF THE HUMAN MIND AND THE UNFOLDING DRAMA OF THE HUMAN IMAGINATION. MAY GOD BLESS YOU ALL. AND NOW, DR. BERNTHAL WILL PRESENT THE CITATIONS.

#

SCIENCE AND TECHNOLOGY MEDALS PRESENTATION \ ROSE GARDEN

TUESDAY, JUNE 23, 1992 \ 1:30 P.M.

THANK YOU, AND WELCOME TO THE ROSE GARDEN.

**SECRETARY FRANKLIN; ADMIRAL WATKINS; ADMIRAL GOLDIN;
DR. BROMLEY; DR. [FREDERICK] BERNTHAL, DEPUTY DIRECTOR
OF THE NATIONAL SCIENCE FOUNDATION; CONGRESSMAN VANDER
JAGT; AND OUR SPECIAL GUESTS -- THREE GENERATIONS OF
AMERICAN SCIENTISTS.**

- 2 -

**AS I LOOK OUT AT THE MEN AND WOMEN WE HONOR TODAY,
I'M REMINDED OF SOMETHING ALBERT EINSTEIN ONCE SAID TO
HIS FELLOW SCIENTISTS: "CONCERN FOR MAN HIMSELF AND
HIS FATE MUST ALWAYS FORM THE CHIEF INTEREST OF ALL
TECHNICAL ENDEAVORS ... IN ORDER THAT THE CREATIONS OF
OUR MIND SHALL BE A BLESSING AND NOT A CURSE TO
MANKIND."**

**TODAY WE HONOR MEN AND WOMEN WHOSE LIFEWORk ANSWERS
EINSTEIN'S CHALLENGE.**

THEY BLESS MANKIND NOT ONLY WITH THE BRILLIANCE OF THEIR MINDS -- BUT WITH THE INTEGRITY OF THEIR HEARTS.

I'M PROUD TO PRESENT THE NATIONAL MEDALS OF SCIENCE AND TECHNOLOGY TO OUR 16 RECIPIENTS -- TO THESE MEN AND WOMEN OF PERSISTENT AND, AT TIMES, CLAIRVOYANT DETERMINATION. THEY HAVE EXPANDED THE FRONTIERS OF SCIENCE ON CANVASES AS INFINITESIMAL AS A SINGLE HUMAN CELL -- AND AS INFINITE AS SPACE ITSELF.

WE HONOR THEM FOR THEIR ACCOMPLISHMENTS -- BUT WE HONOR THEM ALSO FOR HAVING THE COURAGE TO UNDERTAKE THE JOURNEY. THERE'S A CHURCH IN SUSSEX, ENGLAND WHICH HAS A WONDERFUL INSCRIPTION THAT CAPTURES THESE RECIPIENTS' PIONEER SPIRIT OF INNOVATION AND INVENTION. THE INSCRIPTION SAYS: "A VISION WITHOUT A TASK IS BUT A DREAM; A TASK WITHOUT A VISION IS DRUDGERY; [BUT] A VISION WITH A TASK IS THE HOPE OF THE WORLD."

THE HOPE OF OUR WORLD LIES IN INDIVIDUALS WHO ASKED WHY -- AND THEN FOLLOWED WHEREVER THAT QUESTION LED. SCIENTISTS LIKE NOBEL PRIZE LAUREATE HOWARD TEMIN [TEH-MIN], A TRULY SEMINAL THINKER IN THE HISTORY OF BIOLOGY WHO RESHAPED OUR THOUGHTS ABOUT RNA AND DNA. ENTREPRENEURS LIKE BILL GATES, WHO CO-FOUNDED MICROSOFT AND LED A REVOLUTION IN THE INFORMATION INDUSTRY.

VISIONARIES LIKE EUGENE SHOEMAKER, WHO HELPED TO TRANSFORM OUR WORLD NOT ONLY THROUGH THE ASTOUNDING BREADTH OF HIS CONTRIBUTIONS TO SPACE EXPLORATION, BUT ALSO THROUGH THE INFECTIOUS ENTHUSIASM OF HIS IMAGINATION. AND INVENTORS LIKE NORMAN JOSEPH WOODLAND, WHO DEVELOPED A SIMPLE DEVICE OF OUR DAILY LIVES -- BAR CODING. YOU'VE SEEN FIRST-HAND HOW IMPRESSED I AM BY HOW BAR CODING WORKS. \\\

YOU ALL PROVE THAT AMERICA'S GREATEST RESOURCE IS THE GENIUS OF OUR PEOPLE. WE MUST ENCOURAGE AND SUPPORT IT -- THAT'S WHY CONGRESS MUST DOUBLE THE BUDGET OF THE NATIONAL SCIENCE FOUNDATION BY 1994; AND KEEP FUNDING ON TRACK IN 1993 FOR THE SUPER CONDUCTING SUPER COLLIDER.

AND THAT'S WHY I'M COMMITTED TO INCREASES IN R&D FUNDING -- TO LET OUR MOST TALENTED PEOPLE PUSH THE LIMITS OF THEIR IMAGINATIONS, TO UNDERSTAND THE UNIVERSE, AND TO USE THE RESULTS TO CREATE JOBS AND FUTURES FOR OTHERS.

AND TO SUPPORT RESEARCH, I'VE ALSO ESTABLISHED A NATIONAL TECHNOLOGY INITIATIVE TO BRING GOVERNMENT OFFICIALS TOGETHER WITH PRIVATE BUSINESSES TO SHARE TECHNOLOGY -- TO MOVE NEW DISCOVERIES OUT OF FEDERAL LABS AND INTO THE MARKETPLACE. \\
\\

IN ADDITION, I BELIEVE WE NEED TO STIMULATE PRIVATE SECTOR INVESTMENT -- THE ENGINE OF ANY ENTREPRENEURIAL ECONOMY. THAT'S WHY I'M FIGHTING SO HARD TO GET CONGRESS TO SLASH THE CAPITAL GAINS TAX \\
\\ -- AND MAKE THE RESEARCH AND EXPERIMENTATION TAX CREDIT PERMANENT.

THE WORLD ECONOMY OF THE 21ST CENTURY WILL DEMAND A NEW AGE OF AMERICAN COMPETITIVENESS IN A FIERCELY CHALLENGING GLOBAL MARKETPLACE. IN ORDER TO COMPETE WE MUST MAKE IMMEDIATE, DRASTIC CHANGES -- BEGINNING WITH THE NEED FOR WELL-EDUCATED WORKERS.

MANY OF YOU ARE TEACHERS, INFLUENCING ONE DREAM AT A TIME. YOU KNOW THAT EDUCATION IS THE BASIS OF OUR FUTURE. YOU KNOW THE TERRIBLE FACT THAT IN SOME MATH AND SCIENCE STUDIES WE RANK ALMOST LAST AMONG THE INDUSTRIALIZED NATIONS. REST ASSURED -- WE WILL TURN THAT AROUND.

TECHNICAL COMPETENCE IS SO VITAL THAT ONE OF OUR SIX NATIONAL EDUCATION GOALS IS TO BE FIRST IN THE WORLD IN MATH AND SCIENCE BY THE YEAR 2000. IN ORDER TO REACH THAT GOAL, MY BUDGET INVESTS \$768 MILLION IN PRECOLLEGE MATH AND SCIENCE EDUCATION -- AN INCREASE OF 18% OVER LAST YEAR, AND 123% OVER 1990. \\\

WE MUST OPEN A NEW WORLD OF EDUCATIONAL OPPORTUNITIES FOR AMERICA'S CHILDREN -- AND GIVE MIDDLE- AND LOW-INCOME FAMILIES MORE OF THE SAME CHOICE OF ALL SCHOOLS THAT WEALTHIER FAMILIES ALREADY HAVE.

SO, LATER THIS WEEK I'LL ANNOUNCE A NEW PROPOSAL THAT WILL DO JUST THAT.

IT'S A GI BILL FOR AMERICA'S CHILDREN. 48 YEARS AGO, THE ORIGINAL GI BILL OPENED EDUCATIONAL DOORS FOR OUR WAR VETS BY GIVING THEM DOLLARS TO SPEND AT ANY SCHOOL THEY CHOSE -- PUBLIC, PRIVATE OR RELIGIOUS. IT CREATED A COMPETITIVE MARKETPLACE OF COLLEGES AND UNIVERSITIES AND ENCOURAGED IMPROVEMENT THROUGH INNOVATION.

NOW IT'S TIME WE GIVE FAMILIES THE SAME CONSUMER POWER FOR CHOICE IN PRE-COLLEGE SCHOOLS -- THAT'S WHY I'M INTRODUCING THIS EXCITING AND POWERFUL BILL FOR OUR FUTURE. \\\

OUR NATION CAN REMAIN STRONG ONLY BY INVESTING ITS RESOURCES AND TALENTS IN SCIENCE, TECHNOLOGY AND EDUCATION. I WANT TO RECOGNIZE A GROUP OF SPECIAL PEOPLE WHO ARE DEDICATING THEIR LIVES TO THAT QUEST -- OUR FIRST CLASS OF PRESIDENTIAL FACULTY FELLOWS -- 30 YOUNG FACULTY MEMBERS NAMED FOR THEIR EXCELLENCE AND PROMISE IN RESEARCH AND TEACHING.

THESE SCIENTISTS AND ENGINEERS REPRESENT THE BEST INVESTMENT WE CAN MAKE IN OUR FUTURE. BUT I'D LIKE TO REMIND THEM OF SOMETHING. AS YOU LOOK AT THE MEDALISTS WE HONOR TODAY, REMEMBER THAT WHATEVER WORK YOU DO -- YOU WILL BE STANDING ON THE SHOULDERS OF GIANTS. \\\

I WANT TO TELL YOU ABOUT SOMETHING PRETTY UNUSUAL I DISCOVERED A FEW MONTHS AGO IN NEW HAMPSHIRE -- THE "MAIZE CRAZE" COMPETITION. I'M NOT SURE EXACTLY HOW TO DESCRIBE IT -- KIDS HAVE TO MAKE A ROBOT TO FETCH TENNIS BALLS OUT OF A BOX FILLED WITH CORN. \\\

WELL, SOME OF THE BEST IDEAS SOUND PRETTY STRANGE AT FIRST -- AND LET ME TELL YOU, THIS IS A TERRIFIC IDEA.

I WAS ENORMOUSLY IMPRESSED BY HOW THIS "MAIZE CRAZE" TEAMS HIGH-SCHOOL STUDENTS WITH HIGH-POWERED ENGINEERING TEAMS FROM MAJOR UNIVERSITIES AND CORPORATIONS -- A GREAT EXAMPLE OF THE PRIVATE-PUBLIC PARTNERSHIP THAT WILL LEAD US TO EXCELLENCE IN THE NEXT CENTURY.

"MAIZE CRAZE" IS PART OF US FIRST, A NATIONAL ALLIANCE OF BUSINESS, EDUCATION AND GOVERNMENT WORKING TO REVERSE DECLINING STUDENT INTEREST AND PERFORMANCE IN SCIENCE AND MATH. I INVITED DEAN KAMEN TO BRING HIS WINNERS HERE TODAY -- SPONSORS XEROX AND NYPRO, AND TEAMS FROM WILSON MAGNET AND CLINTON HIGH SCHOOLS. \\\

WE ARE HONORING TODAY A SPECTRUM OF ACHIEVERS THAT GOES FROM HIGH SCHOOL TO THE PINNACLE OF RESEARCH.

IN TURN, WE NEED TO NURTURE EVERY STEP OF THE EDUCATIONAL LADDER, FOR EACH DEPENDS ON THE SOUNDNESS OF THE PRECEDING ONE. \\\

CONGRATULATIONS TO ALL OF YOU -- ESPECIALLY OUR DISTINGUISHED MEDALISTS, WHO SHOW US THE TRIUMPH OF THE HUMAN MIND AND THE UNFOLDING DRAMA OF THE HUMAN IMAGINATION. MAY GOD BLESS YOU ALL. AND NOW, DR. BERNTHAL WILL PRESENT THE CITATIONS.

#

WHITE HOUSE STAFFING MEMORANDUM

DATE: June 20, 1992

ACTION/CONCURRENCE/COMMENT DUE BY: ---

PRESIDENTIAL REMARKS: SCIENCE AND TECHNOLOGY MEDALS PRESENTATION
TUESDAY, JUNE 23, 1992

SUBJECT: _____

ROSE GARDEN

	ACTION	FYI		ACTION	FYI
VICE PRESIDENT	☐	☒	HORNER	☐	☐
SKINNER	☐	☒	MCBRIDE	☐	☐
SCOWCROFT	☐	☒	MOORE	☐	☒
DARMAN	☐	☒	PETERSMEYER	☐	☐
BRADY	☐	☒	PORTER	☐	☒
BROMLEY	☐	☒	SMITH	☐	☒
CALIO	☐	☒	YEUTTER	☐	☒
DEMAREST	☐	☒	FINDLAY	☐	☒
FITZWATER	☐	☒	MCGROARTY	☐	☒
GRAY	☐	☒	KAUFMAN	☐	☒
HOLIDAY	☐	☒	FIRESTONE	☐	☒
			BOSKIN		☒

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

2-JUN-19 P5:18

June 19, 1992

MEMORANDUM FOR THE PRESIDENT

THROUGH:

DAVID DEMAREST

DMcH for WID

FROM:

BETH HINCHLIFFE

On Tuesday, June 23, you will address approximately 200 people in the Rose Garden on the occasion of the presentation of the National Medals of Science and Technology.

Your remarks (7 minutes, cards) specifically honor the recipients for their contributions, and call for America's continuing commitment to science and technology. They also address the Administration's support for R&D and job creation.

(Hinchliffe/Gershowitz)
June 19, 1992 5 p.m.
MEDAL Draft Two

**PRESIDENTIAL REMARKS: SCIENCE AND TECHNOLOGY MEDALS PRESENTATION
TUESDAY, JUNE 23, 1992 1:30 P.M.
ROSE GARDEN**

[ACKNOWLEDGEMENTS] As I look out at the men and women we honor today, I'm reminded of something Albert Einstein once said to his fellow scientists: "Concern for man himself and his fate must always form the chief interest of all technical endeavors ... in order that the creations of our mind shall be a blessing and not a curse to mankind." Today we honor men and women whose lifework answers Einstein's challenge. They bless mankind not only with the brilliance of their minds -- but with the integrity of their hearts.

I'm proud to present the National Medals of Science and Technology to our 16 recipients -- to these men and women of persistent and, at times, clairvoyant determination. They have expanded the frontiers of science on canvases as infinitesimal as a single human cell -- and as infinite as space itself.

We honor them for their accomplishments -- but we honor them also for having the courage to undertake the journey. There's a church in Sussex, England which has a wonderful inscription I'd like to see serve as the epitaph for these recipients' pioneer spirit of innovation and invention. The inscription says: "A vision without a task is but a dream; a task without a vision is drudgery; [but] a vision with a task is the hope of the world."

The hope of our world lies in individuals who asked why -- and then followed wherever that question led. Scientists like

Nobel Prize laureate Howard Temin, a truly seminal thinker in the history of biology who reshaped our thoughts about RNA and DNA. Entrepreneurs like Bill Gates, co-founded Microsoft and led a revolution in the information industry. Visionaries like Eugene Shoemaker, who helped to transform our world not only through the astounding breadth of his contributions to space exploration, but also through the infectious enthusiasm of his imagination. And inventors like Norman Joseph Woodland, who developed a simple device of our daily lives -- bar coding. You've seen first-hand how impressed I am by how bar coding works.

You all prove that America's greatest resource is the genius of our people. We must encourage and support it: that's why Congress must double the budget of the National Science Foundation by 1994; and keep funding on track in 1993 for the Super Conducting Super Collider. That's why I'm committed to increases in R&D funding: to let our most talented people push the limits of their imaginations, to understand the universe, and use the results to create jobs and futures for others. I've also established a National Technology Initiative to bring government officials together with private businesses to share technology -- to move new discoveries out of federal labs and into the marketplace.

And I believe we need to stimulate private sector investment -- the engine of any entrepreneurial economy. That's why I'm fighting so hard to get Congress to slash the capital gains tax; and make the research and experimentation tax credit permanent.

The world economy of the 21st century will demand a new age

of American competitiveness in a fiercely challenging global marketplace. In order to compete we must make immediate, drastic changes: beginning with the need for well-educated workers.

Many of you are teachers, influencing one dream at a time. You know that education is the basis of our future. You know the terrible fact that in some math and science studies we rank almost last among the industrialized nations. Rest assured: we will turn that around. Technical competence is so vital that one of our six national education goals is to be first in the world in math and science by the year 2000. In order to reach that goal, my budget invests \$768 million in precollege math and science education: an increase of 18% over last year, and 123% over 1990.

Our nation can remain strong only by investing its resources and talents in science, technology and education. I want to recognize a group of special people who are dedicating their lives to that quest -- our first class of Presidential Faculty Fellows, 30 young faculty members named for their excellence and promise in research and teaching. These scientists and engineers represent the best investment we can make in our future. But I'd like to remind them of something. As you look at the Medalists we honor today, remember that whatever work you do -- you will be standing on the shoulders of giants.

A few months ago in New Hampshire I discovered something quite unusual -- the "maize craze" competition. I'm not sure exactly how to describe it -- kids have to make a robot to fetch tennis balls out of a box filled with corn. Well, some of the

best ideas sound pretty strange at first -- and let me tell you, this is a terrific idea. I was enormously impressed by how it teams high-school students with high-powered engineering teams from major universities and corporations: a great example of the private-public partnership that will lead us to excellence in the next century. "Maize craze" is part of US FIRST, a national alliance of business, education and government working to reverse declining student interest and performance in science and math. I invited Dean Kamen to bring his winners here: sponsors Xerox and NYPRO, and teams from Wilson Magnet and Clinton High Schools.

We are honoring today a spectrum of achievers that goes from high school to the pinnacle of research. In turn, we need to nurture each step of the educational ladder, for each step depends on the soundness of the preceding one. Congratulations to all of you here today -- especially our distinguished Medalists, who show us the triumph of the human mind and the unfolding drama of the human imagination. May God bless you all.

#

WHITE HOUSE STAFFING MEMORANDUM

DATE: 6/18/92 ACTION/CONCURRENCE/COMMENT DUE BY: 4:00PM, FRIDAY, JUNE 19

PRESIDENTIAL REMARKS: SCIENCE AND TECHNOLOGY MEDALS PRESENTATION
TUESDAY, JUNE 23, 1992

SUBJECT: ROSE GARDEN

	ACTION	FYI		ACTION	FYI
VICE PRESIDENT	☐	☒	HORNER	☐	☐
SKINNER	☐	☒	MCBRIDE	☐	☐
SCOWCROFT	☒	☐	MOORE	☐	☒
DARMAN	☒	☐	PETERSMEYER	☐	☐
BRADY	☐	☒	PORTER	☒	☐
BROMLEY	☒	☐	SMITH	☒	☐
CALIO N/C	☒	☐	YEUTTER	☐	☒
X DEMAREST	☒	☐	FINDLAY	☐	☒
FITZWATER	☐	☒	KAUFMAN	☐	☒
GRAY	☒	☐	FIRESTONE	☐	☒
HOLIDAY	☒	☐	MCGROARTY	☐	☒
			BOSKIN N/C	☒	☒

REMARKS:

Please provide comments on the attached directly to Dan McGroarty, Rm. 122, x2930, with a copy to this office NO LATER THAN 4:00PM, FRIDAY, JUNE 19.
Thank you.

RESPONSE:

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

2 JUN 18 P2:53

(Hinchliffe/Gershowitz)
June 17, 1992 2 p.m.
MEDAL Draft One

**PRESIDENTIAL REMARKS: SCIENCE AND TECHNOLOGY MEDALS PRESENTATION
TUESDAY, JUNE 23, 1992 1:30 P.M.
ROSE GARDEN**

[ACKNOWLEDGEMENTS] As I look out at the men and women we honor today, I'm reminded of something Albert Einstein once said to his fellow scientists: "Concern for man himself and his fate must always form the chief interest of all technical endeavors ... in order that the creations of our mind shall be a blessing and not a curse to mankind." Today we honor men and women whose lifework answers Einstein's challenge. They bless mankind not only with the brilliance of their minds -- but with the integrity of their hearts.

I'm proud to present the National Medals of Science and Technology to our 16 recipients -- to these men and women of persistent and, at times, clairvoyant determination. They have expanded the frontiers of science on canvases as infinitesimal as a single human cell -- and as infinite as space itself. We honor them for reaching their goals, but we honor them also for having the courage to undertake the journey. There's a church in Sussex, England which has a wonderful inscription that I'd like to see serve as the epitaph for these recipients' pioneer spirit of innovation and invention. The inscription says: "A vision without a task is but a dream; a task without a vision is drudgery; [but] a vision with a task is the hope of the world."

The hope of our world lies in individuals who asked why -- and then followed wherever that question led. Scientists like

Nobel Prize laureate Howard Temin, a truly seminal thinker in the history of biology who reshaped our thoughts about RNA and DNA. Entrepreneurs like Bill Gates, who co-founded Microsoft and led the revolution of the information industry. Visionaries like Eugene Shoemaker, who helped to transform our world not only through the astounding breadth of his contributions to space exploration, but also through the infectious enthusiasm of his imagination. And inventors like Norman Joseph Woodland, who developed a simple device of our daily lives: bar coding. You've seen first-hand how impressed I am by how bar coding works.

You all prove that America's greatest resource is the genius of our people. We must encourage and support it -- that's why we need Congress to double the budget of the National Science Foundation by 1994. And that's why I'm committed to increases in R&D funding: to let our most talented people push the limits of their imaginations, and use the results to create jobs and futures for others. I've also established a National Technology Initiative to bring government officials together with private businesses to let them know what can be offered in technology: to move new discoveries out of federal labs and into the marketplace.

And I believe we need to stimulate private sector investment -- the engine of any entrepreneurial economy. That's why I'm fighting so hard to get Congress to slash the capital gains tax; to get rid of the passive loss rules for venture capital; to make the research and experimentation tax credit permanent.

The world economy of the 21st century will demand a new age

of American competitiveness in a fiercely challenging global marketplace. In order to compete we must make immediate, drastic changes: beginning with the need for well-educated workers. Many of you are still teachers, still influencing one dream at a time. You all know that education is the basis of our future. You know the terrible fact that in some math and science studies we rank almost last among the industrialized nations. Rest assured: we will turn that around. Technical competence is so vital that one of our six national education goals is to be first in the world in math and science by the year 2000. In order to reach that goal, my budget invests \$768 million in precollege math and science education -- an increase of 18% over last year.

Our nation can remain strong only by investing its resources and talents in science, technology and education. I want to recognize a group of special people who are dedicating their lives to that quest -- our first class of Presidential Faculty Fellows, 30 young faculty members named for their excellence and promise in research and teaching. These 30 scientists and engineers represent the best investment we can make in our future. As you look at the Medalists we honor today, remember that whatever work you do -- you will be standing on the shoulders of giants.

A few months ago in New Hampshire I discovered something unusual: the "maize craze" competition. I'm not sure quite how to describe it -- kids have to make a robot to fetch tennis balls out of a box filled with corn. Well, some of the best ideas sound pretty strange at first -- and let me tell you, this is a

terrific idea. I was enormously impressed by how it teams high-schoolers with high-powered engineering teams from major corporations: a fantastic example of the private-public partnership that will lead us to excellence in the next century. It's part of US FIRST, a national alliance of business, education and government working to reverse declining student interest and performance in science and math. Well, I invited Dean Kamen to bring his winners here -- sponsors Xerox and NYPRO, and teams from Wilson Magnet and Clinton High Schools. Welcome.

Congratulations to all of you here -- especially to our distinguished Medalists, who show us the triumph of the human mind and the unfolding drama of the human imagination. May God bless you all.

#

WHITE HOUSE STAFFING MEMORANDUM

DATE: 6/18/92 ACTION/CONCURRENCE/COMMENT DUE BY: 4:00PM, FRIDAY, JUNE 19

PRESIDENTIAL REMARKS: SCIENCE AND TECHNOLOGY MEDALS PRESENTATION
TUESDAY, JUNE 23, 1992

SUBJECT: ROSE GARDEN

	ACTION	FYI		ACTION	FYI
VICE PRESIDENT	☐	☒	HORNER	☐	☐
SKINNER	☐	☒	MCBRIDE	☐	☐
SCOWCROFT	☒	☐	MOORE	☐	☒
DARMAN →	☒	☐	PETERSMEYER	☐	☐
BRADY	☐	☒	PORTER	☒	☐
BROMLEY	☒	☐	SMITH	☒	☐
CALIO	☒	☐	YEUTTER	☐	☒
DEMAREST	☒	☐	FINDLAY	☐	☒
FITZWATER	☐	☒	KAUFMAN	☐	☒
GRAY	☒	☐	FIRESTONE	☐	☒
HOLIDAY	☒	☐	MCGROARTY	☐	☒
			BOSKIN	☒	☐

REMARKS:

Please provide comments on the attached directly to Dan McGroarty, Rm. 122, x2930, with a copy to this office NO LATER THAN 4:00PM, FRIDAY, JUNE 19.
Thank you.

RESPONSE:

No comments
- R. Brady may respond at a later time

02 : 11A 22 JUN 92

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

2 JUN 18 P2:53

(Hinchliffe/Gershowitz)
June 17, 1992 2 p.m.
MEDAL Draft One

**PRESIDENTIAL REMARKS: SCIENCE AND TECHNOLOGY MEDALS PRESENTATION
TUESDAY, JUNE 23, 1992 1:30 P.M.
ROSE GARDEN**

[ACKNOWLEDGEMENTS] As I look out at the men and women we honor today, I'm reminded of something Albert Einstein once said to his fellow scientists: "Concern for man himself and his fate must always form the chief interest of all technical endeavors ... in order that the creations of our mind shall be a blessing and not a curse to mankind." Today we honor men and women whose lifework answers Einstein's challenge. They bless mankind not only with the brilliance of their minds -- but with the integrity of their hearts. —

I'm proud to present the National Medals of Science and Technology to our 16 recipients -- to these men and women of persistent and, at times, clairvoyant determination. They have expanded the frontiers of science on canvases as infinitesimal as a single human cell -- and as infinite as space itself. We honor them for reaching their goals, but we honor them also for having the courage to undertake the journey. There's a church in Sussex, England which has a wonderful inscription that I'd like to see serve as the epitaph for these recipients' pioneer spirit of innovation and invention. The inscription says: "A vision without a task is but a dream; a task without a vision is drudgery; [but] a vision with a task is the hope of the world."

The hope of our world lies in individuals who asked why -- and then followed wherever that question led. Scientists like

Nobel Prize laureate Howard Temin, a truly seminal thinker in the history of biology who reshaped our thoughts about RNA and DNA. Entrepreneurs like Bill Gates, who co-founded Microsoft and led the revolution of the information industry. Visionaries like Eugene Shoemaker, who helped to transform our world not only through the astounding breadth of his contributions to space exploration, but also through the infectious enthusiasm of his imagination. And inventors like Norman Joseph Woodland, who developed a simple device of our daily lives: bar coding. You've seen first-hand how impressed I am by how bar coding works.

You all prove that America's greatest resource is the genius of our people. We must encourage and support it -- that's why we need Congress to double the budget of the National Science Foundation by 1994. And that's why I'm committed to increases in R&D funding: to let our most talented people push the limits of their imaginations, and use the results to create jobs and futures for others. I've also established a National Technology Initiative to bring government officials together with private businesses to let them know what can be offered in technology: to move new discoveries out of federal labs and into the marketplace.

And I believe we need to stimulate private sector investment -- the engine of any entrepreneurial economy. That's why I'm fighting so hard to get Congress to slash the capital gains tax; to get rid of the passive loss rules for venture capital; to make the research and experimentation tax credit permanent.

The world economy of the 21st ^C century will demand a new age

of American competitiveness in a fiercely challenging global marketplace. In order to compete we must make immediate, drastic changes: beginning with the need for well-educated workers. Many of you are still teachers, still influencing one dream at a time. You all know that education is the basis of our future. You know the terrible fact that in some math and science studies we rank almost last among the industrialized nations. Rest assured: we will turn that around. Technical competence is so vital that one of our six national education goals is to be first in the world in math and science by the year 2000. In order to reach that goal, my budget invests \$768 million in precollege math and science education -- an increase of 18% over last year.

Our nation can remain strong only by investing its resources and talents in science, technology and education. I want to recognize a group of special people who are dedicating their lives to that quest -- our first class of Presidential Faculty Fellows, 30 young faculty members named for their excellence and promise in research and teaching. These 30 scientists and engineers represent the best investment we can make in our future. As you look at the Medalists we honor today, remember that whatever work you do -- you will be standing on the shoulders of giants.

A few months ago in New Hampshire I discovered something unusual: the "maize craze" competition. I'm not sure quite how to describe it -- kids have to make a robot to fetch tennis balls out of a box filled with corn. Well, some of the best ideas sound pretty strange at first -- and let me tell you, this is a

terrific idea. I was enormously impressed by how it teams high-schoolers with high-powered engineering teams from major corporations: a fantastic example of the private-public partnership that will lead us to excellence in the next century. It's part of US FIRST, a national alliance of business, education and government working to reverse declining student interest and performance in science and math. Well, I invited Dean Kamen to bring his winners here -- sponsors Xerox and NYPRO, and teams from Wilson Magnet and Clinton High Schools. Welcome.

Congratulations to all of you here -- especially to our distinguished Medalists, who show us the triumph of the human mind and the unfolding drama of the human imagination. May God bless you all.

#

4812

WHITE HOUSE STAFFING MEMORANDUM

DATE: 6/18/92 92 JUN 22 A9:50 ACTION/CONCURRENCE/COMMENT DUE BY: 4:00PM, FRIDAY, JUNE 19

PRESIDENTIAL REMARKS: SCIENCE AND TECHNOLOGY MEDALS PRESENTATION
TUESDAY, JUNE 23, 1992

SUBJECT: ROSE GARDEN

	ACTION	FYI		ACTION	FYI
VICE PRESIDENT	☐	☒	HORNER	☐	☐
SKINNER	☐	☒	MCBRIDE	☐	☐
SCOWCROFT	☒	☐	MOORE	☐	☒
DARMAN	☒	☐	PETERSMEYER	☐	☐
BRADY	☐	☒	PORTER	☒	☐
BROMLEY	☒	☐	SMITH	☒	☐
CALIO	☒	☐	YEUTTER	☐	☒
DEMAREST	☒	☐	FINDLAY	☐	☒
FITZWATER	☐	☒	KAUFMAN	☐	☒
GRAY	☒	☐	FIRESTONE	☐	☒
HOLIDAY	☒	☐	MCGROARTY	☐	☒
			BOSKIN	☒	☐

REMARKS:

Please provide comments on the attached directly to Dan McGroarty, Rm. 122, x2930, with a copy to this office NO LATER THAN 4:00PM, FRIDAY, JUNE 19.
Thank you.

RESPONSE:

TO: DAN MCGROARTY

June 22, 1992

NSC concurs with the attached.

cc: Phillip Brady

Brent Scowcroft

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

2 JUN 18 P2:53

(Hinchliffe/Gershowitz)
June 17, 1992 2 p.m.
MEDAL Draft One

**PRESIDENTIAL REMARKS: SCIENCE AND TECHNOLOGY MEDALS PRESENTATION
TUESDAY, JUNE 23, 1992 1:30 P.M.
ROSE GARDEN**

[ACKNOWLEDGEMENTS] As I look out at the men and women we honor today, I'm reminded of something Albert Einstein once said to his fellow scientists: "Concern for man himself and his fate must always form the chief interest of all technical endeavors ... in order that the creations of our mind shall be a blessing and not a curse to mankind." Today we honor men and women whose lifework answers Einstein's challenge. They bless mankind not only with the brilliance of their minds -- but with the integrity of their hearts. —

I'm proud to present the National Medals of Science and Technology to our 16 recipients -- to these men and women of persistent and, at times, clairvoyant determination. They have expanded the frontiers of science on canvases as infinitesimal as a single human cell -- and as infinite as space itself. We honor them for reaching their goals, but we honor them also for having the courage to undertake the journey. There's a church in Sussex, England which has a wonderful inscription that I'd like to see serve as the epitaph for these recipients' pioneer spirit of innovation and invention. The inscription says: "A vision without a task is but a dream; a task without a vision is drudgery; [but] a vision with a task is the hope of the world."

The hope of our world lies in individuals who asked why -- and then followed wherever that question led. Scientists like

Nobel Prize laureate Howard Temin, a truly seminal thinker in the history of biology who reshaped our thoughts about RNA and DNA. Entrepreneurs like Bill Gates, who co-founded Microsoft and led the revolution of the information industry. Visionaries like Eugene Shoemaker, who helped to transform our world not only through the astounding breadth of his contributions to space exploration, but also through the infectious enthusiasm of his imagination. And inventors like Norman Joseph Woodland, who developed a simple device of our daily lives: bar coding. You've seen first-hand how impressed I am by how bar coding works.

You all prove that America's greatest resource is the genius of our people. We must encourage and support it -- that's why we need Congress to double the budget of the National Science Foundation by 1994. And that's why I'm committed to increases in R&D funding: to let our most talented people push the limits of their imaginations, and use the results to create jobs and futures for others. I've also established a National Technology Initiative to bring government officials together with private businesses to let them know what can be offered in technology: to move new discoveries out of federal labs and into the marketplace.

And I believe we need to stimulate private sector investment -- the engine of any entrepreneurial economy. That's why I'm fighting so hard to get Congress to slash the capital gains tax; to get rid of the passive loss rules for venture capital; to make the research and experimentation tax credit permanent.

The world economy of the 21st century will demand a new age

of American competitiveness in a fiercely challenging global marketplace. In order to compete we must make immediate, drastic changes: beginning with the need for well-educated workers. Many of you are still teachers, still influencing one dream at a time. You all know that education is the basis of our future. You know the terrible fact that in some math and science studies we rank almost last among the industrialized nations. Rest assured: we will turn that around. Technical competence is so vital that one of our six national education goals is to be first in the world in math and science by the year 2000. In order to reach that goal, my budget invests \$768 million in precollege math and science education -- an increase of 18% over last year.

Our nation can remain strong only by investing its resources and talents in science, technology and education. I want to recognize a group of special people who are dedicating their lives to that quest -- our first class of Presidential Faculty Fellows, 30 young faculty members named for their excellence and promise in research and teaching. These 30 scientists and engineers represent the best investment we can make in our future. As you look at the Medalists we honor today, remember that whatever work you do -- you will be standing on the shoulders of giants.

A few months ago in New Hampshire I discovered something unusual: the "maize craze" competition. I'm not sure quite how to describe it -- kids have to make a robot to fetch tennis balls out of a box filled with corn. Well, some of the best ideas sound pretty strange at first -- and let me tell you, this is a

terrific idea. I was enormously impressed by how it teams high-schoolers with high-powered engineering teams from major corporations: a fantastic example of the private-public partnership that will lead us to excellence in the next century. It's part of US FIRST, a national alliance of business, education and government working to reverse declining student interest and performance in science and math. Well, I invited Dean Kamen to bring his winners here -- sponsors Xerox and NYPRO, and teams from Wilson Magnet and Clinton High Schools. Welcome.

Congratulations to all of you here -- especially to our distinguished Medalists, who show us the triumph of the human mind and the unfolding drama of the human imagination. May God bless you all.

#

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

92 JUN 19 P2:13

June 19, 1992

MEMORANDUM TO DAN McGROARTY

FROM: TOM RATCHFORD FOR D. ALLAN BROMLEY

Please note the proposed changes, annotated by asterisks, for the Presidential remarks on: Science and Technology Medals Presentation.

- * , and to keep funding on track in 1993 for the Super Conducting Super Collider.
- ** to understand the nature of the universe
- *** , and 123% over FY 1990.
- **** We are honoring today a spectrum of achievers that goes from high school to the pinnacle of research. In turn we need to nurture each step of the educational ladder, from kindergarten to post doctoral research. Each step depends on the soundness of the preceding one.

You can reach me at x2894 with questions.

WHITE HOUSE STAFFING MEMORANDUM

DATE: 6/18/92

ACTION/CONCURRENCE/COMMENT DUE BY: 4:00PM, FRIDAY, JUNE 19

PRESIDENTIAL REMARKS: SCIENCE AND TECHNOLOGY MEDALS PRESENTATION
TUESDAY, JUNE 23, 1992

SUBJECT: ROSE GARDEN

	ACTION	FYI		ACTION	FYI
VICE PRESIDENT	☐	☒	HORNER	☐	☐
SKINNER	☐	☒	MCBRIDE	☐	☐
SCOWCROFT	☒	☐	MOORE	☐	☒
DARMAN	☒	☐	PETERSMEYER	☐	☐
BRADY	☐	☒	PORTER	☒	☐
BROMLEY	☒	☐	SMITH	☒	☐
CALIO	☒	☐	YEUTTER	☐	☒
DEMAREST	☒	☐	FINDLAY	☐	☒
FITZWATER	☐	☒	KAUFMAN	☐	☒
GRAY	☒	☐	FIRESTONE	☐	☒
HOLIDAY	☒	☐	MCGROARTY	☐	☒
			BOSKIN	☒	☒

REMARKS:

Please provide comments on the attached directly to
Dan McGroarty, Rm. 122, x2930, with a copy to this
office NO LATER THAN 4:00PM, FRIDAY, JUNE 19.
Thank you.

RESPONSE:

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

2 JUN 18 P2:53

(Hinchliffe/Gershowitz)
June 17, 1992 2 p.m.
MEDAL Draft One

**PRESIDENTIAL REMARKS: SCIENCE AND TECHNOLOGY MEDALS PRESENTATION
TUESDAY, JUNE 23, 1992 1:30 P.M.
ROSE GARDEN**

[ACKNOWLEDGEMENTS] As I look out at the men and women we honor today, I'm reminded of something Albert Einstein once said to his fellow scientists: "Concern for man himself and his fate must always form the chief interest of all technical endeavors ... in order that the creations of our mind shall be a blessing and not a curse to mankind." Today we honor men and women whose lifework answers Einstein's challenge. They bless mankind not only with the brilliance of their minds -- but with the integrity of their hearts. —

I'm proud to present the National Medals of Science and Technology to our 16 recipients -- to these men and women of persistent and, at times, clairvoyant determination. They have expanded the frontiers of science on canvases as infinitesimal as a single human cell -- and as infinite as space itself. We honor them for reaching their goals, but we honor them also for having the courage to undertake the journey. There's a church in Sussex, England which has a wonderful inscription that I'd like to see serve as the epitaph for these recipients' pioneer spirit of innovation and invention. The inscription says: "A vision without a task is but a dream; a task without a vision is drudgery; [but] a vision with a task is the hope of the world."

The hope of our world lies in individuals who asked why -- and then followed wherever that question led. Scientists like

Nobel Prize laureate Howard Temin, a truly seminal thinker in the history of biology who reshaped our thoughts about RNA and DNA. Entrepreneurs like Bill Gates, who co-founded Microsoft and led the revolution of the information industry. Visionaries like Eugene Shoemaker, who helped to transform our world not only through the astounding breadth of his contributions to space exploration, but also through the infectious enthusiasm of his imagination. And inventors like Norman Joseph Woodland, who developed a simple device of our daily lives: bar coding. You've seen first-hand how impressed I am by how bar coding works.

You all prove that America's greatest resource is the genius of our people. We must encourage and support it -- that's why we need Congress to double the budget of the National Science Foundation by 1994. ~~And~~ ~~that's~~ ~~why~~ ~~I'm~~ ~~committed~~ ~~to~~ ~~increases~~ ~~in~~ ~~R&D~~ ~~funding~~ ~~to~~ ~~let~~ ~~our~~ ~~most~~ ~~talented~~ ~~people~~ ~~push~~ ~~the~~ ~~limits~~ ~~of~~ ~~their~~ ~~imaginations~~, ~~and~~ ~~use~~ ~~the~~ ~~results~~ to create jobs and futures for others. I've also established a National Technology Initiative to bring government officials together with private businesses to let them know what can be offered in technology: to move new discoveries out of federal labs and into the marketplace.

And I believe we need to stimulate private sector investment -- the engine of any entrepreneurial economy. That's why I'm fighting so hard to get Congress to slash the capital gains tax; to get rid of the passive loss rules for venture capital; to make the research and experimentation tax credit permanent.

The world economy of the 21st century will demand a new age

of American competitiveness in a fiercely challenging global marketplace. In order to compete we must make immediate, drastic changes: beginning with the need for well-educated workers. Many of you are still teachers, still influencing one dream at a time. You all know that education is the basis of our future. You know the terrible fact that in some math and science studies we rank almost last among the industrialized nations. Rest assured: we will turn that around. Technical competence is so vital that one of our six national education goals is to be first in the world in math and science by the year 2000. In order to reach that goal, my budget invests \$768 million in precollege math and science education -- an increase of 18% over last year,***

Our nation can remain strong only by investing its resources and talents in science, technology and education. I want to recognize a group of special people who are dedicating their lives to that quest -- our first class of Presidential Faculty Fellows, 30 young faculty members named for their excellence and promise in research and teaching. These 30 scientists and engineers represent the best investment we can make in our future. As you look at the Medalists we honor today, remember that whatever work you do -- you will be standing on the shoulders of giants.

A few months ago in New Hampshire I discovered something unusual: the "maize craze" competition. I'm not sure quite how to describe it -- kids have to make a robot to fetch tennis balls out of a box filled with corn. Well, some of the best ideas sound pretty strange at first -- and let me tell you, this is a

terrific idea. I was enormously impressed by how it teams high-schoolers with high-powered engineering teams from major corporations: a fantastic example of the private-public partnership that will lead us to excellence in the next century. It's part of US FIRST, a national alliance of business, education and government working to reverse declining student interest and performance in science and math. Well, I invited Dean Kamen to bring his winners here -- sponsors Xerox and NYPRO, and teams from Wilson Magnet and Clinton High Schools. Welcome.

*** Congratulations to all of you here -- especially to our distinguished Medalists, who show us the triumph of the human mind and the unfolding drama of the human imagination. May God bless you all.

#

THE WHITE HOUSE

WASHINGTON

June 19, 1992

92 JUN 19 P3:42

MEMORANDUM FOR DAN MCGROARTY

FROM: ROGER B. PORTER *JH for*
SUBJECT: Presidential Remarks: Science and Technology
Medals Presentation

We have reviewed the attached remarks and have noted a few suggested changes on the draft.

Please let us know if you have any questions or if we may help in any other way.

cc: Phillip D. Brady

2 JUN 18 P2:53

(Hinchliffe/Gershowitz)
June 17, 1992 2 p.m.
MEDAL Draft One

**PRESIDENTIAL REMARKS: SCIENCE AND TECHNOLOGY MEDALS PRESENTATION
TUESDAY, JUNE 23, 1992 1:30 P.M.
ROSE GARDEN**

[ACKNOWLEDGEMENTS] As I look out at the men and women we honor today, I'm reminded of something Albert Einstein once said to his fellow scientists: "Concern for man himself and his fate must always form the chief interest of all technical endeavors ... in order that the creations of our mind shall be a blessing and not a curse to mankind." Today we honor men and women whose lifework answers Einstein's challenge. They bless mankind not only with the brilliance of their minds -- but with the integrity of their hearts.

I'm proud to present the National Medals of Science and Technology to our 16 recipients -- to these men and women of persistent and, at times, clairvoyant determination. They have expanded the frontiers of science on canvases as infinitesimal as a single human cell -- and as infinite as space itself. We honor them for ^{THEIR ACCOMPLISHMENTS} ~~reaching their goals~~ ^{AND} ~~but~~ we honor them also for having the courage to undertake the journey. There's a church in Sussex, England which has a wonderful inscription that I'd like to see serve as the epitaph for these recipients' pioneer spirit of innovation and invention. The inscription says: "A vision without a task is but a dream; a task without a vision is drudgery; [but] a vision with a task is the hope of the world." ✓

The hope of our world lies in individuals who asked why -- and then followed wherever that question led. Scientists like

Nobel Prize laureate Howard Temin, a truly seminal thinker in the ^{FIELD} history of biology ^{STET} who reshaped our thoughts about RNA and DNA.

Entrepreneurs like Bill Gates, who co-founded Microsoft and led ^A the ^{IN} revolution of the information industry. Visionaries like Eugene Shoemaker, who helped to transform our world not only through the astounding breadth of his contributions to space exploration, but also through the infectious enthusiasm of his imagination. And inventors like Norman Joseph Woodland, who developed a simple device of our daily lives: bar coding. You've seen first-hand how impressed I am by how bar coding works.

You all prove that America's greatest resource is the genius of our people. ^{I BELIEVE IT IS A PROPER, EVEN NECESSARY, ROLE FOR GOVERNMENT TO SUPPORT} ~~We must encourage and support it~~ -- that's why we need Congress to double the budget of the National Science Foundation by 1994. And that's why I'm committed to increases in R&D funding: to ^{ENABLE} ~~let~~ our most talented people ^{TO} ~~push~~ the limits of their imaginations, and use the results ^{OPPORTUNITIES} to create jobs and futures for others. I've also established a National Technology Initiative to bring government officials together with private businesses to ^{? SHARE ?} [let them know what can be offered in] technology: to move new discoveries out of federal labs and into the marketplace.

~~And I~~ believe we need to stimulate private sector investment -- the engine of any entrepreneurial economy. That's why I'm fighting so hard to get Congress to ^{REDUCE} ~~slash~~ the capital gains tax; to get rid of the passive loss rules for venture capital; to make the research and experimentation tax credit permanent.

The world economy of the 21st century will demand a new age

PRODUCTIVE INVESTMENTS THAT FOSTER SCIENTIFIC ACHIEVEMENTS

of American competitiveness in a fiercely challenging global marketplace. ^{WORK TO STRENGTHEN SOME ELEMENTS} ~~In order~~ to compete, we must ~~make immediate, drastic~~ ^{OF OUR NATION'S ECONOMY,} changes: beginning with the need for well-educated workers. Many of you are ~~still~~ th teachers, ~~still~~ ^g influencing one dream at a time. You all know that education is the basis of our future. You know the terrible fact that in some math and science studies we rank almost last among the industrialized nations. Rest assured: we will turn that around. Technical competence is so vital that one of our six national education goals is to be first in the world in math and science by the year 2000. In order to reach that goal, my budget invests \$768 million in precollege math and science education -- an ~~increase of 18%~~ ^g over last year.

Our nation can remain strong only by investing its resources and talents in science, technology and education. I want to recognize a group of special people who are dedicating their lives to that quest -- our first class of Presidential Faculty Fellows, 30 ~~young~~ [?] faculty members named for their excellence and promise in research and teaching. These 30 scientists and engineers represent the best investment we can make in our future. As you look at the Medalists we honor today, remember that whatever work you do -- you will be standing on the shoulders of giants.

A few months ago in New Hampshire I discovered something unusual: the "maize craze" competition. I'm not sure quite how to describe it -- kids have to make a robot to fetch tennis balls out of a box filled with corn. Well, some of the best ideas sound pretty strange at first -- and let me tell you, this is a

terrific idea. I was enormously impressed by how it teams high-
^{STUDENTS}~~schoolers~~ with high-powered engineering teams from major corpora-
tions: a fantastic example of the private-public partnership that
will lead us to excellence in the next century. It's part of US
FIRST, a national alliance of business, education and government
working to reverse declining student interest and performance in
science and math. Well, I invited Dean Kamen to bring his
winners here -- sponsors Xerox and NYPRO, and teams from Wilson
Magnet and Clinton High Schools. Welcome.

Congratulations to all of you here -- especially to our
distinguished Medalists, who show us the triumph of the human
mind and the unfolding drama of the human imagination. May God
bless you all.

#

WHITE HOUSE STAFFING MEMORANDUM

JmH

DATE: 6/18/92 ACTION/CONCURRENCE/COMMENT DUE BY: 4:00PM, FRIDAY, JUNE 19

PRESIDENTIAL REMARKS: SCIENCE AND TECHNOLOGY MEDALS PRESENTATION
TUESDAY, JUNE 23, 1992

SUBJECT: ROSE GARDEN

	ACTION	FYI		ACTION	FYI
VICE PRESIDENT	☐	☒	HORNER	☐	☐
SKINNER	☐	☒	MCBRIDE	☐	☐
SCOWCROFT	☒	☐	MOORE	☐	☒
DARMAN	☒	☐	PETERSMEYER	☐	☐
BRADY	☐	☒	PORTER	☒	☐
BROMLEY	☒	☐	SMITH	☒	☐
CALIO	☒	☐	YEUTTER	☐	☒
DEMAREST	☒	☐	FINDLAY	☐	☒
FITZWATER	☐	☒	KAUFMAN	☐	☒
GRAY	☒	☐	FIRESTONE	☐	☒
HOLIDAY	☒	☐	MCGROARTY	☐	☒
			BOSKIN	☒	☐

REMARKS:

Please provide comments on the attached directly to Dan McGroarty, Rm. 122, x2930, with a copy to this office NO LATER THAN 4:00PM, FRIDAY, JUNE 19.
Thank you.

RESPONSE:

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

WHITE HOUSE STAFFING MEMORANDUM

DATE: 6/18/92 **92 JUN 19 P2:54** ACTION/CONCURRENCE/COMMENT DUE BY: 4:00PM, FRIDAY, JUNE 19

PRESIDENTIAL REMARKS: SCIENCE AND TECHNOLOGY MEDALS PRESENTATION
TUESDAY, JUNE 23, 1992

SUBJECT: ROSE GARDEN

	ACTION	FYI		ACTION	FYI
VICE PRESIDENT	☐	☒	HORNER	☐	☐
SKINNER	☐	☒	MCBRIDE	☐	☐
SCOWCROFT	☒	☐	MOORE	☐	☒
DARMAN	☒	☐	PETERSMEYER	☐	☐
BRADY	☐	☒	PORTER	☒	☐
BROMLEY	☒	☐	SMITH	☒	☐
CALIO	☒	☐	YEUTTER	☐	☒
DEMAREST	☒	☐	FINDLAY	☐	☒
FITZWATER	☐	☒	KAUFMAN	☐	☒
GRAY	☒	☐	FIRESTONE	☐	☒
HOLIDAY	☒	☐	MCGROARTY	☐	☒
			BOSKIN	☒	☐

REMARKS:

Please provide comments on the attached directly to Dan McGroarty, Rm. 122, x2930, with a copy to this office NO LATER THAN 4:00PM, FRIDAY, JUNE 19.
Thank you.

RESPONSE:

See Education insert attached. Thanks.
PK
Paul Dorfanta
06/19

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

2 JUN 18 P2:53

(Hinchliffe/Gershowitz)
June 17, 1992 2 p.m.
MEDAL Draft One

**PRESIDENTIAL REMARKS: SCIENCE AND TECHNOLOGY MEDALS PRESENTATION
TUESDAY, JUNE 23, 1992 1:30 P.M.
ROSE GARDEN**

[ACKNOWLEDGEMENTS] As I look out at the men and women we honor today, I'm reminded of something Albert Einstein once said to his fellow scientists: "Concern for man himself and his fate must always form the chief interest of all technical endeavors ... in order that the creations of our mind shall be a blessing and not a curse to mankind." Today we honor men and women whose lifework answers Einstein's challenge. They bless mankind not only with the brilliance of their minds -- but with the integrity of their hearts.

I'm proud to present the National Medals of Science and Technology to our 16 recipients -- to these men and women of persistent and, at times, clairvoyant determination. They have expanded the frontiers of science on canvases as infinitesimal as a single human cell -- and as infinite as space itself. We honor them for reaching their goals, but we honor them also for having the courage to undertake the journey. There's a church in Sussex, England which has a wonderful inscription that I'd like to see serve as the epitaph for these recipients' pioneer spirit of innovation and invention. The inscription says: "A vision without a task is but a dream; a task without a vision is drudgery; [but] a vision with a task is the hope of the world."

The hope of our world lies in individuals who asked why -- and then followed wherever that question led. Scientists like

Nobel Prize laureate Howard Temin, a truly seminal thinker in the history of biology who reshaped our thoughts about RNA and DNA. Entrepreneurs like Bill Gates, who co-founded Microsoft and led the revolution of the information industry. Visionaries like Eugene Shoemaker, who helped to transform our world not only through the astounding breadth of his contributions to space exploration, but also through the infectious enthusiasm of his imagination. And inventors like Norman Joseph Woodland, who developed a simple device of our daily lives: bar coding. You've seen first-hand how impressed I am by how bar coding works.

You all prove that America's greatest resource is the genius of our people. We must encourage and support it -- that's why we need Congress to double the budget of the National Science Foundation by 1994. And that's why I'm committed to increases in R&D funding: to let our most talented people push the limits of their imaginations, and use the results to create jobs and futures for others. I've also established a National Technology Initiative to bring government officials together with private businesses to let them know what can be offered in technology: to move new discoveries out of federal labs and into the marketplace.

And I believe we need to stimulate private sector investment -- the engine of any entrepreneurial economy. That's why I'm fighting so hard to get Congress to slash the capital gains tax; to get rid of the passive loss rules for venture capital; to make the research and experimentation tax credit permanent.

The world economy of the 21st century will demand a new age

of American competitiveness in a fiercely challenging global marketplace. In order to compete we must make immediate, drastic changes: beginning with the need for well-educated workers. Many of you are still teachers, still influencing one dream at a time. You all know that education is the basis of our future. You know the terrible fact that in some math and science studies we rank almost last among the industrialized nations. Rest assured: we will turn that around. Technical competence is so vital that one of our six national education goals is to be first in the world in math and science by the year 2000. In order to reach that goal, my budget invests \$768 million in precollege math and science education -- an increase of 18% over last year.

Our nation can remain strong only by investing its resources and talents in science, technology and education. I want to recognize a group of special people who are dedicating their lives to that quest -- our first class of Presidential Faculty Fellows, 30 young faculty members named for their excellence and promise in research and teaching. These 30 scientists and engineers represent the best investment we can make in our future. As you look at the Medalists we honor today, remember that whatever work you do -- you will be standing on the shoulders of giants.

A few months ago in New Hampshire I discovered something unusual: the "maize craze" competition. I'm not sure quite how to describe it -- kids have to make a robot to fetch tennis balls out of a box filled with corn. Well, some of the best ideas sound pretty strange at first -- and let me tell you, this is a

See
Education
insert

terrific idea. I was enormously impressed by how it teams high-schoolers with high-powered engineering teams from major corporations: a fantastic example of the private-public partnership that will lead us to excellence in the next century. It's part of US FIRST, a national alliance of business, education and government working to reverse declining student interest and performance in science and math. Well, I invited Dean Kamen to bring his winners here -- sponsors Xerox and NYPRO, and teams from Wilson Magnet and Clinton High Schools. Welcome.

Congratulations to all of you here -- especially to our distinguished Medalists, who show us the triumph of the human mind and the unfolding drama of the human imagination. May God bless you all.

#

Education Insert

POTUS REMARKS: Science and Technology Medals

Insert sentence at the bottom of the first paragraph on page 3:

Over 1,200 communities across the country have joined my AMERICA 2000 education strategy. And as a result, they are focusing unprecedented teamwork on the task of achieving all six National Education Goals locally.



THE WHITE HOUSE
WASHINGTON

June 19, 1992

92 JUN 22 17:59

MEMORANDUM FOR DAN MCGROARTY

FROM: NELSON LUND *NL*
ASSOCIATE COUNSEL TO THE PRESIDENT

SUBJECT: Presidential Remarks: Science and Technology
Medals Presentation, Tuesday, June 23, 1992

Counsel's Office has reviewed the draft remarks for the event cited above and provides the following comments:

Page 1, para. 1

(1) It is not obviously credible for the President to say that he is reminded of something Albert Einstein once said to his fellow scientists.

Page 1, para. 2

(2) We don't know what "clairvoyant determination" means, if anything. Furthermore, we doubt that whatever it could mean could be scientifically tenable. Therefore, it is probably inadvisable to use this phrase in making a science and technology award.

(3) The use of the word epitaph implies that the recipients' pioneer spirit will die. This seems totally inappropriate.

Page 2, first complete para.

(4) Is it clear that it is a good idea for the President to want to double the budget of anything right now?

WHITE HOUSE STAFFING MEMORANDUM

DATE: 6/18/92 ACTION/CONCURRENCE/COMMENT DUE BY: 4:00PM, FRIDAY, JUNE 19

PRESIDENTIAL REMARKS: SCIENCE AND TECHNOLOGY MEDALS PRESENTATION

SUBJECT: TUESDAY, JUNE 23, 1992
ROSE GARDEN

	ACTION	FYI		ACTION	FYI
VICE PRESIDENT	☐	☒	HORNER	☐	☐
SKINNER	☐	☒	MCBRIDE	☐	☐
SCOWCROFT	☒	☐	MOORE	☐	☒
DARMAN	☒	☐	PETERSMEYER	☐	☐
BRADY	☐	☒	PORTER	☒	☐
BROMLEY	☒	☐	SMITH	☒	☐
CALIO	☒	☐	YEUTTER	☐	☒
DEMAREST	☒	☐	FINDLAY	☐	☒
FITZWATER	☐	☒	KAUFMAN	☐	☒
GRAY	☒	☐	FIRESTONE	☐	☒
HOLIDAY	☒	☐	MCGROARTY	☐	☒
			BOSKIN	☒	☐

REMARKS:

Please provide comments on the attached directly to Dan McGroarty, Rm. 122, x2930, with a copy to this office NO LATER THAN 4:00PM, FRIDAY, JUNE 19. Thank you.

RESPONSE:

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