

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 Backup Files
Subseries: Chron File, 1989-1993

OA/ID Number: 13834
Folder ID Number: 13834-007

Folder Title:
NTIC [National Technology Initiative Conference] 9/25/92 [OA 7581] [1]

Stack:	Row:	Section:	Shelf:	Position:
G	26	23	1	3

(Grady, 9/22/92)

PRESIDENTIAL REMARKS: NATIONAL TECHNOLOGY INITIATIVE
CHICAGO, ILLINOIS
FRIDAY, SEPTEMBER 25, 1992

① Thank you, Governor Edgar, for that introduction. Illinois' most famous son, and the first Illinois Republican, Abraham Lincoln, once said that: "The struggle of today is not altogether for today -- it is for a vast future, also."

That is why I have come to this great University, to the city in the heart of the most confident nation on earth, to talk to you today. In less than six weeks, you face a fundamental choice about the America's future -- about the kind of America we will seek to build, about the direction we will take.

A few weeks ago in Detroit, I laid out the direction in which I hope to go -- I called my plan an Agenda for American Renewal. My strategy is integrated -- tying economic policy and foreign policy and domestic policy together, because, in fact, they are related.

I put it simply: our defining challenge is to win the economic competition, to win the peace. So my Agenda outlines the steps we can take today to make America more competitive both now and in the future -- and one key step is to invest in technology.

Today I want to talk to you about my program for investing in civilian research and development. And I want to talk about how we can speed the process through which American businesses and entrepreneurs can turn the fruits of that R&D into successful products and American jobs.

I included investment in civilian R&D in my Agenda for American Renewal for a very specific reason. In the information

age, when capital and ideas can move around the world literally in seconds, investments in R&D and in the technologies of tomorrow can improve our productivity. That is the key to increasing economic growth. And growth means an improved standard of living for the American people.

In the old days, economists would tell you that capital and labor were the two ingredients you needed to make the economy produce. Today, it's universally accepted that a third ingredient is needed: knowledge.

We need the best ideas in the world -- and we have always had them. For decades, American scientists have produced the most scientific literature, the most new patents, the most Nobel prizes. And we are investing in basic research to keep that lead.

But to win today's economic competition, we need processes that can speed their route from the laboratory to the marketplace. We need investments in applied R&D. We need capital to turn the abstract idea into the concrete reality. And we need a workforce with the brainpower and the skills to take these technologies and turn them into the best quality products anywhere on earth.

✓ If we succeed in creating these building blocks, we will succeed in creating jobs. Just look ^{at} Illinois. ⁵ 585,000 jobs in ^{11.2} ✓ this state are tied to high technology -- that's over 11 percent of Illinois' work force. ~~Illinois is America's number one manufacturer of telecommunications equipment.~~ state Fact Sheet

② The dictionary defines technology as "the application of knowledge for practical ends." And I have come to Illinois this

morning with an example of technology's real life, practical benefits.

Two years ago, we broke through a decade-long Congressional logjam and passed a Clean Air Act that will mean better health and cleaner air for millions of Americans. New monitors to measure powerplant emissions made possible a trading system in sulfur dioxide which will allow us to cut acid rain at a billion dollars a year less cost to electric consumers than the old command-and-control style regulations.

For
Coyne

X1067

Today, I am pleased to announce the selection by EPA of the Chicago Board of Trade to run the auction and sale of these sulfur dioxide allowances. ((Now they'll be traded right next to pork bellies.)) Through this trading system, we can harness the power of the marketplace in the service of the environment.

Bob
Gardner

That example underlines a key element of the approach we take to technology policy. My Agenda states that we must sharpen the competitive edge of American business, but it rests on the core belief that the source of America's success has always been the immense power of entrepreneurial capitalism. And that is a key difference from the vision of my opponent in this election.

You see, Governor Clinton has also been talking about investing in civilian R&D during this election. But my opponent's rhetoric falls short in four key respects.

First, he puts his faith in the ability of government to pick the right investments, to control the resources, to determine which particular products and processes will be favored by the bureaucrats in Washington. I want to empower the entrepreneur to

develop a range of products, picked not by the planner but by the power of the marketplace.

Second, while Governor Clinton may be claiming he's going to make the right play, Congress is intercepting the ball and running it in the opposite direction. In each of the past four years, my R&D budget has been cut by Governor Clinton's allies in the other party -- the pork happy partisans on Capitol Hill.

Dick
Emery
OMB

In fact, right now, this year, the Democratic leaders in the Congress -- with whom the Clinton campaign is consulting each and every day -- have slashed my proposed increase for the National Science Foundation, headed by [Chicago's own Walter Massey]. They've zeroed out my proposed initiative in magnetically-levitated high speed rail. They've reduced our investments in computers, and advanced materials and manufacturing R&D.

DE/
Nexis

And Governor Clinton's own plan -- for all his talk about research -- would gut the foundation of America's science and technology enterprise by cutting university reimbursements for R&D by \$3 billion -- almost one-third. Under his plan, the ability of great universities like the University of Chicago to conduct world-class research would be compromised.

\$750/yr.
in PPF
Bob
Grady

Third, the promises of Candidate Clinton don't match the record of Governor Clinton. The most recent report card on technology indicators, published by the [Corporation for Enterprise Development], rated Arkansas near the very bottom among states in virtually every category. For "technology resources", Arkansas received an "F".

Tell

NO
GO

9
 After ~~12~~ years with Bill Clinton as Governor, Arkansas ranks ^{in 1989} 48th in percentage of adults with high school ^{diplomas} ~~students~~. Three-quarters of Arkansas' high school graduates need remedial education when they get to college. ((So it's hard for Bill Clinton to talk about high tech when the residents of his state have to worry about getting out of high school.))

Finally, and most importantly, he proposes to finance his many promises with a massive tax increase that will smother the very growth on which our success depends. I had a Freudian slip the other day and called Governor Clinton "Governor Taxes."

Well, Bill Clinton has proposed [the largest tax increase in American history, \$150 billion, and that's just for starters. To pay for his other promises, he will tax small businesses -- the main source of jobs in our economy and heroes of high technology. So let's be clear: Bill Clinton's high tax policies will kill high tech businesses.

Tell
 Reagan/Bush
 \$152 b

What it comes down to is this. America is at a crossroads. For the first time in 50 years, our country is involved today in no major conflicts anywhere on earth. We face an unprecedented opportunity. And there are two directions we can take.

The direction I propose, at its heart, is future-oriented, outward looking. I do not believe that Americans should fear competition. Because I believe we can compete and win. So I have worked to open markets, to get our work force ready to compete, and, both as a government and as a society, to invest in the future.

In short, I believe we should compete, not retreat. * Superconductors

And I believe we can do it without a massive expansion of the Federal government that reaches into the pocket of every American taxpayer.

Let me talk about the elements of this competition. First, open markets. My opponent says America is in decline. But the fact is that we are winning new markets for American goods and services right now. Just look at our export performance over these past four years. We have increased exports by 40%. We have gained worldwide market share in manufacturing output. Our exports to Japan have grown 12 times faster than our imports. And high tech exports have led the way. Since 1987, our trade surplus in advanced technology products has grown by more than 80%. So I have a message for the pessimists: we can compete, and we can win.

David
Walters
JSTR

PF

For us to continue to win new markets for America, we need a more open world trading regime. So we have worked to complete the North American Free Trade Agreement -- NAFTA -- which will create almost 200,000 jobs right here in the United States. We have worked for a successful conclusion of the Uruguay round. We have completed individual agreements to open markets in Japan, Korea, Mexico, and countries around the world.

Peter
Fennell
JSTR

PF

Those agreements have protected intellectual property rights, and with it them the incentive to generate new ideas and create new products. The results have been striking: exports to Mexico are up 66% in just 4 years. Our exports to Japan have grown 12 times as fast as our imports -- and the fastest growth has been in the sectors we have worked to open, such as computers, satellites, telecommunications equipment.

PF

88-91

17

88-92

Annualized

106%

88-91

61%

Now my opponent has waffled on NAFTA. He would risk our ability to expand trade by supporting anti-trade legislation on Capitol Hill. And his tax on foreign investment in the United States will not only lock out high wage, high skill jobs -- it will invite retaliation that will undercut the growth in exports which is so key to the growth in the economy. Tell

Let's talk about education -- preparing our children to meet the challenges of the 21st century economy. Governor Clinton has said that we've reduced investment in education. He is wrong. Education this year got the biggest increase in my budget -- it's up 41% over 1989. And we've placed a particular emphasis on math and science education, which has been increased by over 130 percent. 69% over 1989 Tell DE

Our math science education initiative will use Federal assets to help train over 770,000 teachers in the math and science skills they need to teach our kids. But we've gone beyond that to true reform of education -- stressing standards, accountability, and choice. Because I believe that parents have a right to know which schools are performing best, and they should have the right to choose which schools will serve their children best, whether it's public, private, or religious. John Yonker DOEJ.

And let's talk about investing in the future. We've been working to promote the technologies that will make us more competitive in the future. But it's time to set the record straight on this. The Governor, unchallenged by these enterprising reporters with us here today from the national media, has said that we've "reduced investment in civilian R&D." That is simply untrue. Tell

23 Here is the record. My budget this year would increase civilian R&D by 44% over 1989 levels. Civilian basic research is up 38%. ^{OK} And applied civilian R&D is up 49%. So when the Governor talks about investing in civilian R&D, the fact is we're already doing it.

Let me explain what we're doing.

24 Two years ago, we pulled every Federal agency together to launch a new program to develop the supercomputers of tomorrow -- computers 1000 times more powerful than today's. Our vision is to develop a supercomputer the size of a desktop PC -- and to do it within four years.

25 We also proposed a nationwide communications network -- an information backbone that will transmit 1000 times more information than we can today in one second. This year, we've proposed over \$800 million, a 23% increase ^{one - 12% yr.} for this High Performance Computing and Communications initiative.

26 Last year, we launched another crosscutting technology plan -- an investment of over \$1.8 billion in the materials of tomorrow. These new kinds of materials will help us make products that are stronger, lighter, and faster -- everything from cars to airplanes to military equipment.

27 We've launched a \$4 billion program in biotechnology research -- and proposed to knock down the regulatory barriers that might prevent technologies in this area from helping us to cure disease, grow more crops, and clean up the environment.

We're using technology to tackle an unfortunate legacy of the Cold War -- the environmental problems left from making weapons

that defended freedom around the globe. Winning the peace means managing dangerous materials more effectively. Today, we're using the scientific expertise of the Federal labs -- whose scientists first devised these bombs -- to find new technologies for stopping weapons proliferation, and for protecting our children from environmental threats.

I'm here today, however, because a successful strategy for winning the economic competition requires more than just investment in R&D -- whether basic or applied. ~~In a fast-paced world of~~ ^{with} shorter product cycles and faster communications, the key to victory is moving ideas and technologies from the laboratory bench to the commercial marketplace faster than ever before.

That's what this National Technology Initiative, or NTI, is all about. This is the eleventh NTI meeting we've had -- each in a different part of the country; each designed to help speed the transfer of technology from our Federal labs and universities to the private and commercial sector. Barb. Franklin
Memo

We're working to make it easier to deal with the Federal government as a partner. If you attend the workshops and visit the technology fair, you'll get a window on today's opportunities, and an early start on tomorrow's successes.

One year ago, I directed the Secretaries of Commerce and Energy to increase the number of cooperative research and development agreements signed between our Federal facilities and private partners. Bob
Gandy These CRADAs ((CRAY-DAHS)), as they are called, help speed the transfer of the most promising technologies to the

private sector -- so they can be developed into commercial products and services.

31 And in the one year since that directive was issued -- we've doubled the number of these agreements. There are now more than 1,400 operating and in place. Computers. Ceramics. Environmental cleanup. We are achieving an unprecedented level of success in taking the best ideas from our labs and turning them into American products and American jobs. SOE

32 Today we are signing several new breakthrough agreements. One involves two Federal labs and three private industry partners -- working to determine the right mix for burning pelletized trash along with coal to generate electricity. " " The results will be cleaner air, less trash in our landfills, and more jobs in Illinois. SOE

33 A second will bring the Oak Ridge National Lab together with IBM to extend America's leadership in High Performance Computing. The third involves a partnership between General Motors and the National Institute of Standards and Technology -- NIST -- to develop new software to solve problems in automated manufacturing equipment.

These agreements provide rules of the road, protection of patents and intellectual property, and other understandings -- so that technology transfer is not a concept but a job-producing reality.

Our program reflects a fundamental belief about the path to successful technology development. Our efforts to transfer technology from the labs, to invest in the most promising

technologies of tomorrow, have recognized the fact that the private sector must commercialize these technologies.

To help in that task, to spread information about best practices and new processes, my Administration has also established seven Manufacturing Technology Centers around the country. These will introduce new equipment and improve manufacturing processes for small and medium-sized firms. Since 1989, more than 6,000 companies have used the services provided by these centers -- and we plan to start up four more next year.

In next year's budget, we will launch a new cross-cutting initiative to increase our investment in R&D into new technologies to advance the manufacturing process. Today's factories face a different set of challenges from those a generation ago. In the face of fast changing requirements, more flexibility is needed.

We want to advance the development of systems and software, of robotics and artificial intelligence, to make this flexibility possible for all kinds of companies. The government will help with technological leaps -- so that the American firms can leap ahead in the marketplace.

One of the (most quintessentially) American figures of our time, John Wayne, once said that: "Tomorrow is the most important thing in life."

When the shouting is finished, when the campaign winds down to its end, it will come down to a very personal and serious decision for every American. What kind of tomorrow do you want?

Do you want a tomorrow in which we look forward and take on the competition, or one in which we turn inward in retreat?

Do you want a tomorrow in which we invest in the technologies that can make us more competitive, or in which we allow the patrons of the past to spend our future away?

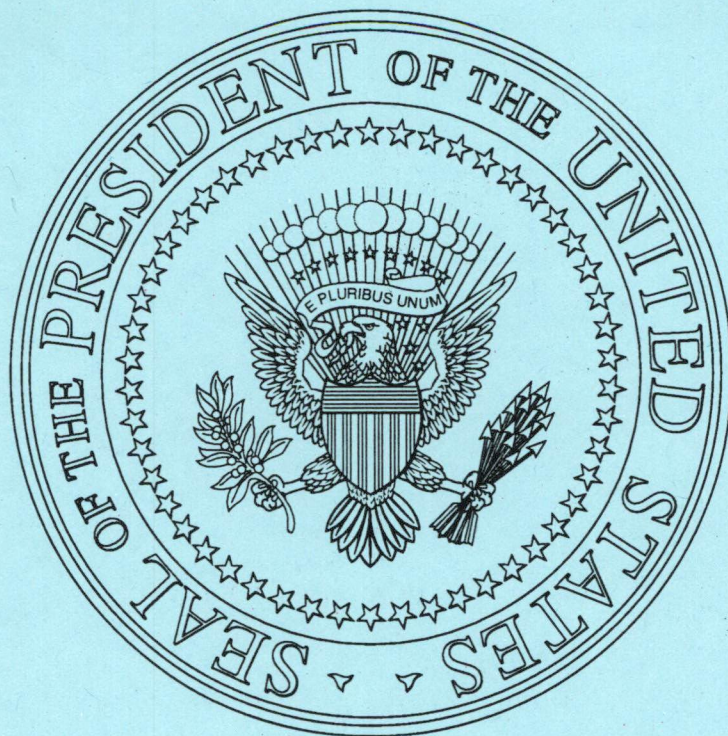
Do you want a tomorrow in which work and innovation are rewarded, or in which we turn back down the path of higher taxes and more regulation?

When Americans step into that booth this year, they will face a fundamental choice about the kind of future they want. I have come to Chicago today to offer my ideas for a future full of promise. A future in which America works, America competes, and America wins.

I ask you to join me in this future.

Thank you, God bless you, and God bless the United States of America.

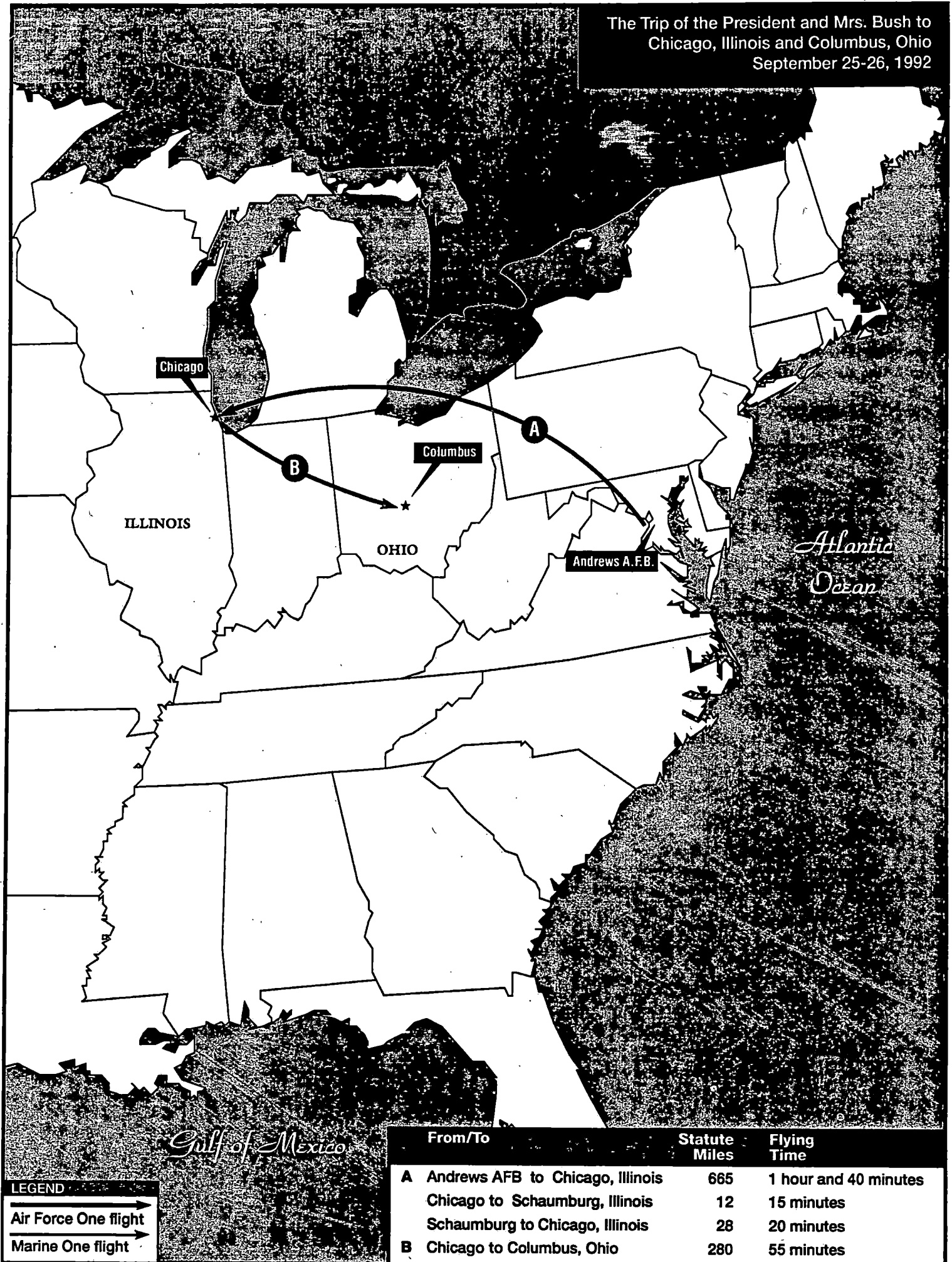
#



**THE TRIP OF
THE PRESIDENT
AND
MRS. BUSH
TO
CHICAGO, ILLINOIS
AND
COLUMBUS, OHIO**

September 25-26, 1992

The Trip of the President and Mrs. Bush to
Chicago, Illinois and Columbus, Ohio
September 25-26, 1992



SCHEDULE

THE WHITE HOUSE
WASHINGTON

SCHEDULE OF THE PRESIDENT
FOR
CHICAGO, ILLINOIS
SEPTEMBER 25, 1992

EVENTS:

Tour Motorola Plant
Motorola Employees Welcome
Address National Technology Initiative Conference
Working Families for Bush/Quayle '92
Victory '92 VIP Photo
Drop by Victory '92 Reception
Presidential Trust Dinner

DRESS:

Men - Business Suit
Women - Day Dress

CONTACTS:

Presidential Advance Office
John G. Keller, Jr. - 202/456-7565

Trip Coordinator
Anne Mincy - 202/456-7565

Chicago, Illinois Signal - 312-946-8060
- *96 30 000

ADVANCE:

Lyn D. Kennelly - LEAD
Teresa Weidel - PRESS
Rick Bartee - USSS
Michelle Johnson - MIL. AIDE
Mike Curry - WHCA
John Youngs - AF-1
Cal Dixon - HMX

Brad Edgar - SITE
Bob McClellan - SITE
David Pasquesi - SITE
Denise Dunckel - PRESS
Elizabeth Duperier - PRESS

WEATHER:

Sunny/Low 60's

SCHEDULE OF THE PRESIDENT

FOR

CHICAGO, ILLINOIS

SEPTEMBER 25, 1992

GUEST AND STAFF INSTRUCTIONS:

8:15 am **Baggage Call.** Please place all unlocked baggage outside Room 89 1/2, O.E.O.B., at this time.

10:10 am Vans depart West Basement en route Andrews Air Force Base.

10:10 am Those with own transportation and baggage should arrive Andrews Air Force Base, Distinguished Visitor's Lounge, at this time.

10:30 am Those with own transportation without baggage should arrive Andrews Air Force Base, Distinguished Visitor's Lounge, at this time.

10:55 am THE PRESIDENT departs White House en route Andrews Air Force Base.

(Flying Time: 10 Minutes)

11:05 am THE PRESIDENT arrives Andrews Air Force Base and boards Air Force One.

11:15 am THE PRESIDENT departs Andrews Air Force Base en route Chicago, Illinois.
(E.D.T.)

(Flying Time: 1 Hour 40 Minutes)
(Interchange: No)
(Time Change: Back 1 Hour)
(Food Service: Lunch)

11:55 am

THE PRESIDENT arrives O'Hare International Airport, Chicago, Illinois and boards Marine One.

Met by:

Ms. Jan Carlson
GOP Chairman, Kane County

Mr. Roger Claar
Bush/Quayle Coordinator, Will County

Ms. Susan Katania
Candidate, Cook County Recorder of Deeds

Ms. Ann Hughes
Board Chairman, McHenry County Commission

Mr. Jack O'Malley
States Attorney, Cook County

Mr. Timothy H. Osmond
Bush/Quayle Co-Chair, Lake County

Mr. Herbert T. Schumann, Jr.
Commissioner, Cook County and Candidate, Clerk of
the Circuit Court

Mr. Bob Herbolsheimer
Candidate, U.S. House of Representatives, 11th
District

Mr. John Oremus
Victory '92 Supporter

12:05 pm

THE PRESIDENT departs O'Hare International Airport en route Motorola Landing Zone, Schaumburg, Illinois.

HELICOPTER ASSIGNMENTS

Marine One:

THE PRESIDENT

Gov. Edgar

D. Bates

Adm. Howe

M. Fitzwater

B. Farish

Doctor

Mil. Aide

2 USSS

Nighthawk II:

J. Gaughan

10 USSS

Col. Hawes

WHCA PCO

Medic

Nighthawk III:

Rep. P. Crane

M. Matalin

P. Brady

D. McGroarty

R. Kaufman

J. Keller

L. Kennelly

B. Grady

D. Valdez

S. Biddle

N. Benson

B. Thompson

C. Ott

2 WHTV

Gov. Security

2 USSS

Nighthawk IV:

J. Herrick

T. Weidel

10 Press
1 USSS
WHCA A/V

Nighthawk V:

M. Busch
16 Press
WHCA A/V

(Flying Time: 15 Minutes)

GUEST AND STAFF INSTRUCTIONS:

Upon arrival at Motorola Inc. Plant,
Guests and Staff will be escorted to
Staff Viewing Area.

Please board Motorcade **no later than**
12:40 pm for transport to Welcome Area.

12:20 pm

THE PRESIDENT arrives Motorola Landing Zone,
Schaumburg, Illinois and proceeds to Motorola Inc.
Plant (walk).

12:25 pm

THE PRESIDENT arrives Motorola, Inc. Plant and
proceeds to Plant Floor.

Met by:

Mr. George Fisher
Chairman of the Board and Chief Executive Officer,
Motorola, Inc.

Mr. Merle Gilmore
Senior Vice President and Assistant General
Manager, Motorola, Inc.

EVENT: TOUR MOTOROLA PLANT

EXPANDED POOL

12:30 pm

THE PRESIDENT arrives Plant Floor and begins participation in Tour.

Met by:

Ms. Gail Landuyt
Director of Manufacturing, Motorola, Inc.

12:50 pm

THE PRESIDENT concludes participation in Tour, departs Plant Floor and boards Motorcade.

NOTE: Four police photos will be taken at this time.

12:55 pm

THE PRESIDENT departs Motorola Plant en route Welcome Area.

MOTORCADE ASSIGNMENTS:

Lead	L. Kennelly
Spare	B. Farish Doctor
LIMO	THE PRESIDENT
Follow-Up	
Control	D. Bates Adm. Howe Mil. Aide
Support	M. Fitzwater J. Keller Official Photographer Medic

WHCA

Camera I

J. Herrick

Camera II

Guest and Staff
Van

All Guests and
Remaining Staff

Wire I

Wire II

Press Van I

M. Busch

Press Van II

Press Van III

(Drive Time: 5 Minutes)

GUEST AND STAFF INSTRUCTIONS:

Upon arrival at Welcome Area, Guests and Staff will be escorted to Staff Viewing Area.

Guests and Staff should board Motorcade no later than 1:20 pm for transport to Motorola Inc. Landing Zone.

EVENT: MOTOROLA EMPLOYEES WELCOME

EXPANDED POOL

ON-STAGE ANNOUNCEMENT

REMARKS

TOAST LECTERN

Page Six

1:00 pm THE PRESIDENT arrives Welcome Area, is announced onto Stage from limousine by Ms. Veronica "Ronnie" Haggert, Corporate Vice President, Washington Office, Motorola, Inc., and proceeds onto Stage.

1:05 pm THE PRESIDENT is introduced for Remarks by Ms. Haggert.

1:10 pm THE PRESIDENT makes Remarks.

1:25 pm THE PRESIDENT concludes Remarks, departs Stage and boards Motorcade.

1:30 pm THE PRESIDENT departs Welcome Area en route Motorola Landing Zone.

MOTORCADE ASSIGNMENTS:

Same as on Arrival.

(Drive Time: 5 Minutes)

1:35 pm THE PRESIDENT arrives Motorola Landing Zone and boards Marine One.

1:40 pm THE PRESIDENT departs Motorola Landing Zone en route Meigs Field.

HELICOPTER ASSIGNMENTS

Marine One:

THE PRESIDENT
Gov. Edgar
D. Bates
Adm. Howe
M. Fitzwater
B. Farish
Doctor
Mil. Aide
2 USSS

Nighthawk II:

J. Gaughan
Col. Hawes
10 USSS
WHCA PCO
Medic

Nighthawk III:

M. Matalin
P. Brady
D. McGroarty
R. Kaufman
J. Keller
L. Kennelly
B. Grady
D. Valdez
S. Biddle
N. Benson
B. Thompson
C. Ott
2 WHTV
Gov. Security
2 USSS

Nighthawk IV:

J. Herrick
T. Weidel
10 Press
1 USSS
WHCA A/V

Nighthawk V:

M. Busch
16 Press
WHCA A/V

(Flying Time: 20 Minutes)

2:00 pm

THE PRESIDENT arrives Meigs Field and boards Motorcade.

2:05 pm

THE PRESIDENT departs Meigs Field en route University of Chicago, Chicago, Illinois.

MOTORCADE ASSIGNMENTS:

Lead	L. Kennelly
Spare	B. Farish Doctor
LIMO	THE PRESIDENT
Follow-Up	
Control	D. Bates Adm. Howe Mil. Aide
Support	M. Fitzwater J. Keller Official Photographer Medic
WHCA	
Camera I	J. Herrick
Camera II	

Staff Van	All Remaining Staff
Guest Van	
Wire I	
Wire II	
Press Van I	M. Busch
Press Van II	
Press Van III	

(Drive Time: 10 Minutes)

GUEST AND STAFF INSTRUCTIONS:

Upon arrival at University of Chicago,
Guests and Staff will be escorted to
Staff Viewing Area.

Please board Motorcade no later than
2:55 pm for transport to Hilton Hotel.

2:15 pm

THE PRESIDENT arrives Mandel Hall, University of
Chicago and proceeds to Holding Room.

Met by:

Mr. Edward Laumann
Provost, University of Chicago

2:17 pm

THE PRESIDENT arrives Holding Room and holds
briefly.

2:20 pm THE PRESIDENT departs Holding Room and proceeds to Off-Stage Announcement Area.

2:21 pm THE PRESIDENT arrives Off-Stage Announcement Area and holds briefly.

NOTE: Dais guests are announced onto Stage at this time.

EVENT: ADDRESS NATIONAL TECHNOLOGY INITIATIVE CONFERENCE

OPEN PRESS

OFF-STAGE ANNOUNCEMENT

REMARKS

TELEPROMPTER

2:22 pm THE PRESIDENT is announced onto Stage, proceeds to Seat, and is Seated.

2:23 pm Mr. Laumann gives brief Welcoming Remarks and introduces Secretary Franklin.

2:25 pm THE PRESIDENT is introduced for Remarks by The Honorable Barbara Franklin, U.S. Secretary of Commerce.

2:30 pm THE PRESIDENT makes Remarks.

3:00 pm THE PRESIDENT concludes Remarks, departs Mandel Hall and boards Motorcade.

3:05 pm

THE PRESIDENT departs University of Chicago en route Hilton Hotel.

MOTORCADE ASSIGNMENTS:

Same as on Arrival.

(Drive Time: 15 Minutes)

GUEST AND STAFF INSTRUCTIONS:

Upon arrival at Hilton Hotel, Guests and Staff will be escorted to Staff Holding Room.

Please board Motorcade no later than 8:20 pm for transport to Meigs Field.

3:20 pm

THE PRESIDENT arrives Hilton Hotel and proceeds to Suite.

Met by:

Mr. Gary Seibert
General Manager, Chicago Hilton Hotel

3:25 pm

THE PRESIDENT arrives Suite for Private Time.

(PRIVATE TIME: 2 HOURS 10 MINUTES)

5:35 pm

THE PRESIDENT departs Suite and proceeds to Continental Ballroom C.

EVENT: WORKING FAMILIES FOR BUSH/QUAYLE '92

EXPANDED POOL

ON-STAGE ANNOUNCEMENT

BRIEF REMARKS

TOAST LECTERN

5:40 pm THE PRESIDENT arrives Continental Ballroom C, is announced onto Stage by The Honorable Jim Edgar, Governor of Illinois, and remains Standing.

5:42 pm Governor Edgar introduces Mr. Randy Peters, Recording Secretary, UAW 551.

5:45 pm THE PRESIDENT is introduced for Brief Remarks by Mr. Peters.

5:50 pm THE PRESIDENT makes Brief Remarks.

6:00 pm THE PRESIDENT concludes Brief Remarks, departs Continental Ballroom C and proceeds to International Ballroom Annex.

EVENT: VICTORY '92 VIP PHOTO

CLOSED PRESS

6:05 pm THE PRESIDENT arrives International Ballroom Annex and begins participation in Photo Opportunity.

6:15 pm

THE PRESIDENT concludes participation in Photo Opportunity, departs International Ballroom Annex and proceeds to International Ballroom Off-Stage Area.

NOTE: Two police photos will be taken at this time.

6:17 pm

THE PRESIDENT arrives International Ballroom Annex Off-Stage Area and holds briefly.

NOTE: Dais participants are already on Stage at this time.

EVENT: DROP BY VICTORY '92 RECEPTION

CLOSED PRESS

ON-STAGE ANNOUNCEMENT

REMARKS

TOAST LECTERN

6:20 pm

THE PRESIDENT is announced onto Stage by Governor Jim Edgar and remains Standing.

6:22 pm

THE PRESIDENT is introduced for Remarks by Governor Edgar.

6:25 pm

THE PRESIDENT makes Remarks.

6:45 pm

THE PRESIDENT concludes Remarks, departs Stage and proceeds to Tower Suite.

EVENT: PRESIDENTIAL TRUST DINNER

CLOSED PRESS

INFORMAL REMARKS

7:00 pm

THE PRESIDENT arrives Tower Suite and begins participation in Dinner.

Met by:

The Honorable Robert D. Stuart
Former Ambassador to Norway

NOTE: The Cocktail Reception will be in progress. THE PRESIDENT will participate in a mix and mingle with candid photos before proceeding to seats for Dinner.

8:20 pm

THE PRESIDENT is introduced for Informal Remarks by Ambassador Stewart.

8:22 pm

THE PRESIDENT gives Informal Remarks.

8:30 pm

THE PRESIDENT concludes Informal Remarks, departs Tower Suite and boards Motorcade.

8:35 pm

THE PRESIDENT departs Hilton Hotel en route Meigs Field.

MOTORCADE ASSIGNMENTS:

Lead

L. Kennelly

Spare	B. Farish Doctor
LIMO	THE PRESIDENT
Follow-Up	
Control	D. Bates Adm. Howe Mil. Aide
Support	M. Fitzwater J. Keller Official Photographer Medic
WHCA	
Camera I	J. Herrick
Camera II	
Staff Van	All Remaining Staff
Guest Van	
Wire I	
Wire II	
Press Van I	M. Busch
Press Van II	
Press Van III	

(Drive Time: 5 Minutes)

8:40 pm

THE PRESIDENT arrives Meigs Field and boards Marine One.

8:45 pm

THE PRESIDENT departs Meigs Field en route O'Hare International Airport.

HELICOPTER ASSIGNMENTS

Marine One:

THE PRESIDENT
D. Bates
Adm. Howe
M. Fitzwater
B. Farish
D. Valdez
Doctor
Mil. Aide
2 USSS

Nighthawk II:

J. Gaughan
Col. Hawes
10 USSS
WHCA PCO
Medic

Nighthawk III:

M. Matalin
P. Brady
D. McGroarty
R. Kaufman
B. Grady
J. Keller
L. Kennelly
S. Biddle
N. Benson
B. Thompson
C. Ott
2 WHTV
2 USSS

Nighthawk IV:

J. Herrick
T. Weidel

10 Press
1 USSS
WHCA A/V

Nighthawk V:

M. Busch
16 Press
WHCA A/V

(Flying Time: 15 Minutes)

9:00 pm THE PRESIDENT arrives O'Hare International Airport
and boards Air Force One.

9:05 pm THE PRESIDENT departs Chicago, Illinois en route
(C.D.T.) Columbus, Ohio.

(Flying Time: 55 Minutes)
(Interchange: No)
(Time Change: Ahead 1 Hour)
(Food Service: Hot Snacks)

THE WHITE HOUSE
WASHINGTON

VISIT OF THE PRESIDENT

TO

CHICAGO, ILLINOIS

SEPTEMBER 25, 1992

EVENT: Tour Motorola Plant

TIME: 12:25 pm - 12:55 pm

DATE: Friday, September 25, 1992

LOCATION: Motorola Plant, Schaumburg, Illinois

PRESS: Expanded Pool

ATTENDEES: 40

SCENARIO: THE PRESIDENT arrives Motorola Inc. Plant and is met by: Mr. George Fisher, Chairman of the Board and Chief Executive Officer, Motorola, Inc.; and Mr. Merle Gilmore, Senior Vice President and Assistant General Manager, Motorola, Inc. Following Greetings, THE PRESIDENT arrives Plant Floor and is met by: Ms. Gail Landuyt (pronounced LANDITE), Director of Manufacturing, Motorola, Inc. THE PRESIDENT concludes participation in Tour, departs Plant Floor and boards Motorcade. (NOTE: Four police photos will be taken at this time.) THE PRESIDENT departs Motorola Plant en route Welcome Area.

THE WHITE HOUSE
WASHINGTON

VISIT OF THE PRESIDENT
TO
CHICAGO, ILLINOIS
SEPTEMBER 25, 1992

EVENT: Motorola Employees Welcome

TIME: 1:00 pm - 1:30 pm

DATE: Friday, September 25, 1992

LOCATION: Motorola Inc. Grounds

PRESS: Expanded Pool

ATTENDEES: 1500

SCENARIO: THE PRESIDENT arrives Welcome Area, is announced onto Stage from limousine by Ms. Veronica "Ronnie" Haggert, Corporate Vice President, Washington Office, Motorola, Inc., and proceeds onto Stage. THE PRESIDENT is introduced for Remarks by Ms. Haggert. THE PRESIDENT makes Remarks. THE PRESIDENT concludes Remarks, departs Stage and boards Motorcade.

THE WHITE HOUSE
WASHINGTON

VISIT OF THE PRESIDENT
TO

CHICAGO, ILLINOIS

SEPTEMBER 25, 1992

EVENT: Address National Technology Initiative
Conference

TIME: 2:15 pm - 3:00 pm

DATE: Friday, September 25, 1992

LOCATION: Mandel Hall, University of Chicago

ATTENDEES: 600

PRESS: Open Press

SCENARIO: THE PRESIDENT arrives Mandel Hall, University of Chicago and is met by: Mr. Edward Laumann, Provost, University of Chicago. Following Greetings, THE PRESIDENT proceeds to Holding Room. THE PRESIDENT arrives Holding Room and holds briefly. THE PRESIDENT departs Holding Room and proceeds to Off-Stage Announcement Area. THE PRESIDENT arrives Off-Stage Announcement Area and holds briefly. (NOTE: Dais guests are announced onto Stage at this time.) THE PRESIDENT is announced onto Stage, proceeds to Seat, and is Seated. Mr. Laumann gives brief Welcoming Remarks and introduces The Honorable Barbara Franklin, U.S. Secretary of Commerce. THE PRESIDENT is introduced for Remarks by Secretary Franklin. THE PRESIDENT makes Remarks. (NOTE: A teleprompter will be used.) THE PRESIDENT concludes Remarks departs Mandel Hall and boards Motorcade.

The backdrop is white foam cut-out letters reading National Technology Initiative University of Chicago against a red backdrop. The Press Platform is located straight-on at 70 feet.

THE WHITE HOUSE
WASHINGTON

VISIT OF THE PRESIDENT

TO

CHICAGO, ILLINOIS

SEPTEMBER 25, 1992

EVENT: Working Families for Bush/Quayle '92

TIME: 5:40 pm - 6:00 pm

DATE: Friday, September 25, 1992

LOCATION: Continental Ballroom C, Hilton Hotel

PRESS: Expanded Pool

ATTENDEES: 100

SCENARIO: THE PRESIDENT arrives Continental Ballroom C is announced onto Stage by The Honorable Jim Edgar, Governor of Illinois and remains Standing. Governor Edgar introduces Mr. Randy Peters, Recording Secretary, UAW 551. THE PRESIDENT is introduced for Brief Remarks by Mr. Peters. THE PRESIDENT makes Brief Remarks. THE PRESIDENT concludes Brief Remarks, departs Continental Ballroom C and proceeds to International Ballroom Annex.

THE WHITE HOUSE
WASHINGTON

VISIT OF THE PRESIDENT
TO
CHICAGO, ILLINOIS
SEPTEMBER 25, 1992

EVENT: Victory '92 VIP Photo

TIME: 6:05 pm - 6:15 pm

DATE: Friday, September 25, 1992

LOCATION: International Ballroom Annex, Hilton Hotel

PRESS: Closed

ATTENDEES: 60

SCENARIO: THE PRESIDENT arrives International Ballroom Annex and begins participation in Photo Opportunity. THE PRESIDENT concludes participation in Photo Opportunity, departs International Ballroom Annex and proceeds to International Ballroom Off-Stage Area. (NOTE: Two Police Photos will be taken at this time.)

THE WHITE HOUSE
WASHINGTON

VISIT OF THE PRESIDENT

TO

CHICAGO, ILLINOIS

SEPTEMBER 25, 1992

EVENT: Drop by Victory '92 Reception

TIME: 6:20 pm - 6:45 pm

DATE: Friday, September 25, 1992

LOCATION: International Ballroom, Hilton Hotel

PRESS: Closed

ATTENDEES: 450

SCENARIO: THE PRESIDENT arrives International Ballroom Off-Stage Area and holds briefly. (NOTE: Dais Participants are already on Stage at this time.) THE PRESIDENT is announced onto Stage by The Honorable Jim Edgar, Governor and Remains Standing. THE PRESIDENT is introduced for Brief Remarks by Governor Edgar. THE PRESIDENT makes Brief Remarks. THE PRESIDENT concludes Brief Remarks, departs Stage and proceeds to Tower Suite.

THE WHITE HOUSE
WASHINGTON

VISIT OF THE PRESIDENT

TO

CHICAGO, ILLINOIS

SEPTEMBER 25, 1992

EVENT: Presidential Trust Dinner

TIME: 7:00 pm - 8:30 pm

DATE: Friday, September 25, 1992

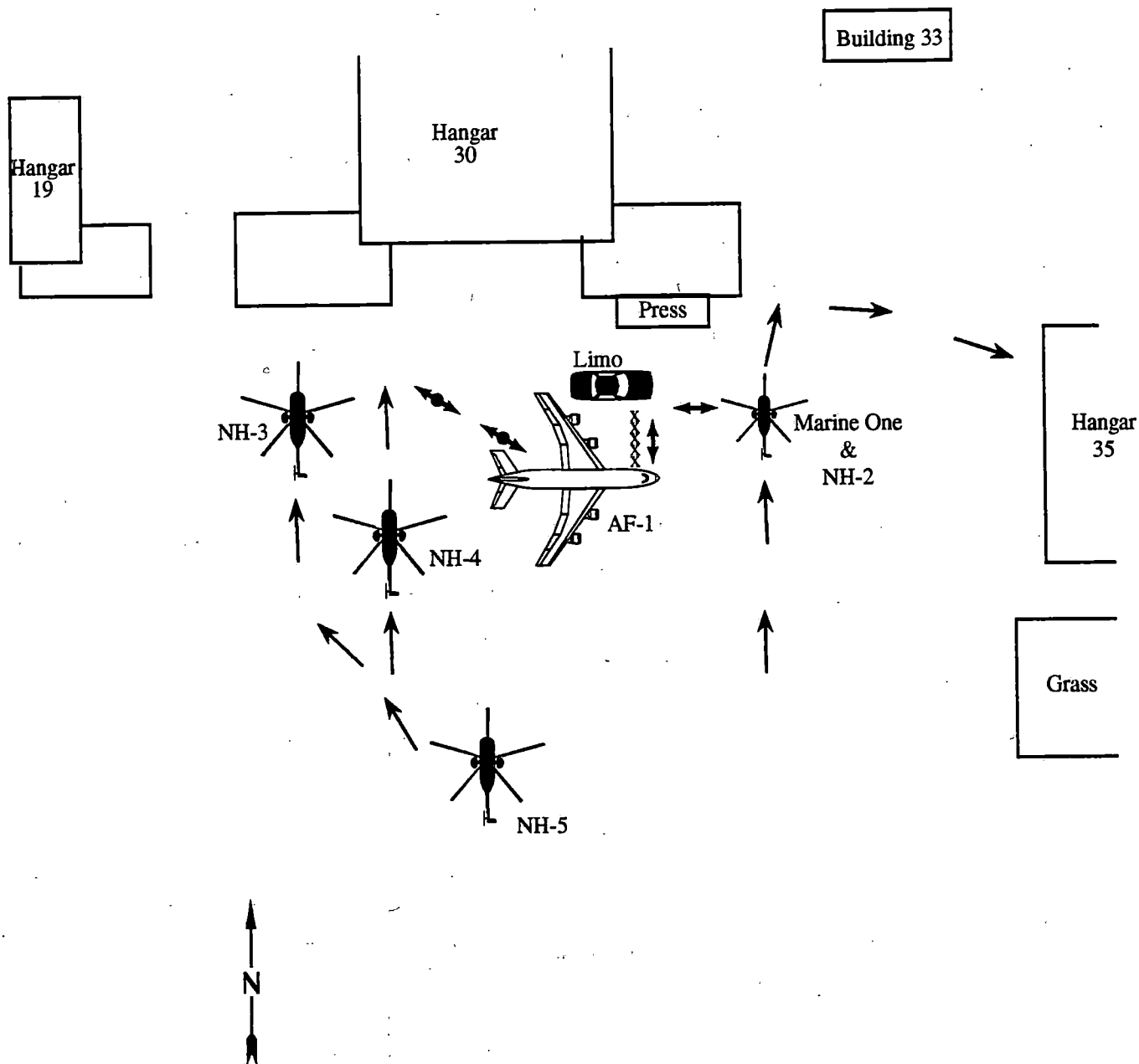
LOCATION: Tower Suite, Hilton Hotel

PRESS: Closed

ATTENDEES: 90

SCENARIO: THE PRESIDENT arrives Tower Suite, is met by The Honorable Robert D. Stuart, Former Ambassador to Norway, and begins participation in Dinner. (NOTE: The Cocktail Reception will be in progress. THE PRESIDENT will participate in a mix and mingle with candid photos before proceeding to seats for Dinner.) THE PRESIDENT is introduced for Informal Remarks by Ambassador Stuart. THE PRESIDENT gives Informal Remarks. THE PRESIDENT concludes Informal Remarks, departs Tower Suite and boards Motorcade.

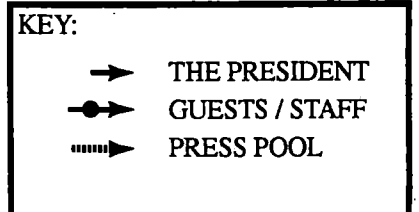
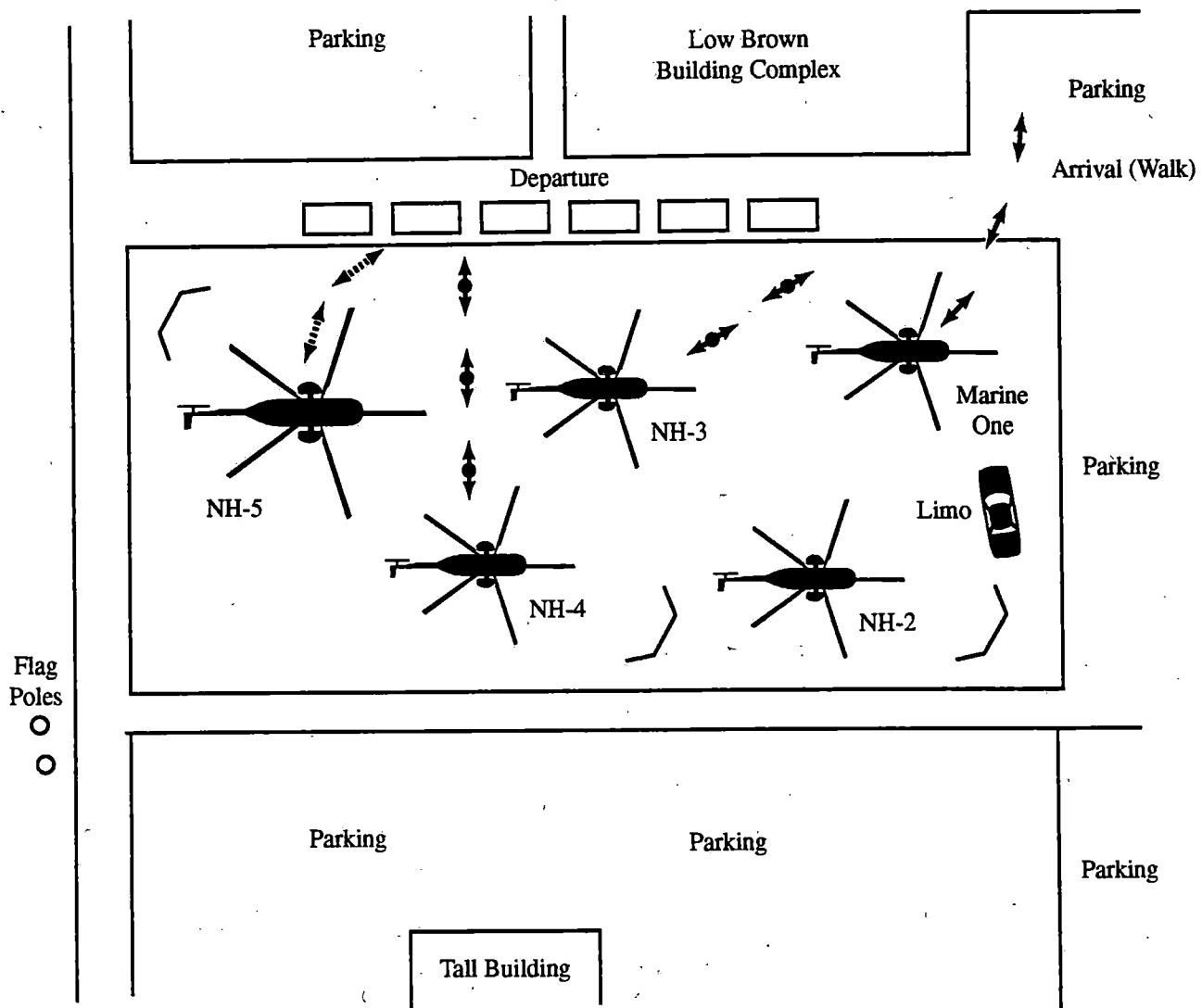
TAB A
 CHICAGO, ILLINOIS
 Air National Guard Ramp
 Chicago O'Hare International Airport
 Arrival/Departure
 Friday, September 25, 1992



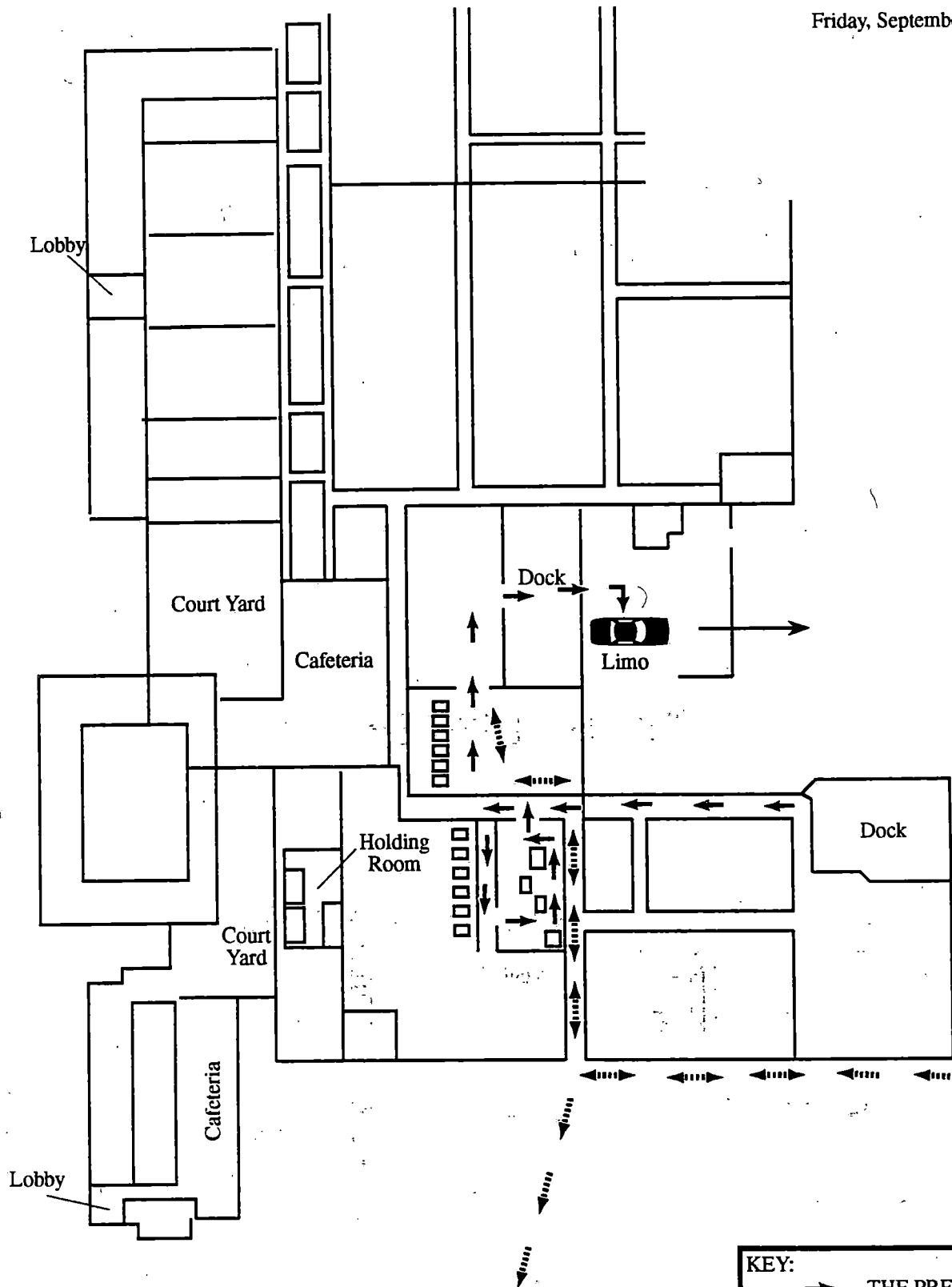
KEY:

- THE PRESIDENT
- GUESTS / STAFF
- X GREETERS

TAB B
CHICAGO, ILLINOIS
Motorola Landing Zone
Arrival/Departure Diagram
Friday, September 25, 1992



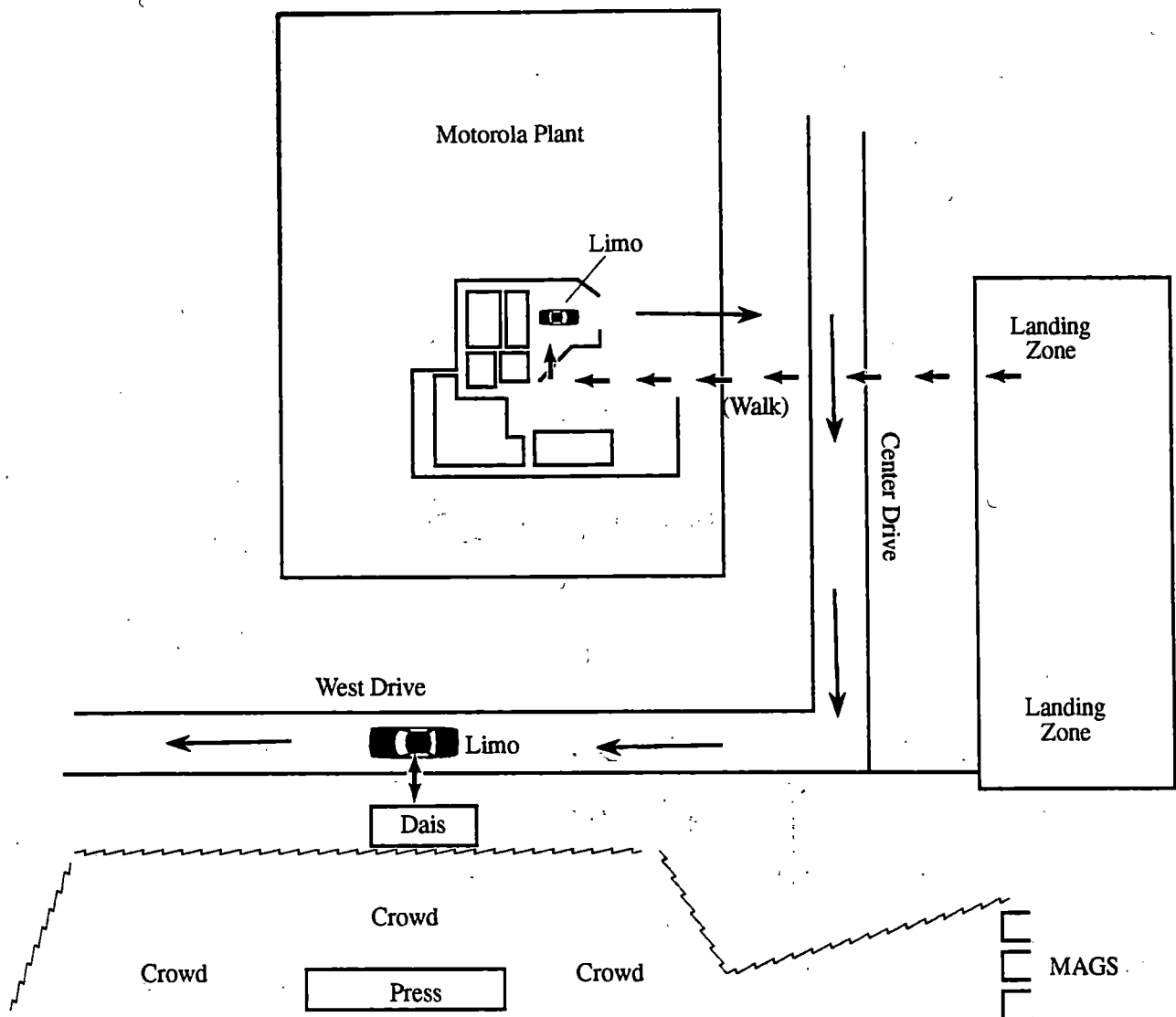
TAB C
 SCHAUMBERG, ILLINOIS
 Motorola, Inc.
 Plant Tour
 Friday, September 25, 1992



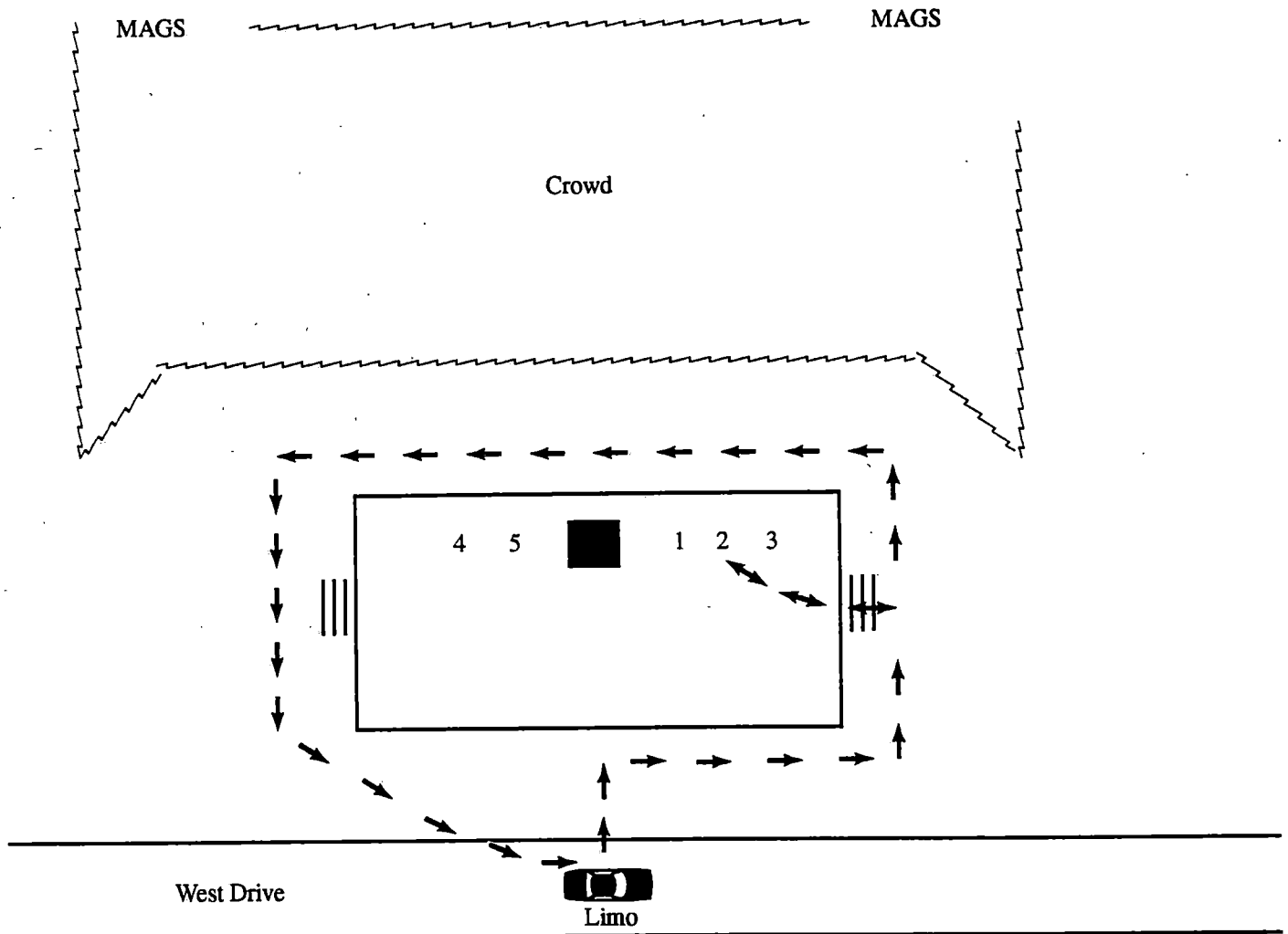
KEY:

- THE PRESIDENT
- GUESTS / STAFF
-→ PRESS POOL
- X GREETERS

TAB D
SCHAUMBERG, ILLINOIS
Motorola, Inc.
Employee Address
Friday, September 25, 1992



KEY:
→ THE PRESIDENT

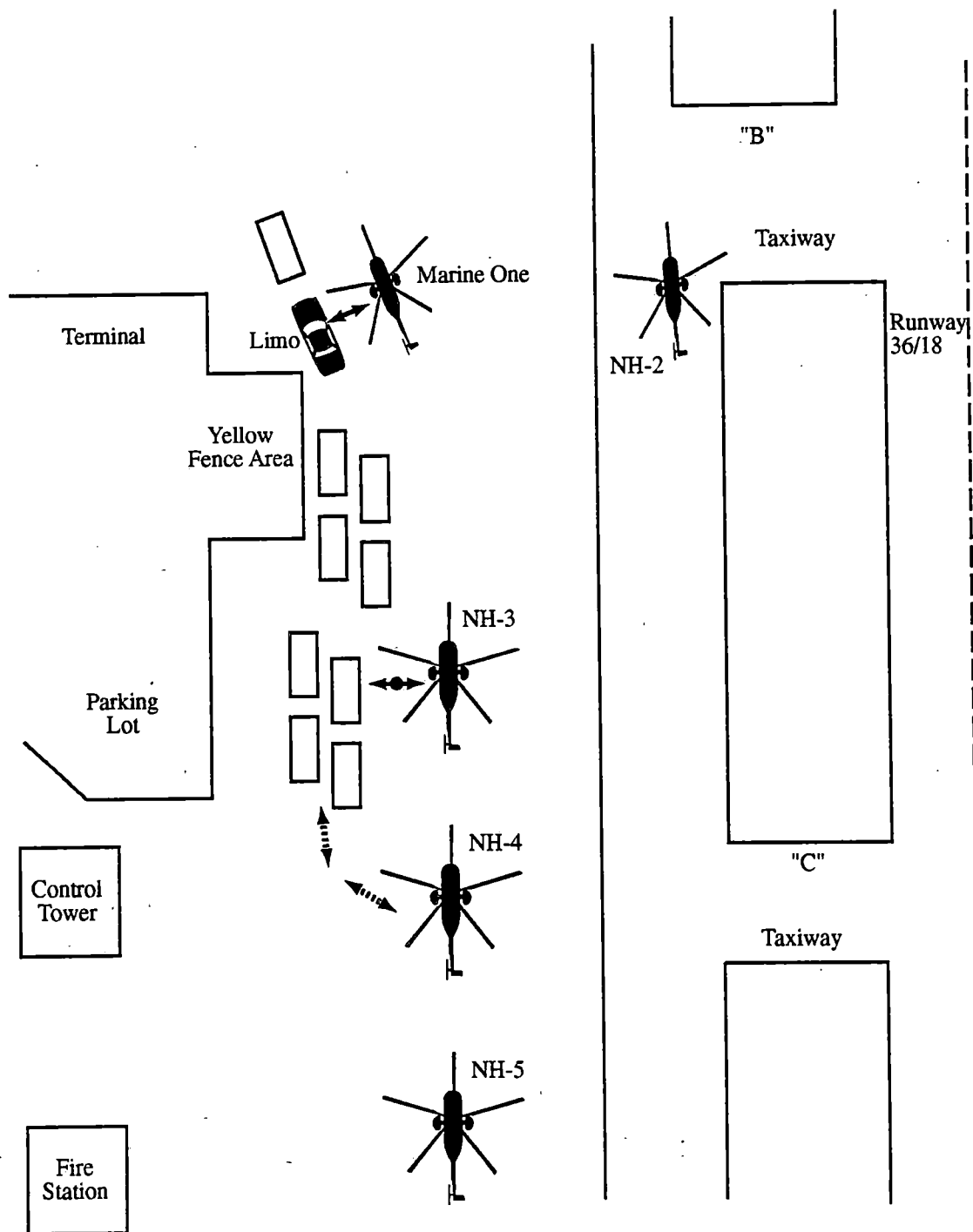


1. Mr. George Fisher
2. THE PRESIDENT
3. Mr. Merle Gilmore
4. The Honorable Jim Edgar
5. Ms. Veronica Haggart

KEY:

→ THE PRESIDENT

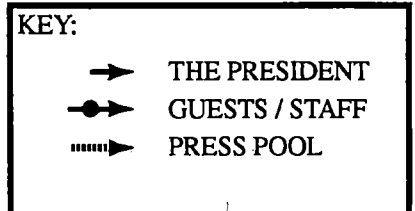
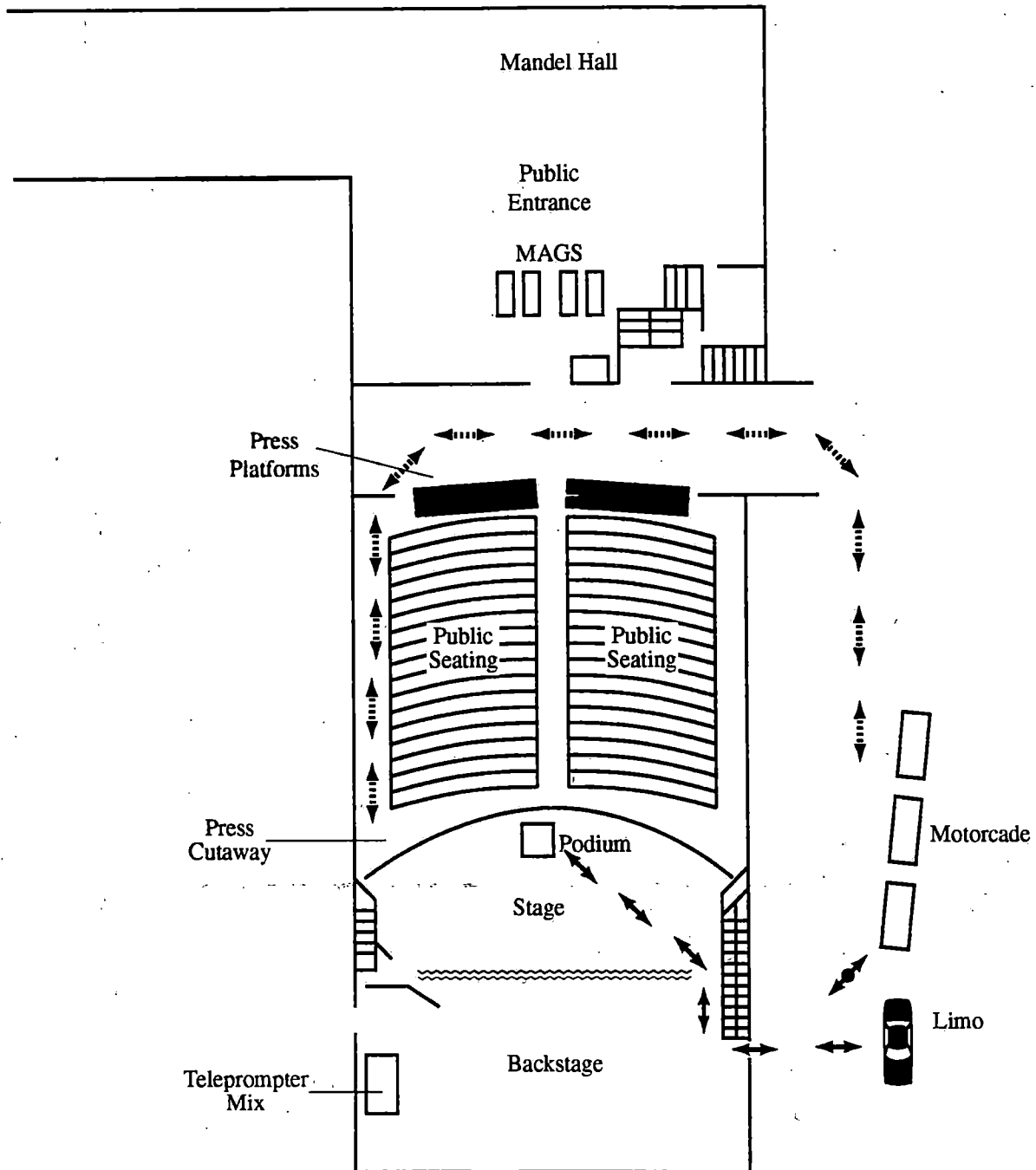
TAB F
 CHICAGO, ILLINOIS
 Meigs Field
 Arrival/Departure
 Friday, September 25, 1992



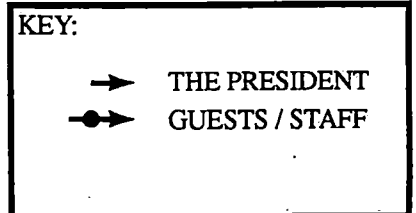
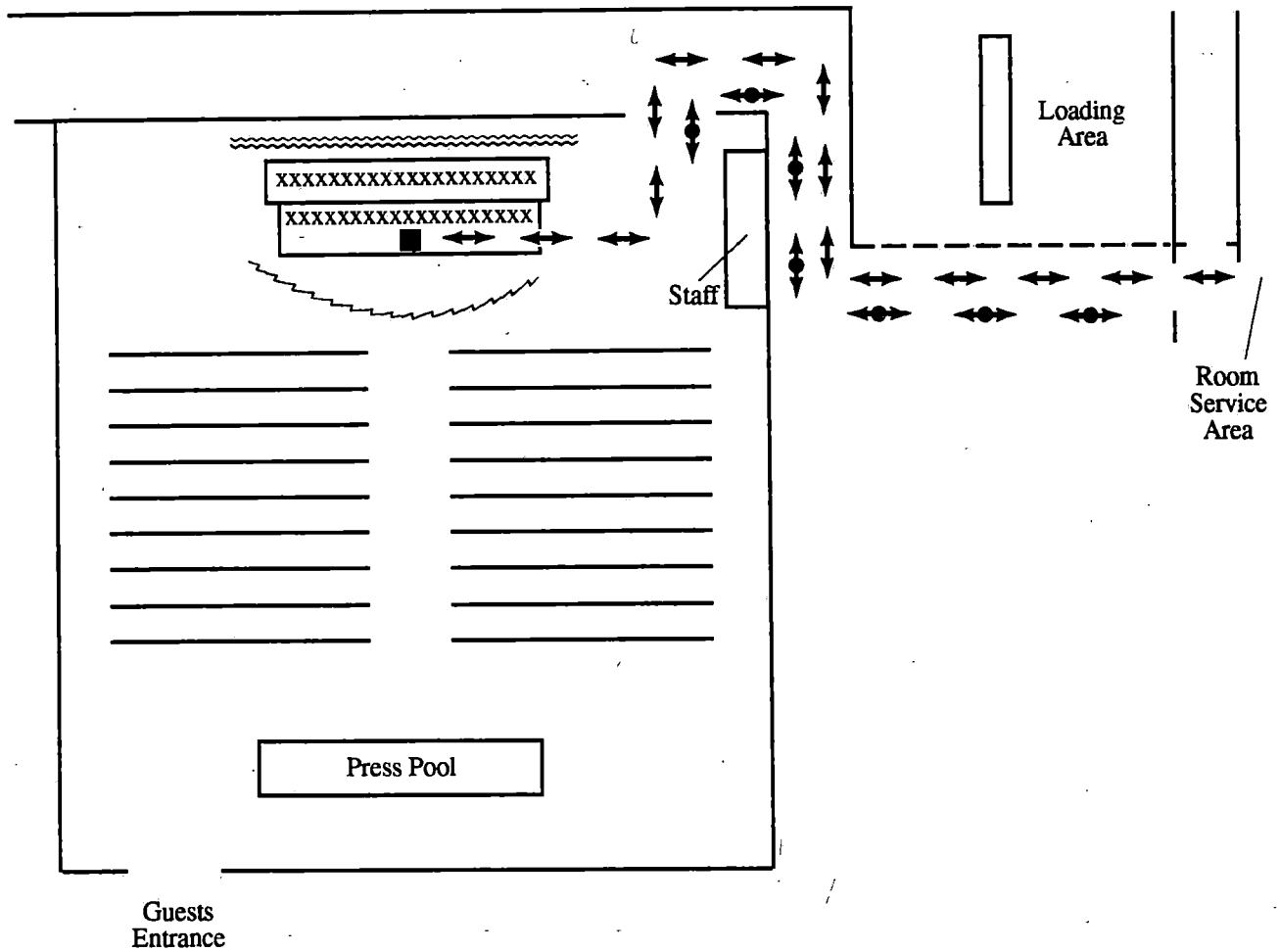
KEY:

- THE PRESIDENT
- GUESTS / STAFF
- > PRESS POOL

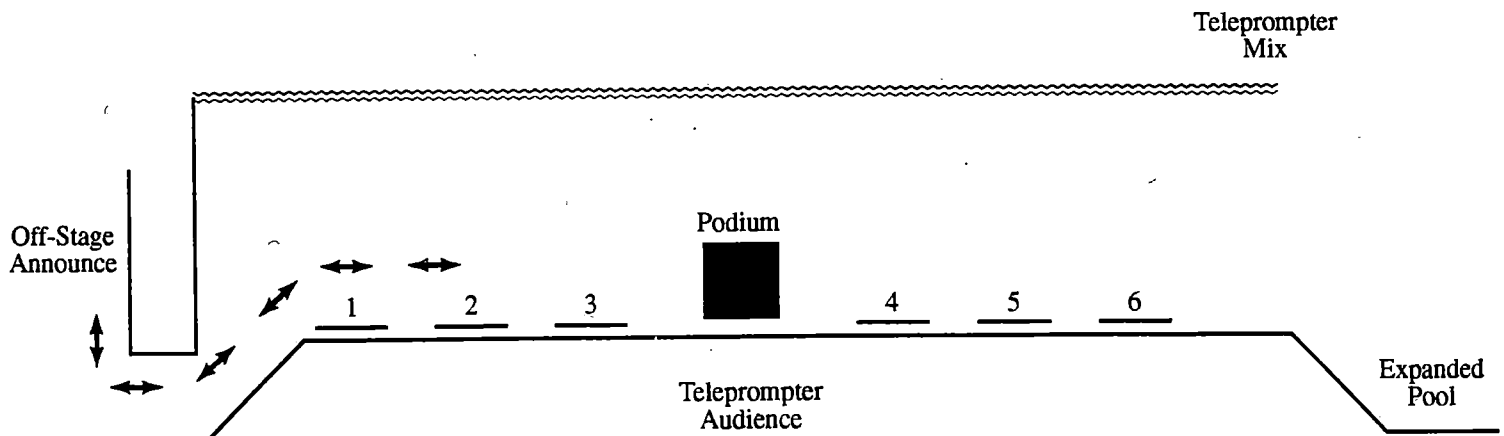
TAB G
 CHICAGO, ILLINOIS
 University of Chicago Mandel Hall
 Address National Technology Initiative Conference
 Friday, September 25, 1992



TAB I
CHICAGO, ILLINOIS
Hilton Hotel
Endorsement Address
Friday, September 25, 1992



TAB H
CHICAGO, ILLINOIS
National Technology Institute
Mandel Hall
Dais Diagram
Friday, September 25, 1992

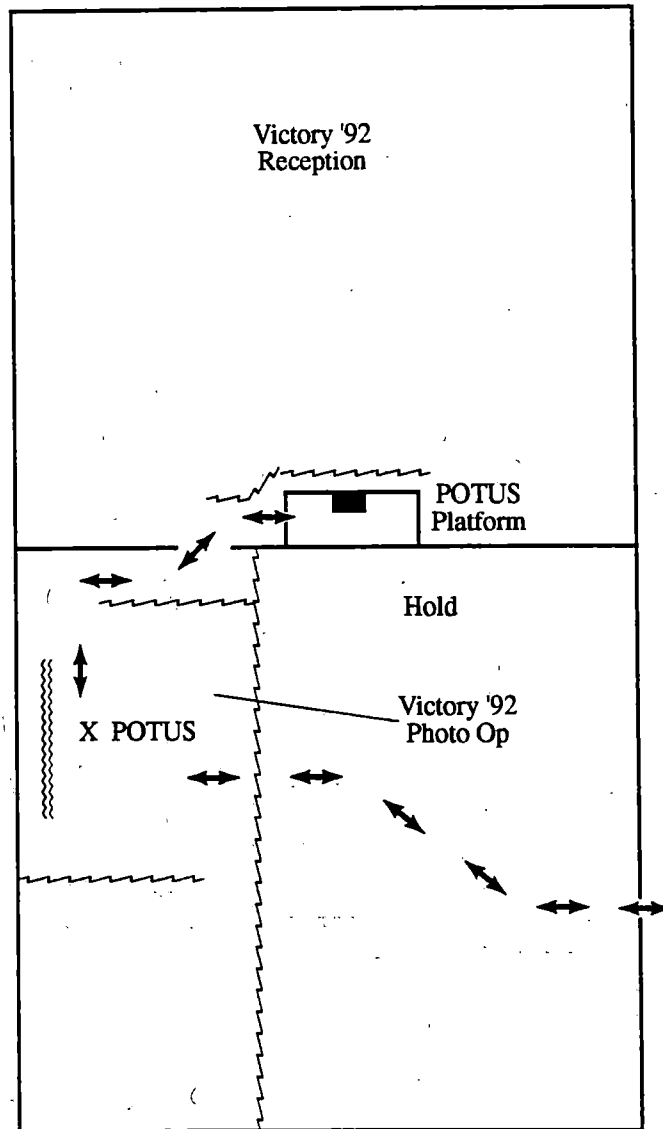


1. The Honorable Jim Edgar - Governor of Illinois
2. THE PRESIDENT
3. The Honorable Barbara H. Franklin - U.S. Secretary of Commerce
4. Admiral James Watkins - U.S. Secretary of Energy
5. Edward Lauman - Provost University Chicago
6. D. Allen Bromley - Asst. to the President & Director, Office of Science & Technology Policy, The White House

KEY:

→ THE PRESIDENT

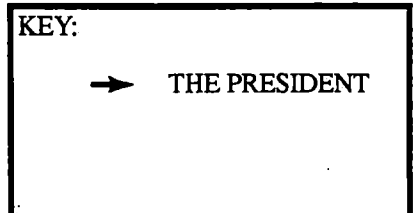
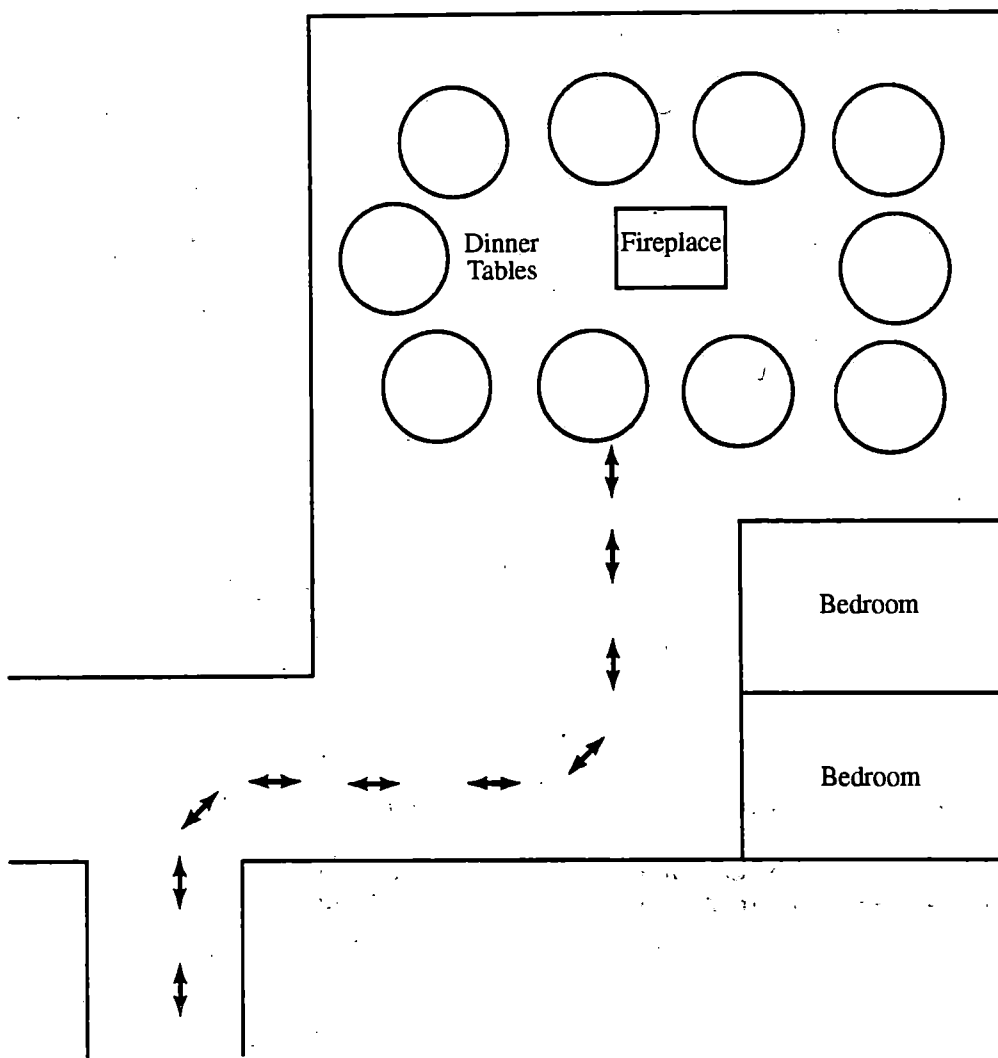
TAB J
CHICAGO, ILLINOIS
Hilton Hotel
Victory '92 Photo Op and Reception
Friday, September 25, 1992



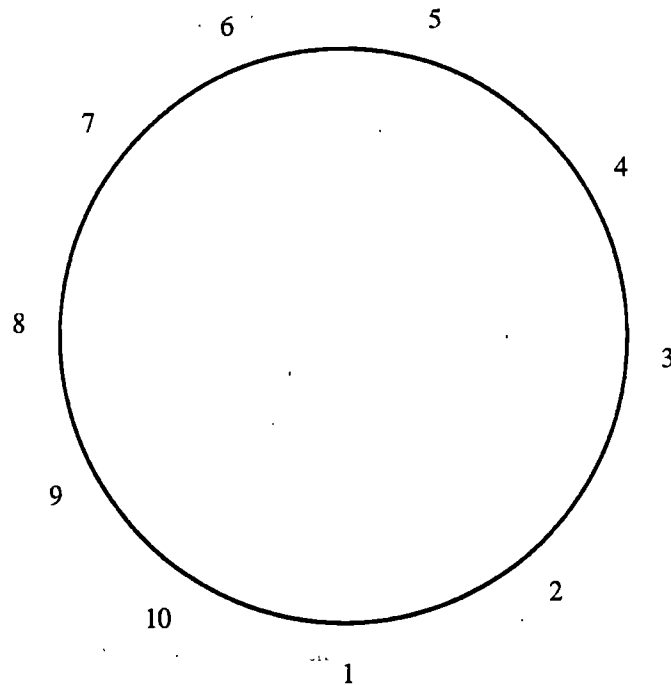
KEY:

→ THE PRESIDENT

TAB K
CHICAGO, ILLINOIS
Hilton Hotel
Presidential Trust Dinner
Friday, September 25, 1992



TAB L
CHICAGO, ILLINOIS
Hilton Hotel - Tower Suite
Presidential Trust Dinner
Table Guests
Friday, September 25, 1992



1. THE PRESIDENT
2. Mrs. A. Watson Armour (Sarah)
3. Mrs. Jim Edgar (Brenda)
4. Mr. Bill Smithburg - Quaker Oats Chairman
5. Mr. Jack Sandner - Chicago Mercantile Exchange
6. Mr. Mike Galvin
7. Mrs. Denis Healy - Chairman Turtlewax (Sondra)
8. Mrs. Patrick Ryan - (Shirley), (Chared March Event)
9. Mrs. Ron Giduitz - Helene Curtis (Christina)
10. Ambassador Bob Stuart - Host, Presidential Dinner

SCHEDULE

THE WHITE HOUSE
WASHINGTON

SCHEDULE OF THE PRESIDENT AND MRS. BUSH

FOR

COLUMBUS, OHIO

SEPTEMBER 25 - 26, 1992

EVENTS:

Columbus "Spirit of America" Send Off
Photos with Victory '92 Supporters

DRESS:

Men - Business Suit
Women - Day Dress

CONTACTS:

Office of Presidential Advance
John G. Keller, Jr. - 202/456-7565

Trip Coordinator
Paige Scheer - 202/456-7565

Columbus, Ohio Signal
- 614/864-3030
- * 96-32000

ADVANCE:

Dianne Harrison	- LEAD	Doug Rogers	- SITE
Kelley Gannon	- PRESS	Debbie Wilson	- SITE
Skip Lacey	- USSS	Susan Finkelstein	- PRESS
Wayne Justice	- MIL. AIDE		
Gordon Errington	- WHCA		

WEATHER:

Sunny/Mid 70's

SCHEDULE OF THE PRESIDENT AND MRS. BUSH

FOR

COLUMBUS, OHIO

SEPTEMBER 25 - 26, 1992

Friday, September 25, 1992

11:05 pm
(E.D.T.)

THE PRESIDENT arrives Port of Columbus
International Airport, Columbus, Ohio and boards
Motorcade.

Met by:

The Honorable Gregory S. Lashutka
Mayor of Columbus

Ms. Elizabeth A. Pappas
Member, Ohio GOP State Central Committee

Mr. Merom Brachman
Member, Ohio GOP State Central Committee

Ms. Debbie Pryce
Candidate, U.S. Representative, 15th District

Mr. Joseph W. Testa
Candidate, Franklin County Auditor

Ms. Donna Arlene Shoemaker
Candidate, Franklin County Commissioner

Mr. Mackenzie L. Milo
Coalition Director, Ohio Bush/Quayle '92

Mr. Michael F. Colley
Member, Bush/Quayle '92 National Steering
Committee

Mr. Donald E. Jakeway
Volunteer, Bush/Quayle '92

Ms. Marianne McCarty
Volunteer, Bush/Quayle '92

Ms. Patricia M. Mouser
Volunteer, Bush/Quayle '92

11:15 pm

THE PRESIDENT departs Port of Columbus
International Airport en route Sheraton
Inn Hotel.

MOTORCADE ASSIGNMENTS:

Lead	D. Harrison
Spare	B. Farish Doctor
LIMO	THE PRESIDENT
Control	D. Bates Adm. Howe Mil. Aide
Support	M. Fitzwater J. Keller Official Photographer Medic
WHCA	J. Gaughan
Camera I	J. Herrick
Camera II	
Staff Van	
Guest Van	
Press Van I	M. Busch
Press Van II	
Press Van III	

(Drive Time: 15 Minutes)

GUEST AND STAFF INSTRUCTIONS:

Upon arrival at Sheraton Inn Hotel,
Guests and Staff should proceed to assigned
rooms. Keys will be in doors.

11:30 pm

THE PRESIDENT arrives Sheraton Inn Hotel and
proceeds to Suite.

Met by:

Mr. Michael Angelisanti
General Manager, Sheraton Inn Hotel

Mr. Arthur Zehnder
Banquet Manager, Sheraton Inn Hotel

11:35 pm

THE PRESIDENT arrives Suite for RON.

NOTE: Mrs. Bush joins THE PRESIDENT at this
time.

RON Columbus, Ohio

Saturday, September 26, 1992

GUEST AND STAFF INSTRUCTIONS:

8:45 am Guests and Staff not manifested
in Secure Package should board
Vans at this time for transport
to Train Station.

9:00 am **Baggage Call.** Please place all unlocked baggage **outside** your room at this time. Baggage will be transported directly to Livonia, Michigan for Overnight.

9:10 am Guests and Staff manifested in
Secure Package should board
Motorcade at this time for
transport to Train Station.

9:20 am THE PRESIDENT and Mrs. Bush depart Suite and board Motorcade.

9:25 am THE PRESIDENT and Mrs. Bush depart Sheraton Inn
Hotel en route Old Mound Freight Yard, Train
Station.

MOTORCADE ASSIGNMENTS:

Lead D. Harrison

Spare B. Farish
Doctor

LIMO THE PRESIDENT
Mrs. Bush

Control	D. Bates
	Adm. Howe
	Mil. Aide

Support	M. Fitzwater J. Keller P. Swift Official Photographer Medic
WHCA	J. Gaughan
Camera I	J. Herrick
Press Van I	M. Busch

(Drive Time: 15 Minutes)

GUEST AND STAFF INSTRUCTIONS:

Upon arrival at Train Station, Guests and Staff will be escorted to Staff and Guest Cars for transport to Marysville, Ohio.

9:40 am THE PRESIDENT and Mrs. Bush arrive Old Mound Freight Yard, Train Station and hold briefly (in Limo).

9:45 am THE PRESIDENT and Mrs. Bush depart Limo and proceed to Off-Stage Announcement Area.

Met by:

The Honorable and Mrs. George Voinovich (Janet)
Governor of Ohio

The Honorable Greg Lashutka
Mayor of Columbus

9:50 am THE PRESIDENT and Mrs. Bush, accompanied by Governor and Mrs. Voinovich, arrive Off-Stage Announcement Area and hold briefly.

EVENT: COLUMBUS "SPIRIT OF AMERICA" SEND-OFF

OPEN PRESS

RUFFLES AND FLOURISHES

OFF-STAGE ANNOUNCEMENT

HAIL TO THE CHIEF

BRIEF REMARKS

9:52 am THE PRESIDENT and Mrs. Bush, accompanied by Governor and Mrs. Voinovich and Mayor Lashutka, are announced onto Observation Deck and remain Standing.

9:55 am THE PRESIDENT is introduced for Brief Remarks by Governor Voinovich.

9:57 am THE PRESIDENT makes Brief Remarks.

10:02 am THE PRESIDENT concludes Brief Remarks, and with Mrs. Bush, bids Farewell, departs Observation Deck and proceeds into Baltimore Car.

EVENT: PHOTOS WITH VICTORY '92 SUPPORTERS

CLOSED PRESS

10:07 pm THE PRESIDENT and Mrs. Bush arrive Baltimore Car and begin participation in Photos with Victory '92 Supporters.

10:13 pm THE PRESIDENT and Mrs. Bush conclude participation in Photos with Victory '92 Supporters and hold briefly.

NOTE: Upon Train departure, THE PRESIDENT and Mrs. Bush, will return to Observation Deck and wave farewell.

10:15 am
(E.D.T.)

THE PRESIDENT and Mrs. Bush depart Columbus, Ohio en route Marysville, Ohio.

TRAIN MANIFEST:

Baltimore	THE PRESIDENT Mrs. Bush
Selma	J. Keller J. Hooley E. Harnischfeger J. Orrison B. Wulfhorst
Zurich	Adm. Howe M. Fitzwater D. Bates B. Farish P. Swift B. Teeter M. Matalin P. Brady S. Provost R. Kaufman R. Grady N. Benson D. Valdez S. Biddle B. Thompson C. Ott Doctor Mil. Aide Medic
Greenbrier	Diner
Indiana	WHCA
Overland	WHCA
Walter Dean	Guests/VIPs and Remaining Staff

Power Car

Challenger Press Office

Portland Rose Press

City of Salina Press

Tennessee Press

Sunshine Special Press

Texas Eagle Press

Engine One

Engine Two

Engine Three

(Track Time: 45 Minutes)

THE WHITE HOUSE
WASHINGTON

VISIT OF THE PRESIDENT AND MRS. BUSH
TO
COLUMBUS, OHIO
SEPTEMBER 25 - 26, 1992

EVENT: Columbus "Spirit of America" Send-Off

DATE: Saturday, September 26, 1992

TIME: 9:52 am - 10:02 am

LOCATION: Old Mound Freight Yard

ATTENDEES: 300

PRESS: Expanded Pool

SCENARIO: THE PRESIDENT and Mrs. Bush arrive the Old Mound Freight Yard, Train Station and hold briefly in Limo. THE PRESIDENT and Mrs. Bush depart Limo and are met by: The Honorable and Mrs. George Voinovich (Janet), Governor of Ohio; and The Honorable Greg Lashutka, Mayor of Columbus. Following Greetings, THE PRESIDENT and Mrs. Bush, accompanied by Governor and Mrs. Voinovich and Mayor Lashutka, proceed to Off-Stage Announcement Area. THE PRESIDENT and Mrs. Bush arrive Off-Stage Announcement Area and hold briefly. THE PRESIDENT and Mrs. Bush, accompanied by Governor and Mrs. Voinovich and Mayor Lashutka, are announced onto Observation Deck to Full Honors played by Pickerington High School Band and Remain Standing (Enter Stage Right). THE PRESIDENT is introduced for Brief Remarks by Governor Voinovich. THE PRESIDENT makes Brief Remarks. THE PRESIDENT concludes Brief Remarks and, with Mrs. Bush, bids Farewell, departs Observation Deck and proceeds into Baltimore Car.

The backdrop is a train engine with CSX and Conrail employees standing in Uniform and a banner reading "All Aboard the Spirit of America Presidential Whistlestop Tour."

The press platform is located 50 feet from the Train at an angle. A cutaway platform is located approximately 60 feet from the Train.

THE WHITE HOUSE
WASHINGTON

VISIT OF THE PRESIDENT AND MRS. BUSH

TO

COLUMBUS, OHIO

SEPTEMBER 25 - 26, 1992

EVENT: Photos With Victory '92 Supporters

DATE: Saturday, September 26, 1992

TIME: 10:07 am - 10:13 am

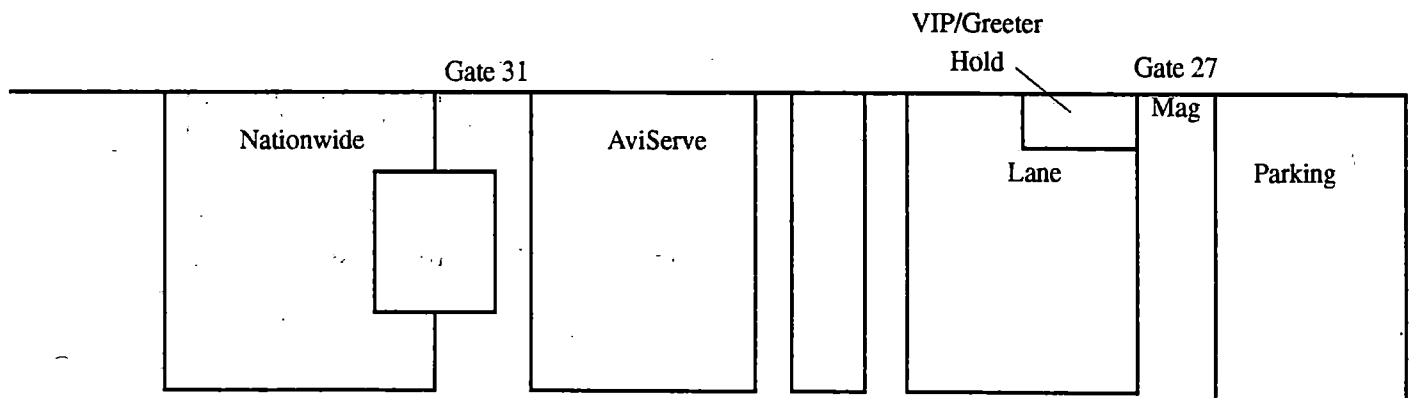
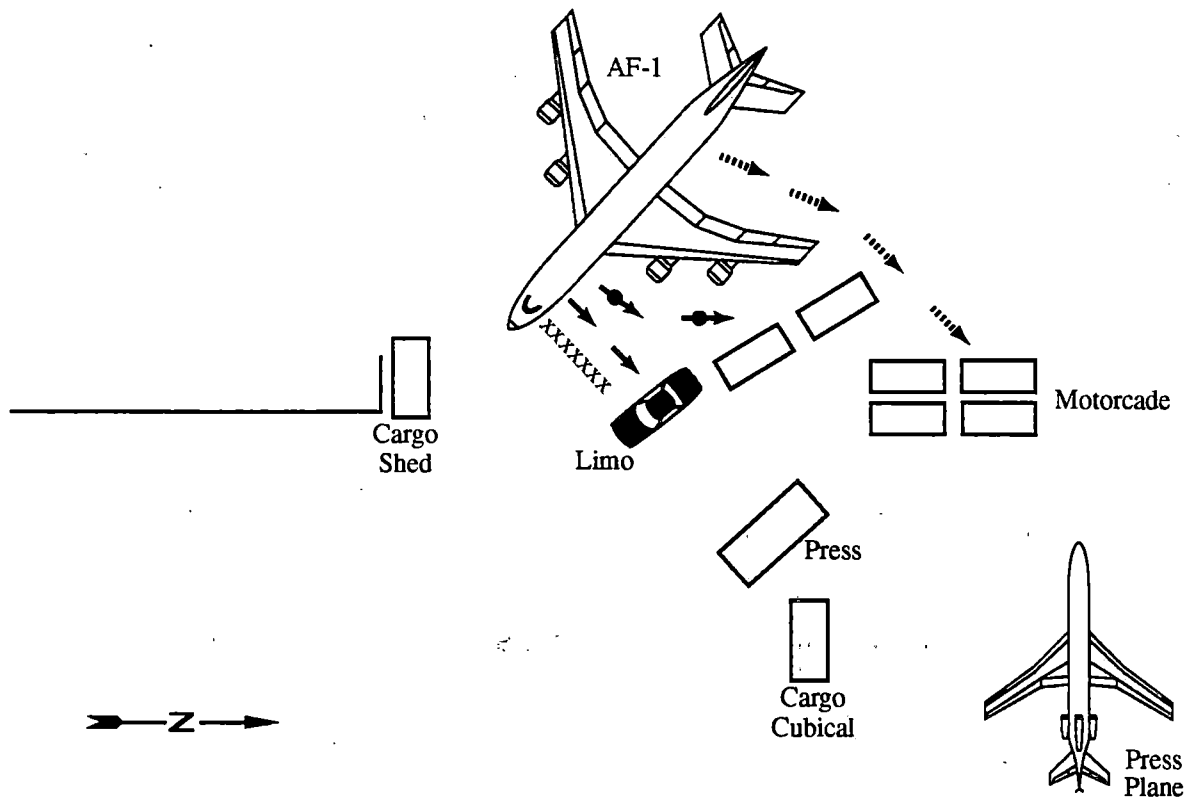
LOCATION: Baltimore Car, Old Mound Freight Yard

ATTENDEES: 20

PRESS: Closed

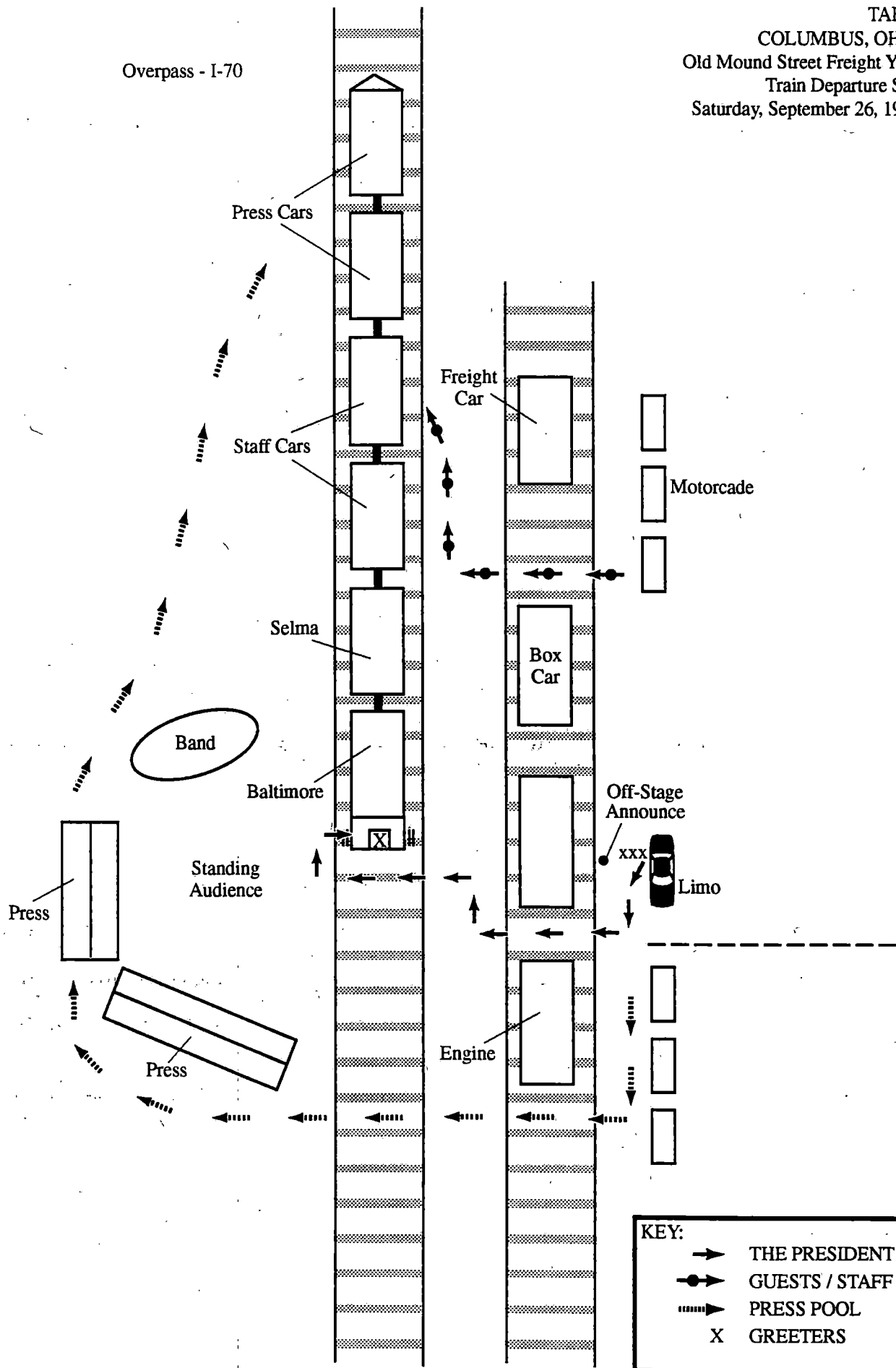
SCENARIO: THE PRESIDENT and Mrs. Bush arrive Baltimore Car and begin participation in Photos with Victory '92 Supporters. THE PRESIDENT and Mrs. Bush conclude participation in Photos with Victory '92 Supporters and hold briefly. (NOTE: Upon Train departure, THE PRESIDENT and Mrs. Bush, will return to Observation Deck and wave farewell). THE PRESIDENT and Mrs. Bush depart Columbus, Ohio en route Marysville, Ohio.

TAB A
COLUMBUS, OHIO
Port Columbus International Airport
Arrival Diagram
Friday, September 25, 1992



KEY:	
→	THE PRESIDENT
→	GUESTS / STAFF
.....→	PRESS POOL
X	GREETERS

TAB B
COLUMBUS, OHIO
Old Mound Street Freight Yard
Train Departure Site
Saturday, September 26, 1992



ROOM LIST

WHITE HOUSE ROOM LIST

FOR

COLUMBUS, OHIO

SEPTEMBER 25 - 26, 1992

OFFICE	HOTEL	ROOM	DROP
Senior Staff Office	Sheraton	294	32281
Staff Office	Sheraton	264	32220
USSS Command Post	Sheraton	364	32238
WHCA Office	Sheraton	165	32240
WHCA Comm Center	Sheraton	265	32242
Press Office	Holiday Inn	Martinique	3
Press Secretary's Office	Holiday Inn	Martinique	2
Press Advance Office	Sheraton	262	32224
Filing Center	Holiday Inn	Martinique	1
Travel Office	Holiday Inn	Martinique	3
Pantry	Sheraton	288	32307
Motorpool	Sheraton	104	32398

LAST NAME	FIRST	HOTEL	ROOM	DROP
ALTHOFF	William	Sheraton	290	
ANDERSON	Terrence	Sheraton	290	
BATES	David	Sheraton	276	32314
BAUTISTA	Manolito	Sheraton	289	32387
BENSON	Nancy	Sheraton	195	32340
BIDDLE	Susan	Sheraton	176	32338
BRADY	Phil	Sheraton	272	32347
BUSCH	Michael	Sheraton	185	32334
CAPUTO	Guy	Sheraton	186	32371
CARPENTER	Dave	Sheraton	279	32362
CHANDLER	Mary Ann	Sheraton	283	32385
CLARKE	Torie	Sheraton	187	
COLLINS	Tracey	Holiday Inn	521	
CORBIN	Tim	Sheraton	193	32394
ERRINGTON	Gordon	Sheraton	367	32298
FAMA	Joven	Sheraton	288	32307
FARISH	Bill	Sheraton	280	32325
FAULK	Suzanne	Residence Inn		
FITZWATER	Marlin	Sheraton	188	32332
FINKELSTEIN	Susan	Sheraton	334	
GANNON	Kelley	Sheraton	275	32213
GAUGHAN	John	Sheraton	281	32380
GOLDBERG	Julie	Residence Inn		
GRADY	Robert	Sheraton	190	32348
GROMIS	Leslie	Residence Inn		
HARRISON	Dianne	Sheraton	319	32210
HAWES	Tom	Sheraton	174	32299
HERRICK	John	Sheraton	271	32324

LAST NAME	FIRST	HOTEL	ROOM	DROP
HOOLEY	Jim	Sheraton	175	
HOWE	Jonathan	Sheraton	172	32315
HYDE	Kristin	Holiday Inn	612	
JUSTICE	Wayne	Sheraton	287	32381
KAUFMAN	Ron	Sheraton	189	32747
KELLER	John	Sheraton	274	32322
LACEY	Skip	Sheraton	366	32230
LAKE	Mike	Sheraton	173	
MANER	Andrew	Holiday Inn	616	
MARTIN	Seth	Residence Inn		
MATALIN	Mary	Sheraton	273	
MCQUEENY	Scott	Sheraton	181	
MILLER	Rich	Sheraton	182	32360
MOHR	Lawrence	Sheraton	278	32384
MURRAY	Daphney	Residence Inn		
OTT	Chris	Sheraton	177	
PARHAM	Laura	Holiday Inn	618	
PARKER	Lady	Sheraton	180	
PROVOST	Steve	Sheraton	192	32749
ROGERS	Doug	Sheraton	320	
RYAN	Colleen	Sheraton	194	
SANCHEZ	Godofredo	Sheraton	288	32307
SCHMIDT	Bob	Sheraton		
SCHMIDT	John	Residence Inn		
SMITH	Judy	Holiday Inn	621	
SLOANE	Jim	Sheraton	277	32365
SWIFT	Judd	Sheraton	191	32330
SWIFT	Peggy	Sheraton	285	32327
THOMPSON	Beth	Sheraton	270	
TRACEY	Andy	Sheraton	171	32393
TRIVETTE	Paula	Sheraton	170	
VALDEZ	David	Sheraton	178	32337
WILSON	Debby	Sheraton	179	
WRIGHT	Gary	Holiday Inn	622	
YOUNG	Phil	Sheraton	183	32383

HOTELS:

Sheraton Inn Columbus
 2124 South Hamilton Road
 Columbus, Ohio 43232
 (614) 861-7220

Columbus Holiday Inn at the Airport
 750 Stelzer Road
 Columbus, Ohio 43219
 (614) 237-6360

Residence Inn Columbus East
 2084 South Hamilton Road
 Columbus, Ohio 43232
 (614) 864-8844

THE WHITE HOUSE

Office of the Press Secretary
(Memphis, Tennessee)

For Immediate Release

September 22, 1992

REMARKS BY THE PRESIDENT
AT MEMPHIS WELCOME

Craigmont High School
Memphis, Tennessee

7:45 P.M. CDT

THE PRESIDENT: Thank you. (Applause.) Thank you very much. What a wonderful welcome.

AUDIENCE: Four more years! Four more years!

THE PRESIDENT: Thank you all very much. And may I salute at first Congressman Sundquist. You're lucky, you've got a great member of the United States Congress. (Applause.) And Barbara Bush off on some other part of the campaign trail sends her love to Martha Sundquist, the great wife of Don. And may I say how pleased I am to have been introduced by one of the truly great members of the Cabinet, a man who served this country with such distinction, a national leader for education, Governor Lamar Alexander. What a class act. (Applause.)

And may I thank and salute Dr. House, the Superintendent of the schools here in Memphis; Dr. Langsdon, the Shelby County GOP and B/Q -- the Bush-Quayle Chairman in '92. And may I single out Dr. Walters -- (applause) -- I didn't know kids clapped that much for a principal, but you're right, she is outstanding. (Applause.) And also Jakene Ashford, who greeted me earlier, the student body president. You've got a class-act president of this school, too. (Applause.)

You know, I left the White House at 6:40 a.m. this morning. We started out on the campaign trail in Springfield, Missouri. And this is the sixth state we've visited in just a little over 12 hours. But, you know, I can't think of a better place to finish this day than Memphis, Tennessee, home of the blues -- (applause) -- home of the wet and dry ribs, the old South and the new pyramid. And, of course, the home of Elvis himself. (Applause.) Rest assured I'm talking about Elvis Presley, not Elvis Clinton. (Applause.)

You know, for the past few weeks I've been all across America stumping for the economic ideas I believe in. We call it the Agenda for American Renewal. And I want to open new markets for American products, create jobs for American workers -- (applause) -- because -- don't listen to the other side -- Americans never retreat; we always compete and we always win. That is the American spirit. (Applause.)

If you listen to that Clinton-Gore ticket, you think everything is wrong. And this morning new figures came out. Housing starts are up, the largest increase in a year and a half. (Applause.) Inflation is under control. Interest rates remain low. And I believe the stage is set after a long, begrudging anemic growth set for an economic recovery if we make the right choices in November. I need four more years to finish the job. (Applause.)

AUDIENCE: Four more years! Four more years!

THE PRESIDENT: That's what we want.

MORE

You know, the choice before the American people is really clear: Governor Clinton has already started with is program. He wants more government and higher taxes. That is bad for America.

AUDIENCE: Boooooo!

THE PRESIDENT: And I believe in something completely different, and so does Don. I believe that government is too big and spends too much of your money, and I want to cut taxes and provide incentives to get this economy moving again. (Applause.)

You know, small business will be the horse pulling the wagon on our recovery economy. And so I want to give small businesses relief from taxation and regulation and litigation. (Applause.)

You know, parents don't coach Little League for fear, people don't -- doctors don't deliver babies for fear. Today Americans spend up to \$200 billion a year on lawyers and lawsuits. And I think it's crazy. As a nation we've got to sue each other less and care for each other more. (Applause.)

But as I -- I have one wish above all others, though, and as I look out at the young faces in this audience I think of the potential of our great country and of the challenge of our schools. And your great Governor, Lamar, puts our challenge in education this way: when the fifth graders graduate from high school they will have changed so much we will barely recognize them. But for our young people to succeed our schools will have to change so much that we barely recognize them either.

And that's why I am so excited about America 2000 movement -- the program to literally revolutionize education in this country. (Applause.) And I am excited about our new American schools, about our higher standard for students, about freeing teachers from government bureaucracy, and about giving every parent the choice to choose the best school for their child to learn in. (Applause.)

And so one of the reasons I came here to this wonderful institution is to say thanks to Memphis, because you are the big part, a major part of America 2000. You are a leader in a revolution that is changing America from the schoolyard right on up. (Applause.) And so to the parents and the teachers and the business leaders and the community activists, I say thanks for caring about the kids; thanks for being loyal to Memphis's future.

And of course, there's another reason I came here today. As one or two of you may have heard, there's an election coming up in November. And I have been traveling all across America making my case for our renewal agenda. And while I've been outlining my positive ideas for the future, Bill Clinton has been chosen to focus his energy on the past. And literally -- you go back now -- a lot of you are students about government and politics -- month after month, for the last 11 months, Governor Clinton has persisted in attacking me, distorting my record. And this week he unveiled the campaign's first negative commercial.

He's been saying, oh, wait until the Republicans go negative. It is the Clinton-Gore ticket that has aired the first national negative ads.

AUDIENCE: Booo --

THE PRESIDENT: Now, I have a confession to make. I haven't talked much about his record because I think the American people would rather hear a positive discussion about what we'll do to renew America. (Applause.) But I will also admit that I'm

MORE

a little tired of having my own record distorted, and I think it's time we don't just listen to what he says, but take a look at what Governor Clinton does. (Applause.)

And that is what I've been doing today. That's exactly what I've been doing today, from Missouri to Oklahoma to Texas to Louisiana to Mississippi, and now in the great state of Tennessee, pointing out the facts -- (applause) -- pointing out the facts, no exaggeration -- about Governor Clinton's record on economic fairness, on civil rights or lack thereof; on the environment; on health care. And over and over, you see the same pattern emerging -- Governor Clinton promises the moon to America while the sky is falling in on Arkansas. (Applause.)

And regrettably -- regrettably for the young people in that state -- the wonderful young kids across the way in Arkansas -- education is no different. In his new book, candidate Clinton says America has failed to provide its children with either the best education or adequate protection from violence. And I disagree. I am proud of what we've done to promote America 2000. (Applause.) And I am especially proud of the leadership of that great son of Tennessee, Lamar Alexander. (Applause.)

And, yes, sure, Governor Clinton -- candidate Clinton -- is critical of our record. But what has Governor Clinton done? And here are the facts. Let me give it to you. You're not going to like it, on behalf of your friends in Arkansas, but here's the record. Here are the facts, pure and simple.

During the 1980s, Arkansas fell from 47th to 48th place in percentage of adults with a high school diploma. Arkansas's rankings on its primary college entrance exam, the ACT, have declined. Twenty-eight states use the ACT as their primary college entrance test. The New York Times reported that in 1979, Arkansas ranked 20th out of those 28. In its latest ranking, it's down to 25th out of 28. While we're going up in the nation, he's going down in the state of Arkansas.

AUDIENCE: Booo.

THE PRESIDENT: And it is not fair to the young people there. It is not fair to the young families across the way. And we know that more than three-quarters of Arkansas high school graduates require remedial instruction when they get to college. Think about that. Three out of four Arkansas college students spend their first year of college relearning what they missed in high school. That is not fair to the families of Arkansas.

And when it comes to the percentage of adults with a college degree, Governor Clinton's Arkansas still ranks 50th -- 50th in the entire nation.

Now, these are facts, pure and simple. And you can see there's a grand canyon by what candidate Clinton says about improving education and what Governor Clinton has actually done.

And if you believe as I do -- if you believe education is important, I ask you to look beyond the rhetoric. Look at the record. And I have fought for higher standards. I have fought for less regulation. I have fought to reinvent our schools. And I have fought for parental choice. These ideas are not popular in all places. But if you care about education, I think you must look at the two candidates and ask yourself a simple question: When it comes to reforming our schools, which candidate will tell America what it wants to hear, and which will tell America what it needs to hear? (Applause.)

Enough talk -- enough talk of politics for the day. It's been a long, long day. It's been a wonderful day. And as

MORE :

you can imagine, campaigns can be grueling. And once in a while I'll get home, you know, after midnight, after being attacked in the press and the craziest mood I've ever seen out there. And Barbara will ask me this simple question: You know, we've got a good life; we've got a wonderful family. Why do you put up with it? And I'll tell you why I put up with it, why I want four more years: I want it for the children, for the bright-faced kids I see on their parents' shoulders at rallies all across the nation. (Applause.) For the young people right here tonight. (Applause.)

Don Sundquist tells me that there are six young people from Russia with us this evening. (Applause.) And they're part of an exchange program. And think about it. Think about how 10 years ago such a program might never be possible. Think about how five years ago, these very kids sat halfway around the world knowing nothing of our world, but fearing, as our own families, our own kids did, that the world they knew might be destroyed in a moment with the mere press of a finger on a button. Well, that terrible, awful, nightmare has receded from our children's minds. And today -- (applause) -- and today these Russian kids can join with Memphis kids and they can read stories together and play basketball and laugh at the same jokes and share the same sweet memories and think of all that has happened to make this possible.

In another time, in another age, Thomas Paine wrote these simple words: "We have the power to begin the world again." Well, we have begun our world again. And our new world is a world of hope, it's a world of promise, a world of peace, a world of unprecedented opportunity. And I want our children to realize the magic of this new world, to believe in miracles, just as we can look at our Russian friends here tonight and say "Miracles have finally come true." (Applause.)

And if we can renew the world -- and I take great pride in the fact that our administration has literally changed the world, made peace a reality and not a dream; made democracy on the march, made tranquility around the world something real and something we can touch and feel -- and if we can change the world, then I have no doubt that we can renew America. And we can strengthen our economy, we can reinvent our schools.

And there is much work to be done, and I believe I am the leader to do it. (Applause.) And that is why I am running for reelection, and that is why I ask for your support. And don't ever let the Governor from across the way convince you that we are a nation in decline. We are the most respected, freest, greatest nation on the face of the Earth, and I want to lead you for four more years. (Applause.)

Thank you, and may God bless the United States of America. Thank you very, very much. (Applause.)

END

8:02 P.M. CDT

**Illinois Department of Commerce and Community Affairs**Jan M. Grayson
DirectorJim Edgar
GovernorDennis R. Whetstone
Executive Deputy Director**TELEFAX COVER SHEET**Date: 1/23/92TO: Bob GandySENDER: S. MagisterPHONE NO: see Thel DCCA Chicago Office*****
* 5 PAGES TO FOLLOW *
* *

If any pages need to be resent,
please call the sender at the above number.
Otherwise, we will assume this
transmittal has been completely received.

620 East Adams Street
Springfield, Illinois 62701

State of Illinois Center
100 West Randolph Street, Suite 3-400
Chicago, Illinois 60601

Tourist Information Center
310 South Michigan Avenue, Suite 108
Chicago, Illinois 60604

312/782-7500
Fax: 312/785-6454

312/814-7179
Fax: 312/814-6732
Telex: 910-221-5559

312/793-2094
Fax: 312/793-1601

Jan M. Grayson
Director

Jim Edgar
Governor

Dennis R. Whetstone
Executive Deputy Director

MEMORANDUM

5 page

To: Bob Grady
From: S. Morganstein
Subject: Chief, Technology and Competitiveness
Date: Illinois Technology Initiatives
Sept. 23, 1992

This note will give you a summary of the topics we discussed on the telephone as well as some additional details on technology/competitiveness programs that were started during the Thompson administration and continued during the Edgar administration.

Apropos to the meeting at the University of Chicago, the U of C is a national leader in an innovative program aimed at getting the technology developed at universities and the national laboratories out into the commercial domain where these technologies will help make American businesses more competitive. The University of Chicago, working with ARCH (Argonne Chicago) uses graduate students to comb through technical disclosures to find inventions and processes that are worthy of commercialization. ARCH then invests private sector money to build companies around this technology. A key ingredient of this initiative is the use of the private sector market forces to commercialize the technology created and developed in academia and government. It is an example of a partnership that allows institutions and private sector organizations to exploit their core competencies to promote economic development. This program was started in March, 1986.

This model of using technology for economic growth recently received broad coverage in the Wall Street Journal (copy attached).

Illinois superconductor, an ARCH founded company recently was profiled in the Wall Street Journal. The Journal wrote about how one of the commercial uses of the technology is related to improving the way cryogenic liquids are monitored when used in conjunction with tissue samples. Another company, Nioptics, uses revolutionary optics principles to improve the lighting of laptop computer screens and certain copying machines.

A page on the National Science Foundation Centers in Illinois is attached. Note that only California has as many centers as Illinois.

Illinois is a high tech state. In 1991, 585,000 Illinoisans were employed in high tech companies...11.2 % of the total employment. Illinois is 5th in the country in the total number of people employed in these good, rewarding jobs. In electronics alone, where Illinois ranks sixth in the

620 East Adams Street
Springfield, Illinois 62701

State of Illinois Center
100 West Randolph Street, Suite 3-400
Chicago, Illinois 60601

Tourist Information Center
310 South Michigan Avenue, Suite 108
Chicago, Illinois 60604

312/782-7500
Fax: 312/785-6454

312/814-7179
Fax: 312/814-6732
Telex: 910-221-5559

312/793-2094
Fax: 312/793-1601

country, growth in the number of jobs in 1990 was 7.5%, the largest in the country.

Illinois leads the nation in the number of jobs in companies that manufacture telecommunications equipment. Employing 36,944 Illinoisans in telecommunications, Illinois is well positioned to benefit from trends in the '90's in which increased use of advanced telecommunications will be called upon to support competitiveness. Simultaneously, Illinois will benefit from environmental quality improvement by taking the work to the people and not necessarily the people to the work. of the environment.

Illinois has created several partnerships to exploit technology as a foundation for economic development. The Technology Challenge Grant program, begun during the Thompson administration funded \$44 million in projects during the last three Illinois Fiscal Years. The Technology Challenge Grant program has as its mission to help bring federal research projects to Illinois and to develop technology programs capable of commercialization. An independent review panel, organized to review the effectiveness of the program, found that for every Illinois dollar put into the program, close to 6 dollars of federal and private sector money was put to work. As an example of how a state/federal partnership can work, 66% of the funds attracted to Illinois by the Technology Challenge Grant program came from the federal government. Many of the Technology Challenge Grant projects helped get research out of the laboratory into the marketplace. Also, the program was successful in stimulating small to medium size Illinois companies to adopt technology as a vehicle to enhance their commercial competitiveness. During only the first two years of the program, 150 Illinois companies and their employees benefitted from the program.

In addition to Technology Challenge, Illinois has run several programs aimed at improving competitiveness through technology. These include a high tech incubator program in which fledgling technology based companies can be nurtured to enhance their growth during their critical start up periods, and Technology Venture Investment Program, where Illinois invests along with private sector investors in promising technology based, early stage companies. As these companies become successful, Illinois can put its investment money back to work in addition to enjoying the benefits of economic development. In addition to helping the Illinois economy through investments in technology creation, Illinois has worked hard in helping companies apply technology through the Technology Challenge Grant program (as described above) and through the Modernization and Assessment Grant Program and the Modernization and Retooling Loan program. Both of these programs put state resources to work to assist companies determine where they are with respect to technology application and further assisted with low cost loans, to implement modernization plans.

Governor Edgar has also taken the lead in organizing partnerships to define further specific opportunities for Illinois. The Task Force on Telecommunications gave the Governor a series of recommendations that are now being implemented under his leadership and he has asked for a similar

partnership to be formed to exploit the limitless opportunities of biotechnology.

Bob: I hope this is what you were looking for. If I can be of any further assistance please do not hesitate to call me at home (708-426-1018) or the office (312-814-5246) my car (708-373-5944). Also, I have a fax machine at home at (708) 426-1010 and in the office (312-814-1800). I look forward to meeting you on Friday.

Regards,

cc: Kirk Dillard
Jan Grayson
Margaret Jonas
Terri Moreland

LIST OF NATIONAL SCIENCE FOUNDATION SCIENCE AND TECHNOLOGY CENTERS**IN ILLINOIS**

(Illinois has five of the 25 centers in the country. Only California has as many)

Center for Magnetic Resonance Technology for Basic Biological Research
University of Illinois-Urbana Champaign. Dr. Paul Lauterbur
(State assisted with \$900,000)

Center for Clouds Chemistry and Climate, University of Chicago

Center for Astrophysical Research in Antarctica, University of Chicago
(State assisted with \$200,000)

Center for Superconductivity, University of Illinois, Urbana-Champaign
(State provided \$500,000 in line item funding, \$600,000 from Technology Challenge fund
and \$166,000 for metal tape project for Illinois Superconductor)
Partnership with Argonne, U of C, Northwestern.

Center for Advanced Cement Based Materials, Northwestern University
(State provided \$130,000 for small business links, and another \$250,000 for program to
to develop standards for use of super-high strength concrete)

High Performance Computing

National Center for Supercomputing Applications-University of Illinois, Urbana Champaign
(State has provided \$1 million per year in line item funding, plus two technology
challenge grants for outreach)

Engineering Research Center

Microelectronics Engineering Research Center, University of Illinois, Urbana-Champaign
(State provided building, operating costs, also \$960,000 technology challenge grant
to center to partner with Amoco on development of advanced photonics chips.)

Collegians at Federal Labs Major in Commercialization

Students Work With Small Firms That Get Fruits of Space, Military Research

By JOHN R. EMMSWILLER

Staff Reporter of THE WALL STREET JOURNAL

Some small U.S. businesses are getting high-tech help from an unlikely source—college kids.

In the past few years, several federal research laboratories have recruited business and engineering students from nearby colleges to help evaluate and find customers for technologies that they have developed. Students have been instrumental in licensing technologies or using them to launch companies in more than a dozen cases, federal laboratory officials say.

The student programs are a part of a drive to commercialize the scientific breakthroughs of the nation's 500 federal labs, which traditionally have focused on military and space research. The process got a big boost with the passage of the 1980 Technology Transfer Act and has been gaining momentum in the post-Cold War era of tightened military spending.

The targets of these marketing efforts have often been smaller companies or venture-capital funds. "Our focus is on identifying entrepreneurial opportunities," says Lawrence Udell, director of the Center For New Venture Alliance at the Hayward campus of California State University. Cal State Hayward students are working in a commercialization program with the Lawrence Livermore National Laboratory in Livermore, Calif.

Ora Smith, president of Illinois Superconductor Corp. of Evanston, Ill., says a program using University of Chicago students at the nearby Argonne National Laboratory "led to the formation of this company" three years ago. Argonne is operated for the government by the University of Chicago, and the students were working for a nonprofit university affiliate, ARCH Development Corp., that searches for commercial applications for Argonne and University of Chicago research.

Mr. Smith says that several students saw commercial possibilities in Argonne's research into the effects of extremely low temperatures on matter. Partly as a result of their efforts, ARCH created Illinois Superconductor with funding from its

own capital, private investors and the state of Illinois.

The students' initial business plan—focusing on electricity conduction—didn't pan out, says Mr. Smith. But after refinement by students and others, the company began selling a sensor for measuring the quantities of refrigerants, such as liquid nitrogen, in storage systems. Some

Not only are the students eager, but an increasing number of them have business experience. One group of collegians had each spent between six and 12 years in the job market.

Argonne technology identified by the students is used in the manufacture of this sensor.

More important, students provided much of the market research for the new device. They spent hundreds of hours "smiling and dialing," calling up possible suppliers and end users, says Mr. Smith. "That research was very important. It provided a validation that a market was there," he adds.

One student researcher, Neil Wyant, says he called dozens of potential customers, such as labs that use liquid nitrogen to store tissue samples. Mr. Wyant, now a licensing manager at ARCH, found that many facilities were still measuring the chemical with a sort of dipstick. The method was not only imprecise but it also let in unwanted heat, he says.

In another case, research by University of Tennessee students identified closely held National Tank Co. of Houston as a possible customer for a materials-extraction technology that had been developed at the Oak Ridge National Laboratory in Oak Ridge, Tenn. National Tank subsequently signed a licensing agreement and hopes to

introduce the technology to the marketplace within the next year, says John Byeseda, director of product development.

Despite some glitches in finding commercial uses for the Oak Ridge technology, National Tank is looking for more such licensing ventures. The government "spent too many years isolating researchers at the labs from the commercial sector," says Mr. Byeseda.

The U.S. still has a long way to go. Federal licensing royalties, which in 1990 totaled \$9.4 million, are less than some major universities take in from licensing faculty research, says Michael Odza, editor of Technology Access, a San Leandro, Calif., newsletter that follows technology-transfer issues.

Given an unwieldy federal contracting bureaucracy and the laboratories' "heritage of secrecy," he says, "the commercialization process makes the discovery part [of research] look easy."

That's where students come in. Not only are they eager, an increasing number of them have business experience. For example, the half dozen University of Tennessee students working at Oak Ridge have each spent somewhere between six and 12 years in the job market.

The students say they like the programs because they inject real-world research and marketing into the classroom. After weeks of research and interviews, Cal State Hayward student Christopher Epperson says he concluded that a Livermore technology using molten salts probably wasn't yet commercially viable for use in treating hazardous wastes. But in the course of the work, he "got very excited by the potential" in the waste-treatment industry generally and is even thinking of making a career in it, says the 31-year-old Mr. Epperson, who has his own computer-consulting company.

The student programs at Oak Ridge and Argonne were started several years ago. At Argonne, students generally do the work for the experience and sometimes course credit. Oak Ridge students get paid.

And, Oak Ridge says, it gets its

money's worth. With a big backlog of inventions and nearly 200 new ones coming in each year from Oak Ridge researchers, the permanent licensing staff of 20 "needs help to evaluate inventions and identify companies that might be interested in them," says Jon Soderstrom, director of technology licensing at the Martin Marietta Corp. unit that operates the lab for the government.

The Livermore-Cal State Hayward program, which began last year, has produced business plans on more than half a dozen technologies, ranging from the use of molten salts in destroying toxic wastes to a computer system that tracks a company's compliance with health and safety rules. To find potential licensees, students checked everything from computer databases to the yellow pages. Several dozen firms have been contacted, though no licensing agreements have been reached.

The potential is there, says Jack Olshansky, a general partner with Montgomery Medical Ventures, a San Francisco venture-capital fund. Mr. Olshansky recently sat through a presentation of some of the technologies by the Hayward students. While the lab-student alliance needs polishing—some of the technologies chosen seemed to be too narrow or to have too long a development time—Mr. Olshansky says it is a boon. "It offers a hell of an opportunity for American industry" he says.

THE WHITE HOUSE
WASHINGTON

DAN. McGROARTY -

ATTACHED PLEASE FIND
SOME MATERIAL FROM DOE
REGARDING THE CHICAGO
NATIONAL TECHNOLOGY INITIATIVE.
FYI...

Jim FITZGERALD
x 2800

Please deliver copy to
Bob Graden - MRG

* Good Info for Speech *



UNITED STATES DEPARTMENT OF COMMERCE
Office of the Secretary
Washington, D.C. 20230

MEMORANDUM FOR EDE HOLIDAY
ASSISTANT TO THE PRESIDENT
AND SECRETARY OF THE CABINET

FROM CAROLE TRIMBLE *CT*
COUNSELLOR TO THE SECRETARY
AND ACTING CHIEF OF STAFF

SUBJECT: CHICAGO NATIONAL TECHNOLOGY INITIATIVE

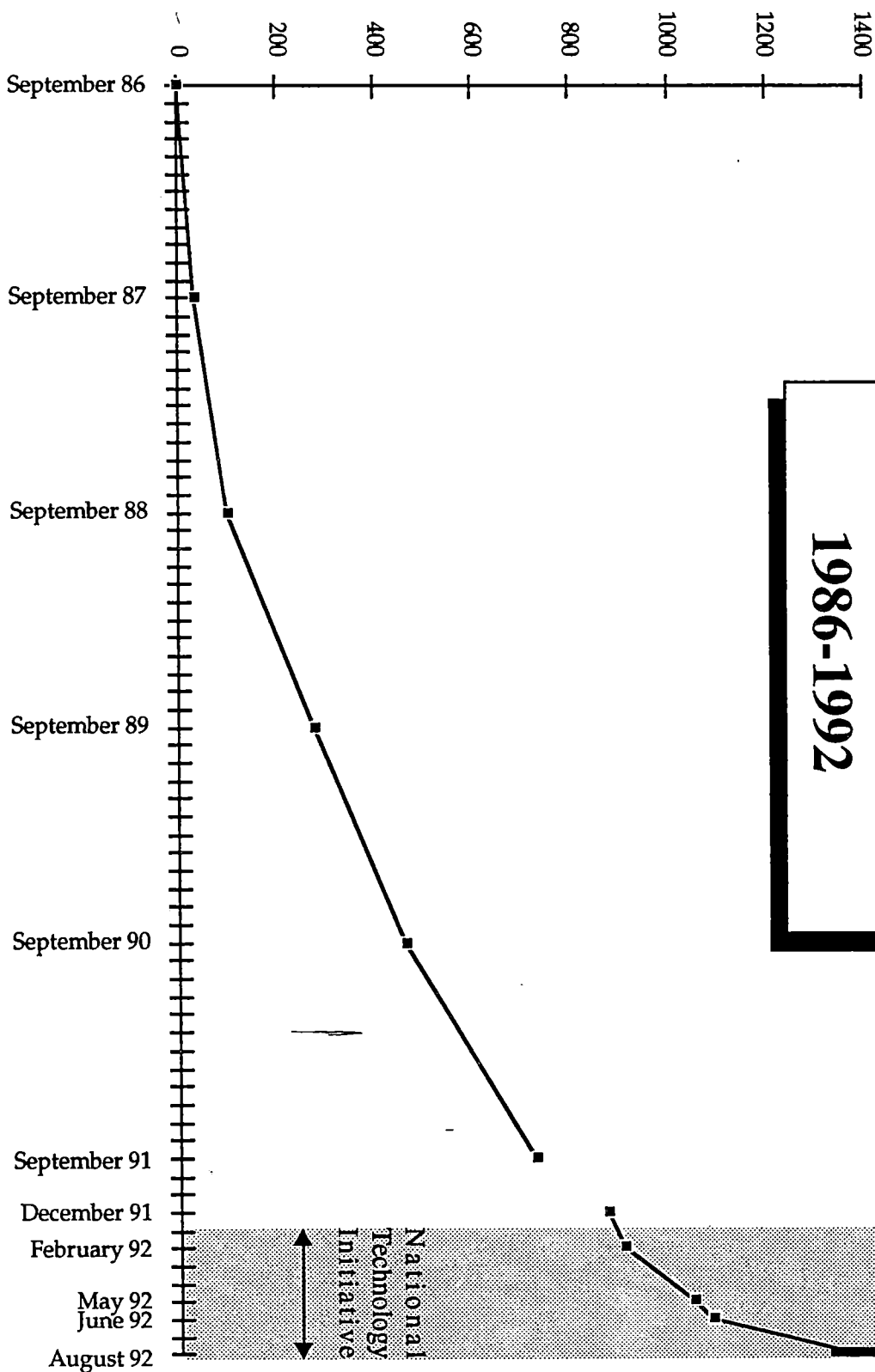
Given the strong possibility that President Bush will be attending the National Technology Initiative (NTI) conference in Chicago on September 25, I thought you might be interested in the most recent figures documenting the tremendous impact that the NTI is having on spurring a creative partnership between government and industry.

According to August 1992 figures, since President Bush launched the NTI in January, the number of Cooperative Research and Development Agreements, or "CRADAs," that federal agencies have entered into with the private sector has jumped dramatically to about 1400. This new information should be of note to media who are interested in "hard figures" to substantiate the impact of the President's "market pull" approach to technology.

As you know, the National Technology Initiative conference should provide the President with a significant opportunity to elaborate on how his policies and programs -- ranging from the Advanced Technology Program to Manufacturing Technology Centers -- promote jobs and economic growth. To date, more than 3,500 participants have attended the first 10 NTI conferences, which focus on informing businesses about the wealth of resources available in 700 federal laboratories on areas ranging from energy, environment and aerospace to biology and defense.

cc: KATHY SHANAHAN

CRADA Growth 1986-1992



NOTES: The majority of Department of Energy laboratories were not covered under the Federal Technology Transfer Act until 1989. Figures for 1986 through September 1991 reflect active CRADAs only. Figures from December 1991 through June 1992 are based on numbers for all CRADAs, active and inactive as reported by *Cooperative Technology RD&D Report*. CRADA numbers for August 1991 are all CRADAs as reported by each federal agency.



The Deputy Secretary of Energy
Washington, DC 20585

September 1, 1992

*Talk to K. Dupen -
be sure they have
S.P. for consideration*

*9/8 - NTE 16
on hold for back
Sept 25 and Oct.*

MEMORANDUM FOR EDE HOLIDAY

FROM: LINDA G. STUNTZ

Linda G. Stuntz

Attached for your information is a copy of the Monthly Summary of Major National Energy Strategy (NES) activities.

KATHY SHANAHAN

CC = Jim FITZHENRY



Department of Energy

Washington, DC 20585

August 14, 1992

MEMORANDUM FOR THE DEPUTY SECRETARY

FROM: JOHN J. EASTON

*P.B.S.
for JSE*

SUBJECT: MONTHLY SUMMARY OF MAJOR NES ACTIVITIES

EVENTS OF POTENTIAL INTEREST TO THE WHITE HOUSE:

- **Ribbon-Cutting Ceremony at the U.S. International Thermonuclear Experimental Reactor (ITER) Co-Center** — There will be a ribbon-cutting ceremony at the U.S. ITER Co-Center in San Diego, California, in later summer or early fall. Governor Wilson probably will be involved.
- **Site Dedication Ceremony for the First Atmospheric Radiation Measurement (ARM) Site** — A dedication ceremony for the first ARM site is being planned for late August or early September. This will coincide with the achievement of substantial site operations and the inauguration of ARM science education activities in Oklahoma.
- **Biobased Products Expo '92** — The Biobased Products Expo '92 will be held October 6-9 in St. Louis, MO. This event, cosponsored by DOE, DOA, DOC and EPA, will be the largest exposition and conference devoted to new industrial products made from renewable agricultural commodities.
- **Flexible-Fuel Vehicles (FFV's)** — GSA received 25 E-85 FFV's and will place these vehicles with the agencies in August. The remaining vehicles are in production and will be delivered in September. A potential Presidential event could be developed with the first E-85 vehicle being delivered to the President at a White House press conference.
- **National Technology Initiative (NTI)** — Seminars in the second round of the NTI series are scheduled for Chicago, IL on September 25 (materials and biotechnology); Palo Alto, CA on October 15 (environmental and information technology); Pittsburgh, PA on October 27 (materials and life sciences); and Baltimore, MD on December 1 (transportation and aerospace). In addition, DOE will be a partner in a series of conferences sponsored by EPA as follow-up activities to the first NTI series. The conferences will showcase existing laboratory technology and capabilities in the environmental sciences, with the goal of forming cooperative R&D agreements with U.S. industry. Conferences are scheduled for Las Vegas, NV on September 3-4; Cincinnati, OH on September 9-10; and Research Triangle Park, NC, on September 29-30.

- **Fermilab Science Education Center** — Dedication of the Fermilab Science Education Center, which will house the laboratory's precollege education programs, tentatively is scheduled for September 25. Secretary Watkins has been asked to give the keynote speech.

MAJOR ACCOMPLISHMENTS:

- **North American Free Trade Agreement (NAFTA)** — On August 12, the President announced completion of NAFTA negotiations. The Energy Chapter provides for new openings for private companies to invest in petrochemicals and electricity generation in Mexico, and in the crossborder trade in natural gas and electricity.
- **International Thermonuclear Experimental Reactor (ITER) Agreement Signed** — The U.S., European Community, Japan, and Russian Republic signed the ITER agreement on July 21, in Washington.
- **Final Rule on Royalty Relief for Stripper Wells on Federal Lands** — On August 11, the Department of the Interior's Bureau of Land Management issued a final rule on royalty rate reduction for stripper wells on Federal lands. Effective October 1, oil wells producing less than 15 barrels per day on Federal lands are eligible for reduced royalties on a sliding scale from 12.5% to 0.5% based on production.
- **FERC Issues Final Rule on Natural Gas Vehicles Jurisdiction** — On July 16, FERC issued a final rule removing impediments to the marketing of natural gas for vehicular use. This rule was one of President Bush's four initiatives, announced on March 6, to increase the utilization of natural gas.
- **FERC Votes on Rehearing of Order 636** — FERC voted on July 30 to issue a rehearing of Order 636, which implements many of the NES recommendations to reform Federal natural gas regulation.
- **Compressed Natural Gas (CNG) Vehicles** — The FY 1992 Federal procurement of 600 dedicated CNG vehicles has begun. Of the 600 vehicles to be purchased, 300 are fully operational and have been delivered to the agencies. The remaining vehicles will be fully operational by August.
- **DOE/Agency for International Development (AID) Agreements on Energy Projects in Eastern Europe** — On July 8, AID and DOE signed agreements providing DOE with \$7.85 million for continued participation in AID's Regional Energy Efficiency Project and the Krakow Clean Fossil Fuels and Energy Efficiency Project in Poland.

- **Cooperative Agreements on Gas Storage Reservoirs** — Morgantown Energy Technology Center (METC) signed a CRADA with the National Fuel Gas Supply Corporation (NFGSC) under which METC reservoir modeling tools will be applied to a NFGSC natural gas storage reservoir for horizontal well siting. The project is expected to reduce gas storage losses and increase operational efficiency.
- **Initial Performance Assessment of High-Level Repository** — On July 24, a preliminary evaluation by Sandia National Laboratories of the likely performance of the Yucca Mountain candidate site, with respect to radionuclide releases to the accessible environment over a period of 10,000 years, was released for public review. The assessment determined that the radionuclide releases are within the limits of regulatory standards, though some concerns were raised with respect to carbon-14 releases.
- **Teacher Workshop via Satellite Link** — On July 31, approximately 2,000 teachers participated in a nationwide teachers workshop at more than 150 downlink locations. The purpose of the workshop was to introduce teachers to a new resource curriculum entitled "Science, Society, and America's Nuclear Waste," which provides information about scientific and societal issues related to the management of spent nuclear fuel.
- **President Visits SSC Facilities** — On July 30, President Bush, accompanied by Deputy Secretary Stuntz, visited the SSC magnet delivery shaft, the Accelerator Systems String Test (ASST) facility and ASST Control Room, and the Magnet Double-Element Laboratory. The President spoke to approximately 2,000 employees and guests.
- **SSC Accelerator Systems String Test (ASST)** — SSC ASST magnets were successfully cooled down to liquid-helium temperatures with no difficulties. Initial tests on powering the magnet string began at the end of July.
- **International Conference on High Energy Physics** — The Superconducting Super Collider (SSC) Laboratory hosted the biennial International Conference on High Energy Physics on August 6-12, in Dallas, Texas with approximately 2000 in attendance.
- **Technology Commercialization and Space Agreements** — On July 9, Admiral Watkins and NASA Administrator Goldin signed an agreement to enhance the commercialization of technologies developed in DOE and NASA laboratories. An agreement was also signed formalizing cooperation between the agencies on energy-related civil space activities.

- **Megascience Forum** — The first meeting of the Megascience Forum was held at the Organization for Economic Cooperation and Development (OECD) in Paris on July 6. Delegations from the OECD member countries (the Russian Federation was invited as an observer) agreed on the forum's role as a source of information and forum for international discussions on megaprojects and related issues. The next meeting of the forum is scheduled for January 12-13, 1993.
- **Pre-Service Teacher Enhancement Program (PRETEP) Awards** — On July 20, DOE announced monetary awards to ten universities totalling almost \$400,000 to assist in increasing the number of pre-college math and science teachers in the U.S.
- **DOE Experimental Program to Stimulate Competitive Research (EPSCoR)** — On July 20, awards were announced in 12 states for FY 1992 EPSCoR graduate traineeship grants. More than 200 graduate students are now supported through the EPSCoR graduate traineeship program.
- **Energy Research Laboratory Technology Transfer Program (LTT) New Starts** — Thirty-one new laboratory-industry technical personnel exchanges and one additional Cooperative Research and Development Agreement were selected for funding by the LTT Program in FY 1992.
- **Nuclear Licensing Reform Regulations** — In a 6-4 decision on July 17, the full U.S. Court of Appeals for the District of Columbia Circuit upheld all parts of the 1989 Nuclear Regulatory Commission (NRC) rule for licensing nuclear powerplants (10 CFR Part 52).
- **Light-Water Actinide Recycle Research** — DOE, Argonne National Laboratory, and the Mitsui Company of Japan have signed a 3-year, \$6-million contract for light-water actinide recycle research.
- **Integrated Resource Planning (IRP)** — In response to a solicitation issued by ORNL, 45 proposals were submitted by utilities, regulators, and others to develop concepts and techniques for addressing IRP issues. Six contracts have been awarded. These projects contain matching funds ranging from 25 to 45 percent.
- **Photovoltaic Centers of Excellence** — DOE announced establishment of the first Photovoltaic Center of Excellence at the Georgia Institute of Technology in Atlanta on July 23. Establishment of another Center at the University of Delaware, located in Newark, was announced on August 12.

- **Reduce Swimming Pool Energy Costs (RSPEC!) Program** — On July 28, DOE's Institutional Conservation Program launched a nationwide educational program to help commercial swimming pool operators reduce energy costs through use of solar-based heating systems combined with energy conservation techniques. Estimates of possible savings range from 50%-90% of current costs.

MAJOR UPCOMING EVENTS:

- **National Industrial Competitiveness through Environment, Energy, and Economics (NICE³) Program Awards** — The State proposals for matching grants under the first round of joint DOE/EPA NICE³ program have been evaluated. Awards are currently under negotiation with three States and will be announced when the negotiations are complete.
- **Voluntary Residential Building Standards** — A Notice of Request for Public Comments and Announcement of Public Hearings on Draft Voluntary Interim Standards for New Non-Federal Residences will be published in the Federal Register by August 21.
- **Federal Register Notice on State Regulation of Natural Gas** — A Federal Register notice that will solicit public comment on the impact of state regulation on natural gas will be published in late August.
- **Oil Pipeline Regulatory Reform** — In connection with the White House working group strategy focusing on the regulatory reform process for oil pipelines, DOE plans to issue a Federal Register notice in mid-August, to gather information to update a 1986 DOJ Report on oil pipelines.
- **Industrial Participation in ITER** — U.S. requests for proposals soliciting industrial participation in magnet, plasma facing components, blanket, remote handling and vessel R&D for ITER have been issued. Contracts are to be awarded in all areas by October 1.
- **Energy Sciences Network (ESNet) Contract Award** — The final contract for ESNet fast packet upgrades is expected to be awarded on September 12.
- **Science and Engineering Education Programs** — DOE and NASA are cofunding the second annual PBS special on mathematics featuring Jaime Escalante, which will be broadcast in January 1993. More than 500 precollege teachers, 400 precollege students and 1,200 university undergraduate students are participating in DOE science education programs this summer.

*could
be
possible
Presidential
event?*

- **Regional Conference on Federal Research and Education Programs** — A Regional Conference on Federal Research and Education Programs will be held on August 31-September 1 in Tuscaloosa, Alabama. Other agencies, including NASA and DOD, will participate.
- **NTI Summary of Proceedings Report** — An interagency committee has been formed to draft an interim report on the first round of NTI conferences. The report is scheduled for release by the end of September.
- **Technology Transfer "Lessons Learned"** — DOE will host a technology transfer "Lessons Learned" Conference with industry at Argonne National Laboratory in October.
- **Pan-American Collaboration in Experimental Physics** — The Fifth Symposium on Pan-American Collaboration in Experimental Physics will be held on August 17-21, in Cartagena, Colombia to promote cooperation in experimental physics research throughout the Americas.
- **Roundtable with Hong Kong Electric on Cooperation on Electric Power Projects (BOTs) in the People's Republic of China (PRC)** — Under the TPCC Asia-Pacific Subcommittee, DOE and DOC will cooperate on a seminar mission to Hong Kong to meet with Hong Kong Electric and electric power officials from Guangdong Province on cooperation in Build, Own, Transfer (BOTs) power projects in the PRC. This mission, which will include interested U.S. firms, is scheduled for September 2-4.
- **Kazakhstan Oil and Gas Conference** — Agreement has been reached with the Kazakhstan government to ensure participation of top ranking Kazakhstan energy officials in a proposed Conference, tentatively set for early November.
- **Intergovernmental Panel on Climate Change (IPCC) Country Studies Workshop** — The U.S. is organizing a country studies workshop for the IPCC to be held in Berkeley, California, September 14-16.
- **Energy Technology Assessments Related to Global Climate Change Impacts** — The Energy Technology Characterization Report will be submitted for international review by September 30, 1992.
- **Oil, Hydroelectric, Natural Gas, and Coal Fuel Cycle Reports** — The oil, hydroelectric, and natural gas fuel cycle reports will be delivered to DOE for review on August 31, September 8, and September 30 respectively. ORNL is incorporating DOE comments into the coal fuel cycle report and it will be delivered to the Secretary of Energy Advisory Board (SEAB) peer

review panel in August. SEAB has tentatively scheduled a peer review panel meeting in late August.

- **Readiness Review for Exploratory Studies Facility (ESF) Site Preparation at Yucca Mountain** — In August, the ESF site preparation readiness review will begin to ensure that all regulatory, environmental, safety, and quality assurance requirements have been fulfilled for both the design package and construction procedures for the north portal, the first step in ESF construction. The design package is scheduled to be completed by the end of September and site preparation is expected to begin in November.
- **Standardized Designs** — The standard safety analysis report for the GE Simplified Boiling Water Reactor is scheduled to be submitted to the NRC on August 27. GE's final draft safety evaluation report for the Advanced Boiling Water Reactor is scheduled for September completion. The draft safety evaluation report for the Combustion Engineering's Advanced Light Water Nuclear Design Verification Program (System 80+) is scheduled to be released by the NRC on September 10.
- **National Association of State Energy Officials (NASEO) Annual Meeting** — The NASEO Annual Meeting will be held from August 31 to September 5, in Hershey, PA. The DOE Energy Innovation Award Program will be held in conjunction with this event.
- **Integrated Resource Planning (IRP)** — The Fourth NARUC-DOE National IRP Conference will be held on September 13-16, in Burlington, VT. More than 50 abstracts on IRP topics will be presented, and a panel of seven speakers will discuss the future of IRP.
- **Committee on Renewable Energy Commerce and Trade (CORECT) National Meeting** — CORECT will hold its 15th national meeting at DOE Headquarters in September. The meeting is expected to emphasize strategic planning to support industry export efforts in rapidly developing renewable energy markets in Latin America.
- **Clean Coal Technology Conference** — DOE will sponsor the first annual Clean Coal Technology Conference September 22-24 in Cleveland, Ohio. The conference will focus on regulatory, export and utility issues in addition to providing technical presentations on the projects currently active in the CCT program.

- **Advanced Oil Recovery (AOR) Demonstration Program Second Round** — On August 3, DOE announced that the second round of the AOR program will focus on shallow shelf carbonate reservoirs known to exist in 15 states. A public meeting to obtain industry input is scheduled for August 25 in Houston. The Department expects to issue a Program Opportunity Notice by October 15.

PROBLEMS/SLIPPAGES:

- **Federal Register Notice on Natural Gas Vehicle Emissions Standards** — EPA plans to publish a Federal Register notice on the proposed non-methane hydrocarbon emissions standards for natural gas vehicles are on hold pending OMB approval of the notice. They had initially planned on issuing the notice in July.
- **Proposed Rule on OCS Royalty Rate Reductions** — A proposed rule providing royalty rate reductions for marginal wells in the OCS, originally scheduled to be submitted to OMB in June, is still at MMS.
- **Federal Fleet Conversions** — The CRADA between DOE-ORNL and a major fuel supplier to convert 200 Federal vehicles at ORNL to CNG operation has been delayed to August 1992. Final arrangements of the CRADA are being negotiated.
- **Decisionmakers' Guide to Waste-to-Energy, Recycling, and Landfill** — Publication of the guide, which had been postponed until September, has been canceled due to inability to achieve interagency consensus on the issues. Another effort will be made in the future.
- **NRC Reviews of Modular High-Temperature Gas-Cooled Reactor (MHTGR) and Advanced Liquid-Metal Reactor (ALMR)** — The NRC staff has indicated they intend to delay issuing the preapplication safety evaluation report for the ALMR by 6 months and the same report for the MHTGR by more than a year.
- **Heavy Oil R&D Program** — In May, the Bartlesville Project Office issued a call for National Labs to initiate CRADAs, or other appropriate proposals, for cooperative projects with industry to develop high-efficiency processes for converting heavy crude oils to lighter refined products. The deadline for submission of proposals, initially set for August 15, has been extended to September 15 at the request of the Labs. Proposal selection is expected to be completed by early October.