

1 NATIONAL GOVERNORS' ASSOCIATION
2 2000 WINTER MEETING
3 * * *
4 PLENARY SESSION
5
6 J.W. Marriott Hotel
7 1331 Pennsylvania Avenue, N.W.
8 Ballroom
9 Washington, D. C.
10
11 Sunday, February 27, 2000
12 9:37 a.m.
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1 P R O C E E D I N G S
2 (9:37 a.m.)
3 CHAIRMAN LEAVITT: Good morning, Governors
4 and distinguished guests, ladies and gentlemen:
5 Let me begin by recognizing that we have
Page 1

6 among us a new member. I am very pleased to
7 introduce and ask you to welcome with me Governor
8 Ronnie Musgrove of the Great State of Mississippi.

9 Congratulations to you.

10 (Applause.)

11 CHAIRMAN LEAVITT: It is now my privilege
12 to call to order this the 2000 Winter Meeting of the
13 National Governors Association.

14 May I begin our meeting by receiving a
15 motion on the adoption of the Rules of Procedure for
16 this meeting?

17 GOVERNOR ENGLER: So moved.

18 CO-CHAIRMAN GLENDENNING: Second.

19 CHAIRMAN LEAVITT: Any discussion?

20 (No response.)

21 CHAIRMAN LEAVITT: All those in favor, say
22 aye.

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1 (Chorus of ayes.)

2 CHAIRMAN LEAVITT: Opposed?

3 (No response.)

4 CHAIRMAN LEAVITT: The Rules have been
5 adopted.

6 Now part of the Rules require that any
7 Governor who wants to submit a new policy or a
8 resolution for adoption at this meeting will need to
9 achieve three-quarters, or three-fourths of those who
10 are in attendance to suspend the Rules.

11 So I would ask that if you have such a
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12 resolution or any matters of business, that you
13 submit such a proposal to NGA staff by five o'clock
14 tomorrow morning.

15 May I begin today by acknowledging that
16 this is the first meeting of the National Governors
17 Association in this new Century and a new Millennium.
18 I watched on New Year's Eve, as I think all of you
19 did, as a remarkable human event took place.

20 Celebrations unfolded across every time
21 zone, one after the other, and we all celebrated it
22 together. We saw fireworks in Beijing and Paris. We

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1 saw prayers that were offered by entire island
2 populations in the South Pacific. We saw the
3 exuberance of America from Governor Pataki's Time
4 Square to Governor Davis' Golden Gate Bridge.

5 It was a sight that I don't believe
6 mankind has ever beheld before: The entire world,
7 the entire globe celebrating the same moment at the
8 same time, a single event in a similar way.

9 Now that corner has been turned. The new
10 Century is here and we are part of a world that is
11 transitioning in an unprecedented way. It is a world
12 with unprecedented reach and connectivity.

13 At the last Turn of the Century, things
14 were different. In 1900, most Americans still went
15 out into the fields to work. It was still a Nation
16 of dirt roads and kerosene lamps. The paperclip was
17 the invention of the time. The cable car was newly

18 patented, and the first transatlantic telegraph had
19 been sent.

20 One day about 100 years ago, I was
21 recently reading in my great grandfather's journal,
22 he had left his home in Utah and had traveled to

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1 Europe where he was living, had left his family in
2 Utah. He was waiting on the dock of a port in Europe
3 for a ship, as he made this journal entry, hoping
4 that the ship would contain a letter that his wife
5 and four children had written to him.

6 When the ship arrived, it in fact did have
7 the letter. It had taken over three months to travel
8 first by horse, and then by wagon, and then by train,
9 and they a long trip by boat.

10 Now you fastforward about a century. Like
11 many of you, I travel the globe as my great
12 grandfather did on trade missions. I was in Europe
13 on a trade mission. Middle of the night. I can't
14 sleep. I think to myself, if I get up right now I
15 can get on the Internet and find out what happened in
16 the Utah Jazz Playoff game.

17 So I--it was kind of a funny picture,
18 actually. My wife isn't nearly as interested in that
19 as I am.

20 (Laughter.)

21 CHAIRMAN LEAVITT: So I'm in the corner of
22 the hotel room, kind of lifting the blanket over my

1 head so as to not wake her up. The Internet boots
2 up, and I hear a familiar voice. "You've got mail!"

3 (Laughter.)

4 CHAIRMAN LEAVITT: Well I click on that
5 little red flag and up comes an e-mail just arrived
6 from my then-8-year-old son Weston. It was a very
7 direct message:

8 "Dear Dad, I just stapled my thumb. Love,
9 Weston."

10 (Laughter.)

11 CHAIRMAN LEAVITT: Now I could picture
12 Weston home in my study. My guess is he had just
13 finished drawing some pictures that he likes to
14 staple together into a book, and some incident had
15 occurred that caused him some injury.

16 I immediately e-mailed back to him my
17 condolences and something about Neosporin and a
18 bandaid, but that's the world we live in.

19 Here's a world where an 8-year-old can
20 reach across the globe in seeking a father to give
21 him some nurturing and some comfort at a time that he
22 needed it and expect that he will receive a reply.

1 The message that my grandfather waited for
2 on that dock took three months to arrive. A similar
3 message took three seconds. That's the world we live

4 in. It is a world that is no longer defined by
5 distance. No longer defined necessarily by time or
6 by place. It's a world of connectivity. It's a
7 world of bandwidth, of knowledge, of convergence, of
8 computing. It eclipses any technology that we have
9 seen advance in the past.

10 Now there are a number of other trends
11 that we will talk about during the course of this
12 meeting, all of which add up to unparalleled change.

13 We will talk today about the integration
14 of the globalization that we have all experienced and
15 the continuation of the deregulating of various
16 industries as we continue to move forward in that
17 fashion.

18 This is an economy that is now being
19 driven by ideas, and by knowledge, and by
20 productivity. It is a time when small, nimble, new
21 companies capture entire markets, and sometimes at
22 the expense of mature companies who lose them.

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1 It features enterprises who on the one
2 hand partner, and on the other hand compete. We are
3 in an era when mass production has been replaced by
4 mass customization.

5 My daughter the other day was on the
6 Internet ordering a pair of custom-fit jeans made to
7 her specifications. We all know about the capacity
8 to buy a computer online and have it delivered within
9 a day or two. "Having it your way" now means more

10 than just hamburgers. It's computers. It's jeans.
11 It's anything you want it to be.

12 I can get on the telephone, and if I have
13 trouble I can get hooked up and they can help me
14 through it.

15 Contrast that, if you will, if you're
16 trying to get a Medicaid problem solved. You get a
17 voice message that says "call between 8:00 and 5:00
18 Monday through Friday."

19 We've got some changes to make to be able
20 to adapt to this not just in the way we develop trade
21 and enterprise but the way we run government.

22 This is a world that is changing on

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1 Internet time. If there is one message that I hope
2 will come from this conference, it is that we are now
3 governing in a world that is changing on Internet
4 time. It is our responsibility as Governors to have
5 a new vision, to have new adaptability, to have new
6 models of governance and to do it fast.

7 Yesterday we released a report entitled
8 "State Strategies For The New Economy." Copies of
9 that report will be found at all of your places where
10 you sit. For those who watch us on television, they
11 can find it at www.nga.org.

12 It is an umbrella report, a large series
13 of ten reports that we will be developing on problems
14 that we collectively face as Governors, and those
15 matters that we talk about during this conference.

16 I would like to thank the Governors of the
17 Technology Task Force for their participation in
18 developing these reports. The Vice Chair of the
19 Technology Task Force, Governor Carper of Delaware;
20 Governor Siegelman, Governor Davis, Governor Ryan,
21 Shaheen, Whitman, and Taft for their assistance and
22 ongoing efforts.

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1 May I suggest that this is an historic
2 moment not because just the 21st Century, just
3 because we're talking about globalization. It was
4 pointed out to me that in 1789 the United States
5 Senate met for the first time in New York and they've
6 been meeting ever since.

7 In 1908 the Governors, collectively, met
8 together for the first time with the President of the
9 United States, Teddy Roosevelt, and we as a group
10 have been meeting routinely with the President ever
11 since.

12 But in the 224-year history of this
13 country, the Governors and the United States Senate,
14 two bodies that have a Constitutional responsibility
15 to look after the interests of States, have never
16 gathered together.

17 That will change on Tuesday. We will go
18 en masse to Capital Hill, and at the Capitol of the
19 United States, the Governors of this Country and the
20 United States Senate will convene for a discussion on
21 how we can strengthen the American State in a new

22 global economy.

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1 It will be an historic meeting. I greet
2 you all and welcome to you to this, the first meeting
3 of the new Century of NGA.

4 Now it is my privilege today to open our
5 meeting by introducing our first speaker. A couple
6 of months, or it's been about six months ago, at the
7 suggestion of a friend I picked up a book called THE
8 LEXUS AND THE OLIVE TREE by Thomas Friedman, who is a
9 columnist, a foreign policy columnist, interestingly
10 enough, of The New York Times.

11 I have to say this book had a profound
12 impact on me. In fact, a couple of months after I
13 read the book I took my entire cabinet on a retreat.
14 We go out for, as many of you do, what we call a
15 Capitol for the Day. We loaded the entire government
16 up on a bus and we headed out for parts away from the
17 capitol with each member of my cabinet armed with
18 that book, and a lengthy discussion about the global
19 economy as defined by Thomas Friedman.

20 I today look forward to you becoming
21 exposed, if you have not, to this great work and
22 definition of the environment in which we operate.

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1 One quote from the book I particularly like is that
2 "once technology has enabled change, but now it's

3 driving change" a subject we have all experienced.

4 Mr. Friedman has worked for The Times
5 since 1981. He served in Beirut and then as the
6 Bureau Chief in Israel.

7 In both 1983 and 1988 he won the Pulitzer
8 Prize for International Reporting In The Middle East.
9 In 1989 he published FROM BEIRUT TO JERUSALEM, an
10 international bestseller. And he has won several
11 other very prestigious awards.

12 Since 1989 he has served in a number of
13 capacities with The Times, including the newspaper's
14 post as the Chief Diplomatic Correspondent, Chief
15 White House Correspondent, International Economic
16 Correspondent, and currently the Foreign Affairs
17 Columnist.

18 I think you will find that he is a very
19 interesting speaker. And when he has concluded, we
20 will have some questions and answers. So I would
21 invite you to begin collecting your thoughts as we
22 proceed.

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1 Mr. Friedman, thank you for joining us.
2 We look forward to your remarks.

3 (Applause.)

4 CHAIRMAN LEAVITT: Could we have those of
5 you who are just entering the room please find a
6 place, and then we would like to close the doors, if
7 possible, so as to give Mr. Friedman our fullest
8 attention.

9 PRESENTATION OF
10 THOMAS L. FRIEDMAN
11 THOMAS FRIEDMAN: Thank you very much,
12 Governor Leavitt. It is a treat and an honor to be
13 here today.
14 I know some of you have read LEXUS AND THE
15 OLIVE TREE. Those of you who haven't, I know who you
16 are.
17 (Laughter.)
18 THOMAS FRIEDMAN: I know exactly who you
19 are, and we're going to have a little talk later.
20 I'm going to take the next 25 minutes or
21 so to talk about the general thesis of the book, and
22 then I hope we can open it up for some questions.

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1 I always begin my talk about THE LEXUS AND
2 THE OLIVE TREE by talking about my job as the Foreign
3 Affairs Columnist for The New York Times. I have the
4 best job in the world. I mean, somebody has to have
5 it. I've got it, and you don't.
6 (Laughter.)
7 THOMAS FRIEDMAN: I get to be a tourist
8 with an attitude. I get to go wherever I want, write
9 whatever I want about whatever I want. It is a
10 great, great job.
11 There is only one downside with my job. I
12 have to have attitudes twice a week. In fact, in my
13 case they have to appear every Tuesday and every
14 Friday in The New York Times.

15 Now I am actually the fifth Foreign
16 Affairs Columnist in the history of The Times. The
17 first was a woman named Anne O'Hare McCormick who
18 began in the 1930s. As her highly politically
19 incorrect obit in The New York Times says, she got
20 her start accompanying her husband who was an
21 engineer from Dayton, Ohio, on buying trips to
22 Europe.

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1 And she started stringing for The Times,
2 writing for The Times. They liked her stuff and they
3 gave her the first foreign affairs column in The New
4 York Times, actually the first column, and it was
5 called "In Europe." Because as far as The New York
6 Times was concerned in 1937, in Europe was foreign
7 affairs. Actually, the title of the column only
8 changed to Foreign Affairs in 1954 with the start of
9 the cold war.

10 Now the super story, the framework for Ann
11 O'Hare McCormick's attitudes was the crumbling of
12 Versailles Europe and World War II. Her three
13 successors had the Cold War as the framework and
14 super story within which they shaped their attitudes.

15 I began this job in January 1995 when it
16 was not clear what is the new super story or
17 framework out there. The Cold War had ended, and we
18 kept speaking about the post-Cold War world.

19 Well basically THE LEXUS AND THE OLIVE
20 TREE is my answer to what came after. It's an

21 argument that the statute of limitations on the
22 cliché to what came after. It is an argument that

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1 the statute of limitations on the cliché "The Post-
2 Cold war world" has expired.

3 We are no longer in some messy,
4 incoherent, undefinable post-cold war world. We are
5 in a new international system that has replaced the
6 cold war system, and like the cold war system this
7 new system has its own rules, and logic, and
8 pressures, and incentives that will and do affect
9 everyone's community, state, and business, and this
10 new system is called Globalization.

11 That's right. Globalization isn't a
12 trend. It's not a fad. It's not a Nintendo Game.
13 It is an international system, and it is the system
14 we are now living in.

15 Now the best way to sometimes understand
16 the Globalization system is to compare it with the
17 Cold War System. The Cold War System was
18 characterized by one overarching feature: division.
19 Division. The world was a divided place. And in
20 that system, all your threats and opportunities as a
21 country or a company tended to grow out of who you
22 were divided from.

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1 And it was symbolized by a single word:
2 The wall. The Berlin wall. The Globalization system
3 is also characterized by one overarching feature:
4 integration.

5 In this system, all your threats and
6 opportunities now flow from who you are connected to.
7 And it is symbolized by a single word: The web. The
8 worldwide web.

9 So we have gone from a world of division
10 and walls to a world of integration and webs.

11 In the Cold War we reached for the Hot
12 Line, which was a symbol that we were all divided.
13 But thank God at least two people were in charge: The
14 United States and the Soviet Union.

15 In Globalization, we reach for the
16 Internet, which is a symbol that we are all connected
17 and nobody's in charge.

18 Oh, that's right.

19 What's really scary about this system is
20 that we are all increasingly connected and nobody's
21 quite in charge. It is just like a Internet.

22 Now had the Cold War been a sport, it

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1 would have without question been Sumo wrestling. Two
2 big fat guys in a ring. Lots of grunting and ritual
3 stomping around. Not a lot of contact, though,
4 actually until the very end when one fat guy finally
5 manages to push the other fat guy out of the ring.

6 If Globalization were a sport, it would be

7 the 100-meter dash over and over and over and over
8 and over. If you lose by one-tenth of a second, it's
9 like you lost by a week and the only thing that
10 victory assures is that you get to race again the
11 next morning.

12 The Globalization System was a system
13 built around weight--sorry, the Cold War System was a
14 system built around weight. The Globalization System
15 is a system built around speed.

16 In the Cold War, the first question we
17 asked is: How big is your missile?

18 In Globalization, the first question we
19 ask is: How fast is your modem?

20 In the Cold War, the other thing we wanted
21 to know was: Who are you divided from?

22 In Globalization, the other thing we want

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1 to know is: Who are you connected to?

2 The Cold War was built around $E = MC^2$.

3 Globalization is built around Moore's Law
4 that the speed of microchips will double every 18
5 months and the price will halve.

6 Now the ideal economist for the Cold War
7 were Marx and Keynes. They wanted to tame
8 capitalism, each one in their own way.

9 The ideal economist for Globalization are
10 Schumpeter and Andy Grove, the Chairman of Intel.
11 Schumpeter because he believed that capitalism is
12 about creative destruction, the ability and

13 willingness of your country, or state, or community,
14 or business to shoot its wounded and quickly transfer
15 their dead capital to more efficient producers.

16 And Andy Grove of Intel, who took his
17 insight from Schumpeter for his book on life in
18 silicon valley entitled ONLY THE PARANOID SURVIVE.

19 (Laughter.)

20 THOMAS FRIEDMAN: Two very different
21 systems.

22 Now what truly distinguishes these two

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1 systems is how power is structured within them. The
2 Cold War System was a state-based system. What that
3 meant was that you acted on the world stage through
4 your nation state. And the front page of The New
5 York Times was a story of states balancing states,
6 confronting states, and aligning with states. It was
7 a state-based system.

8 what is unique and different about the
9 globalization system is that it isn't just built on
10 one balance between states and states; it's built on
11 three balances:

12 The first is the balance between states
13 and states. That still exists. America balancing
14 Russia. Russia balancing China. Japan balancing
15 Korea. The balance of power between states still
16 matters.

17 But now we have two new balances to factor
18 into our equation.

19 The first is the balance between states
20 and what I call the "supermarkets." The supermarkets
21 are the 25 largest global stock bond and currency
22 markets in the world which today have become

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1 increasingly autonomous, geopolitical actors
2 unmediated and in some ways superior to states.
3 Who ousted President Suharto in Indonesia?
4 It was not another superpower. It was the
5 supermarkets. The United States can destroy you
6 today by dropping bombs. The supermarkets can
7 destroy you by downgrading your bonds. Take your
8 choice. So now we have states and states, states and
9 supermarkets interacting with one another.

10 Thirdly, and most uniquely, we now have
11 states and what I like to call "super empowered
12 people."

13 See, what happens when you blow away all
14 the walls and you start to wire the world into
15 networks, it means that individuals can increasingly
16 act on the world stage unmediated by a state.

17 Jody Williams won the Nobel Peace Prize
18 two years ago for organizing a global ban on land
19 mines against the wishes of the five permanent
20 members of the U.N. Security Council.

21 She was asked afterwards, how did you do
22 that? And she had a very brief answer: E-mail. She

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1 basically used e-mail to build a coalition of more
2 than a thousand NGOs on six continents into a
3 movement powerful enough to at least trump the wishes
4 of the five permanent members of the U.N. Security
5 Council. Jody Williams was a super empowered good
6 guy, good gal.

7 Now we also saw last year another example
8 of this, two years ago. You remember
9 Time/Warner/CNN, the worlds biggest media
10 conglomerate? Published a story, aired a story on
11 CNN that American troops used poison gas during the
12 Vietnam War.

13 Remarkable story! Stunning story. And as
14 that story worked its way up the chain at CNN, it hit
15 the desk of Gen. Perry Smith, a retired general
16 living off his pension who worked for CNN as a
17 military consultant.

18 The story hit his desk and he said, 'that
19 story is bogus. That story is bogus, and if you run
20 it, I quit.'

21 And Time/Warner/CNN, the world's biggest
22 media conglomerate, said: 'Bye-bye. Bye-bye. We

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1 don't take threats from retired generals around
2 here.'

3 Perry Smith went home, got on his, what he
4 called his e-mail brain trust, 300 colonels, majors,
5 lieutenants, captains that he'd gotten to know during

6 the military.

7 In the space of I believe roughly a week,
8 through his e-mail brain trust, generals e-mailing
9 colonels, colonels e-mailing majors, majors e-mailing
10 lieutenants, he amassed a dossier so compelling, so
11 convincing that Time/Warner/CNN, the worlds biggest
12 media conglomerate, recanted its story, disavowed the
13 reporters, went on its own network, got on its knees,
14 begged for forgiveness to five generals, to five
15 retired generals with e-mail who got super
16 empowered.

17 Now there aren't only super empowered nice
18 people in this system. A year ago I was in the
19 Middle East and I flew back directly to Chicago from
20 Tel Aviv, got in early in the morning, and was so
21 sort of buzzed out I decided to go for a swim in the
22 hotel pool. I was staying in a big chain hotel.

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1 I went down, put my key in my pocket of my
2 bathing suit, went down swimming, lost my key in the
3 pool. went back to the front desk.

4 I said, "Hi, I'm Tom Friedman. I'm in
5 room 1203. I lost my key."

6 The girl said, "Show me some ID."

7 (Laughter.)

8 THOMAS FRIEDMAN: I say I'm in my bathing
9 suit. I'm dripping wet here. I don't have any ID.

10 She said, "No problem."

11 She went to her computer, pressed a few

12 buttons. She said, "What are the ages of your two
13 daughters?"

14 I had stayed in the hotel a year earlier.
15 Well, I gave her their ages. She gave me my key.
16 But I couldn't help but wonder what else did she have
17 in that little computer of hers?

18 (Laughter.)

19 THOMAS FRIEDMAN: This system super
20 empowers all kind of people, and the real threat in
21 the system is not Big Brother, it's Little Brother.
22 Because so many little brothers from this hotel

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1 you're staying in, to Blockbuster Video, to your
2 favorite e-commerce web site, to Doubleclick, can
3 gather information on you in ways that Big Brother
4 would only have been jealous of ten years ago.

5 So Little Brother really gets super
6 empowered.

7 Now we also have super empowered angry men
8 and women in this system. Osama Bin Laden, the Saudi
9 millionaire who bankrolled the blowing up of two
10 American Embassies in East Africa last year, he was a
11 super empowered angry man. And he had his own global
12 network, a kind of jihad on line JOL, which he used
13 to take on the United States of America.

14 And you know what we did to Osama Bin
15 Laden? I have no regrets about this, but you know
16 what we did to him? We fired 75 cruise missiles at
17 him. Think about that for a second. We fired 75

18 cruise missiles at a million dollars apiece at a
19 person. That was a super power against a super
20 empowered angry man.

21 Ramzi Yousef, you remember him, he was the
22 gentleman who tried to blow up the two tallest

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1 buildings in America five years ago, the World Trade
2 Center in New York City. I always wondered, what did
3 Ramzi Yousef want? Did he want a Palestinian State
4 in Brooklyn? Did he want an Islamic Republic in New
5 Jersey? What did he want?

6 So for my book I went back to the court
7 case and read what he wanted. And what he wanted was
8 to blow up the two tallest buildings in America.

9 (Laughter.)

10 THOMAS FRIEDMAN: Period. Paragraph.
11 End. Globalization as Americanization had gotten in
12 his face and it had empowered him as an individual to
13 do something about it.

14 And the only reason we got Ramzi Yousef,
15 the only reason, was because remarkably one of his
16 co-conspirators went back to the Ryder Rental Truck
17 Agency and asked for the \$400 deposit back on the
18 truck they used to blow up the World Trade Center.
19 which itself is a wonderful story:

20 In the morning you blow up the World Trade
21 Center on the basis of your rage with America, and in
22 the afternoon you try to use American contract law to

1 get your deposit back.

2 (Laughter.)

3 THOMAS FRIEDMAN: Now that tipped off the
4 FBI to Ramzi Yousef. They tracked him to an
5 apartment in the Philippines. They broke in, and
6 they found all of his plots exactly where he kept
7 them, on the C drive of his Toshiba Laptop.

8 Ramzi Yousef was a super empowered angry
9 man. And what makes this system so complex to both
10 understand and to manage is the fact that today we
11 have states and states, states and supermarkets, and
12 states and super empowered individuals all
13 interacting with one another.

14 Now if my girls were here, the next
15 question they would ask is: Daddy, where did
16 globalization come from?

17 Another way of asking that question is:
18 what blew away all the walls? Where did they go?

19 Well the argument I make in LEXUS is that
20 what blew away all the walls were three simultaneous,
21 I call them democratizations that were born in the
22 Cold war system, gathered strength in that system,

1 and finally converged at the end of the 1980s into a
2 whirlwind that blew away all the walls.

3 Let me go through them quickly. The first

4 was the democratization of finance. I don't have to
5 tell the people around this table that there is
6 probably nothing more anti-democratic in America in
7 the 1950s than bank lending.

8 You wanted to get financed by bank lending
9 to start a business, you needed to know somebody.
10 You needed to have an in at the bank. Well thanks to
11 the creation of a home mortgage security market, a
12 commercial paper market, Michael Milken's junk bond
13 market, right up to last year David Bowie the rock
14 star issued \$55 million in David Bowie Bonds.

15 (Laughter.)

16 THOMAS FRIEDMAN: Yes, you too now can be
17 rated AAA.

18 Finance and pension investing has
19 increasingly been democratized in this country. I
20 dare say my dad probably had no idea where his
21 pension resided.

22 We, so many of us now, can move ours

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1 around from Magellan Small Cap to Fidelity Large Cap
2 to Janus Overseas three times a week on the basis of
3 who is performing the best.

4 If you want to see a great example of the
5 democratization of finance, notice the E-Trade
6 commercial that they've been running recently. It's
7 a great commercial.

8 It shows this guy driving in his
9 convertible with his golf clubs sticking out the

10 backseat, and a motorcycle cop pulls him over and
11 says:
12 Let's see your ID.
13 The guy shows him his ID.
14 He says, Jerry Jones? You're the manager
15 of my Midcap Mutual Fund.
16 The guys says, as a matter of fact I am.
17 He says, you were in the Top Ten Mutual
18 Fund Managers last year.
19 The guys says, as a matter of fact, I was.
20 The copy says, but you weren't in the top
21 five.
22 (Laughter.)

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1 THOMAS FRIEDMAN: So let's get back to
2 work.
3 And the last scene in the commercial is
4 the cop carrying away his golf clubs.
5 (Laughter.)
6 THOMAS FRIEDMAN: And what that commercial
7 is telling you, though, is that even the cop on the
8 beat today is invested in the market and is tracking
9 the performance of his money manager:
10 democratization of finance.
11 The second democratization is the
12 democratization of technology. Thanks to home
13 computers, the computer chip, and the phenomenon
14 known as digitization, the alchemy by which we take
15 words, and music, and data and turn them into 1s and

16 0s and transmit them over modems and they come out
17 the other end as perfect copies of those words,
18 music, and data.

19 Thanks to digitization and the PC,
20 technology has increasingly been democratized.

21 The third democratization is the
22 democratization of information. Thanks to

□

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1 satellites, cellphones, and fiber optics, we all
2 increasingly know how each other lives.

3 The days when the Soviet Newspaper Pravda
4 could run a picture of Americans waiting outside of
5 Zabar's Delicatessen at 7:00 a.m. on a Saturday
6 morning for the deli to open under the headline,
7 "Look, bread lines in America, too!"

8 (Laughter.)

9 THOMAS FRIEDMAN: Those days are over,
10 folks. Don't try that trick at home, kids. Not in
11 this system.

12 I had a fascinating illustration of this a
13 couple of months ago. I was in Sri Lanka for an AID
14 Conference, and on the panel with me was the former
15 President of Costa Rica, Jos Maria Figueres, and he
16 gave the most incredible Power Point presentation to
17 a group of 500 Indian, Pakistani, Bangladeshi,
18 Bhutanese, and Nepalese business people in Southeast
19 Asia.

20 It was just incredibly impressive about
21 how he had gotten Intel to come to Costa Rica, and

22 how he had wired every high school there.

□

32

1 well afterwards, three out of I think the
2 first four questioners got up and said: would you
3 run for president in my country?

4 One guy stood up and said: I will pay
5 your salary if you will run for president in my
6 country.

7 what that is about, what that is about is
8 about the most under-estimated fact in international
9 relations today: what happens when we all start to
10 know how each other lives. Because when we all start
11 to know how each other lives, we all start to demand
12 the same things.

13 Ask the Iranian Mullahs this morning about
14 what the democratization of information means for
15 their recent election.

16 Now these three democratizations of
17 information, technology, and finance basically
18 converged at the end of the 1980s into what we now
19 call the Information Revolution and blew away all the
20 walls, or increasingly blew away the walls.

21 when they did, several things happened.
22 They created a whole new place to do business called

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33

1 cyberspace, and they created a whole new set of
2 efficiencies in the marketplace and economies of

3 scale.

4 If your company, your country, your state
5 government, your local government, your university
6 understood these three democratizations of
7 information, finance, and technology, absorbed them
8 and applied them to your way of life or business, you
9 thrived in the new era without walls.

10 If you didn't, the Berlin wall fell on
11 you.

12 Oh, that's right. The fall of the Berlin
13 wall was not a European event, not even close. It
14 was a global event. Any fat, bloated, sclerotic,
15 overweight country or company, or state government or
16 local government, that didn't absorb these three
17 democratizations had the Berlin wall fall on it,
18 which is why it is no accident that the Soviet Union,
19 General Motors, East Germany, and IBM all basically
20 tanked at the same time.

21 They all basically got hit with the same
22 historical forces. Some like IBM and GM adjusted.

□

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1 Others like East Germany and the Soviet Union
2 couldn't, and the Berlin wall fell on them.

3 Now when the walls fell, the guts of this
4 new system we are in today got created. There are
5 four key parts, and I will go through them quickly.

6 The first is what happens when the walls
7 fall and the barriers to entry around everyone's
8 state, or everyone's company start to shrink, be

9 reduced, or in some cases collapse.

10 Now when the walls fall, what that means
11 in simple economic terms is that the speed at which
12 you start to move from innovation to commoditization,
13 the speed at which you move from having a high value-
14 added product or service protected by high barriers
15 to entry, to having that turned into a commodity that
16 anyone can make and the only differentiation is
17 price, the speed at which you move from innovation to
18 commoditization goes from 10 miles an hour in a world
19 of walls to 110 miles an hour in a world without
20 walls.

21 And fasten your seatbelts and put your
22 seatbacks and tray tables into a fixed upright

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35

1 position because with the Internet that's going to go
2 to 210 miles an hour very quickly, and all you have
3 to watch is how companies are created and destroyed
4 on the Internet with that speed to understand where
5 we're going.

6 Do you all know how Compaq Computer
7 really, really took off? It was back in the mid-
8 1980s. Intel came out with something called the 386
9 Chip which was faster than the 286 Chip.

10 They came to their biggest customer, IBM,
11 Big Blue, lived in a world of walls. Nobody can
12 threaten us.

13 They said, "We've got the 386 Chip. Run
14 with it."

15 IBM said, "You know, we just came out with
16 the AT."

17 Remember the IBM AT? It stood for
18 Advanced Technology. They thought you buy an AT you
19 won't have to get a new computer for five years. We
20 were saving the 386 for our new system, the PS/2, so
21 we'll take a pass on the 386 right now.

22 A little company down in Houston called

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1 Compaq, spelled their name funny, had a "q" on the
2 end, said, "we'll take that 386 chip."

3 And in 24 months they ate IBM's lunch in
4 the PC business. They caught IBM with its walls
5 down. The walls were down and the paradigm had
6 shifted.

7 Now the best way I can illustrate this
8 phenomena to you, what happens when the walls fall
9 and we all start to enter each other's business, is
10 an ad I came across in an airline magazine a couple
11 of years ago for the Sony Mavica Camera. I love this
12 ad. It has three pictures in it.

13 The first is of the Sony Mavica Camera. I
14 saw that and I saw that and I said "Sony Mavica
15 Camera?" I didn't know Sony made cameras. I thought
16 they made stereos and walkmen and CDs.

17 Well it's an interesting ad. As I said,
18 it has three pictures. The first is of the Sony
19 Mavica Camera. Under it, it says "This is your
20 camera."

21 Next to it is a 3.5 floppy disk. Under it
22 it says, "This is your film."

□

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1 Next to that is a computer with a baby
2 picture. Under it it says, "This is your post
3 office."

4 Now what is that ad telling us?

5 The first thing it's telling us is someone
6 back at Sony Headquarters in Tokyo woke up one
7 morning and said: what are we? I mean, what are we?
8 we're just a big factory for digitizing stuff. But
9 the truth is, although we've been digitizing music
10 all these years, we can actually digitize anything.
11 we can digitize your baby pictures. We can be Kodak.

12 So Sony woke up one morning and decided to
13 be Sony and to be Kodak.

14 Then somebody down in shipping and
15 receiving said: You know, while we're being Sony and
16 Kodak, why don't we also transmit those pictures
17 around the world from your kids in Auckland to
18 Alabama, why don't we also be Federal Express?

19 That ad says: We are now Sony, we are now
20 Kodak, and by the way we'll also be a little Federal
21 Express.

22 I saw that ad and I thought, wow, what do

□

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1 the people at Kodak think about this? So I'm driving
2 in my car one day, I'm listening to my radio and I
3 hear this ad for Kodak. They're advertising all
4 their computer Internet online services. They're
5 talking like a PC company.

6 So for the book I go down to Houston to
7 interview the people at Compaq Computer and I'm
8 wondering while I'm down there, you know, how did
9 they fell about Kodak becoming like a PC company?

10 well at Compaq they're not worried about
11 Kodak, they say we're like a big consulting company
12 now at Compaq. We do business solutions. Yeah, look
13 at our ads. We barely show pictures of the computers
14 anymore. They just say: Compaq. Better answers.

15 Oh, you do business solutions.

16 So a couple of weeks later I'm out with a
17 friend of mine who works for Price-Waterhouse-
18 Coopers, the business solutions people. I ask him
19 how he feels about Compaq going into the business
20 solutions business. He says: we're not worried
21 about Compaq, but we're terrified of Goldman Sachs
22 because they're now offering tax solutions in

□

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1 derivatives.

2 He suggests I read a book about it. I go
3 home, tell my wife I'm going to Borders Books. She
4 says: Don't go to Borders. Go to Borderless Books
5 at Amazon.com.

6 So I go downstairs, I call up Amazon.com.

7 what's the first thing I see but they're now selling
8 CDs. I say: Wait a minute. Wasn't that Sony's
9 business?

10 (Laughter.)

11 THOMAS FRIEDMAN: When the walls fall, we
12 are all in each other's business.

13 I told this story actually to the
14 booksellers Farrar, Strauss & Jerume, my publisher.
15 A guy raised his hand, Mark Gates, Chief Farrar,
16 Strauss bookseller in the Midwest. He says: Mr.
17 Friedman, I've got to tell you a story.

18 I was just in Brooks Brothers Department
19 Store looking to buy a mens suit in the Mens Suit
20 Department. What did I see? They're selling copies
21 of Michael Jordan's new book on a stack of mens suits
22 for 30 percent off.

□

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1 I go up to the head of the Mens Suit
2 Department. I say: How would you like it if I sold
3 mens suits in my book stores?

4 (Laughter.)

5 THOMAS FRIEDMAN: He said: Have you
6 looked at your Con Edison Electric Bill lately? Con
7 Edison is offering the Jordan book for 40 percent off
8 for Christmas and you can now charge it on your
9 electric bill.

10 (Laughter.)

11 THOMAS FRIEDMAN: When the walls fall, we
12 are all in each others business.

13 There is a wonderful headline in The New
14 York Times business section a couple of weeks ago
15 about AT&T. It said: AT&T, Ma Everything.

16 (Laughter.)

17 THOMAS FRIEDMAN: Ma Everything. And
18 everyone today is becoming Ma Everything, and that
19 really drives that move from innovation to
20 commodatization.

21 I was at the Davless World Economic Forum
22 a couple of years ago and there was a press breakfast

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1 with Bill Gates, and all the reporters there were
2 asking him:

3 Mr. Gates, these Internet stocks, they're
4 a bubble, aren't they? I mean, come on. They're a
5 bubble, right? I mean surely they're a bubble.

6 Finally he said: Look, you bozos, of
7 course they're a bubble. Anyone who knows anything
8 about technology knows that you can't predict the
9 present value of future earnings ten years out in the
10 technology business. I don't know if Microsoft is
11 going to be here in four years. You're telling me
12 Amazon.com does?

13 But, says Mr. Gates, you're all missing
14 the point. Because this bubble is going to drive
15 innovation faster and faster.

16 Ooooh. Same day, by coincidence in the
17 afternoon I went to interview Hosni Mubarak of Egypt.
18 Afterwards I was sitting around with some Egyptian

19 businessmen friends talking about what their
20 President had to say, and one of them was my friend
21 Emad. He runs kind of the Egyptian Businessweek.
22 He said: Mr. Tom, we understand now.

□

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1 we've got to get on this globalization train. But
2 could you slow it down a little bit for us?
3 (Laughter.)
4 THOMAS FRIEDMAN: I said: Emad, I'd love
5 to slow it down but there's nobody driving.
6 (Laughter.)
7 THOMAS FRIEDMAN: You find me the person
8 driving, and I will slow it down. 90 percent of this
9 is about technology. And everyone is always looking
10 for somebody to call, somebody to slow it down. 911
11 slow down globalization. 1-800-give-me-a-break.
12 I always like to tell people--and don't
13 let this out of this room--
14 (Laughter.)
15 THOMAS FRIEDMAN: --I was in Secretary of
16 the Treasury Robert Rubin once and he doesn't have a
17 phone on his desk because he knew better than anybody
18 there's nobody to call.
19 (Laughter.)
20 THOMAS FRIEDMAN: There's nobody to call.
21 Oh, you can waste a lot of time in this
22 system looking for somebody to call.

□

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1 (Laughter.)
2 THOMAS FRIEDMAN: We had a receptionist at
3 the Washington Bureau of The New York Times a few
4 years ago. She lost her job one day all of a sudden.
5 She didn't lose it to a Mexican. She lost it to a
6 microchip.
7 We got voice mail. She lost her job.
8 Now we can get her her job back. It's
9 very simple. We just break apart that phone and take
10 the microchip out. But the real truth is, she was
11 going to lose her job if we had zero trade with
12 Mexico.
13 She was going to love her job if we had a
14 50-foot high wall from San Diego to the Florida Keys.
15 This is 90 percent about technology.
16 So that is the first part of this system:
17 what happens when the walls fall. Let me go quickly
18 through the other three parts.
19 The second part is a new political garment
20 that everyone has to put on, every country who joins
21 the Globalization System, and I dare say every
22 Governor.

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1 I call this new garment of the
2 Globalization Era the Golden Straitjacket. The
3 Golden Straitjacket. And I think I see 51 versions
4 of it right around this table.

5 The Golden Straitjacket embodies all the

6 rules of the Golden Straitjacket System, rules about
7 deficit to GDP ratios, inflation, deregulation,
8 privatization. When your country puts on the Golden
9 Straitjacket to join the Golden Straitjacket System,
10 two things happen:

11 One is your economy tends to grow from
12 more privatization, deregulation, foreign trade, and
13 investment, your economy grows and your politics
14 shrink. Your economy grows, and your political
15 choices narrow to Pepsi or Coke. To mere nuances of
16 taste that are tolerated in the Golden Straitjacket.
17 All one has to do is look at the national campaigns
18 in this country and in so many others to see what's
19 happened on economic issues to the differences
20 between ruling and opposition parties.

21 Margaret Thatcher was the original
22 seamstress of the Golden Straitjacket with buttons

□

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1 and tailoring provided by Ronald Reagan. Before this
2 is over, this period is over, Margaret Thatcher will
3 go down I believe as one of the, for better or for
4 worse, truly revolutionary figures of the last
5 Century for having put in place this Golden
6 Straitjacket.

7 The third part of this new system is a new
8 energy source. I call that energy source the
9 Electronic Herd. The Electronic Herd are all those
10 investors out there from John and Joan at Home
11 Trading Online to the big multinational banks and

12 conglomerates.

13 Oh, this Herd existed in the Cold War, but
14 that world was so chopped up and divided that Herd
15 could never gather and graze and grow and gain
16 strength. But today with the walls blown away, that
17 Herd, the Electronic Herd of investors, is the energy
18 source of this new system with governments
19 increasingly running balanced budgets in the Golden
20 Straitjacket.

21 If you want to build a dam, you want to
22 attract a new factory, you have got to attract the

□

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1 Electronic Herd. And I dare say that must be
2 something a lot of you spend time doing, saying to
3 the Electronic Herd, come hither. Come hither.

4 Governors today, to me, are really the
5 rulers of the hour on the world stage. Because
6 really what the job involves as a Governor is so much
7 what it means to be a leader. Yeah, the Governor
8 gets to call up the National Guard every once in
9 awhile, and the President gets to send troops
10 somewhere every once in awhile, but most of the time
11 today is spent managing the relationship between my
12 state and the Herd.

13 The Herd is like a high-voltage wire.
14 Plug into it right, it'll light up your state. Plug
15 into it wrong and it'll burn a hole through your
16 environment and your financial system faster than
17 anything we've ever seen in the history of the world.

18 And that leads to the fourth part of this
19 system:

20 How do I manage my relationship between my
21 state and the Herd? That is really what politics is
22 about now in so many ways.

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1 Now I like to compare countries to
2 computers. It is as though for the first time in the
3 history of the world we all have the same basic
4 computer. We all have the same basic piece of
5 hardware. The same box. Free markets.

6 China's got 'em and Russia's got 'em. Now
7 Brazil's got 'em and Mexico's got 'em. We've got 'em
8 and Thailand's got 'em.

9 We all have the same basic computer. The
10 question is, in my opinion, who will get the
11 operating system and the software to go with that
12 computer so when you plug your economy into the Herd
13 you get the most out of it and you cushion the worst.

14 "Operating system" in my lexicon is all
15 the economic rules of Globalization, of the Golden
16 Straitjacket, and "software" is the rule of law,
17 courts, oversight, regulatory institutions, and
18 ultimately democracy.

19 Now Russia to me was like a computer at
20 the end of the Cold war that plugged into the
21 Electronic Herd with no operating system and no
22 software inside. Someone just came along and said,

1 Hey, this looks easy. They plugged in, and when the
2 Herd surged as it inevitably does it melted down
3 whatever mess of wires was in that Russian computer.

4 Thailand, Malaysia, Korea, Indonesia, they
5 plugged into the Herd but with a very slow operating
6 system, one that I call Dos Capital 1.0.

7 (Laughter.)

8 THOMAS FRIEDMAN: Now Dos Capital 1.0 is
9 great for getting your country from \$500 per capita
10 income to \$5000, but when the Herd moves from a 286
11 Chip to a Pentium III and you're still running Dos
12 Capital 1.0, a/k/a crony capitalism, what happens to
13 you is what happens if you go home and run windows
14 2000 on your kid's old 286 computer. A little sign
15 pops up and says you have misallocated all your
16 resources, cannot move capital, please download new
17 operating system and software.

18 And that is what these countries are
19 trying to do today to upgrade from Dos Capital 1.0 to
20 6.0.

21 Let me conclude with two points.

22 One is, do not confuse my enthusiasm for

1 describing a system as I see it and trying to
2 understand its logic for any approval or disapproval,
3 for that matter, of it. It is here. I didn't start

4 it. I can't stop it, in my view, except at a huge
5 cost to all of us.

6 The question of the day is: How do I get
7 the most out of it and cushion the worst?

8 Secondly, it is reversible, this system.
9 There are things that can blow all of this up. The
10 penultimate chapter in my book is about that. It is
11 called "If You'd Like To Speak To A Human Being,
12 Press 1."

13 (Laughter.)

14 THOMAS FRIEDMAN: It is really about what
15 are the threats to this system.

16 Let me quickly share two of them with you.
17 The first is what I call "just too darn hard." It
18 may be that this system is just too darn hard for too
19 many people, that we are not up for running the 100
20 meter dash every morning.

21 Now what we've seen in the Globalization
22 system is that the first ten years, '89 to '99 from

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1 the fall of the Berlin wall to last year, was the
2 story of what happens if it's too hard basically for
3 small countries, for Liberia, Algeria, Yugoslavia,
4 that implode under the pressures of this system,
5 among other reasons.

6 what happens is that the system builds an
7 iron curtain around them and drives around them like
8 they were a bad neighborhood.

9 we are now entering the second decade of

10 the Globalization System. It is going to be about
11 what happens if it is too hard for big countries
12 called China, Russia, and Japan.

13 I grew up in an age where the biggest
14 threats to America were the military strength of
15 Russia and China and the economic strength of Japan.
16 My girls, age 11 and 14, will grow up in a world for
17 the next 10 years I believe where the biggest threats
18 to us are going to be the weakness of China, the
19 weakness of Russia, and the weakness of Japan as
20 they go through the wrenching adjustment to getting
21 up to speed and the institutions for this new
22 system.

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1 In case you haven't noticed, what the
2 Clinton foreign policy has really been about for the
3 last eight years has actually been managing the
4 weakness of Russia, the weakness of China, and the
5 weakness of Japan, not their strength. The whole
6 dilemma, the whole issue has been inverted.

7 I think another threat to this system is
8 what I call the real Y2K virus. That is the virus of
9 overconnectedness.

10 That is the real Y2K virus.

11 Now this is a developing country issue
12 right now, but it will spread. Because what comes
13 after the Internet, the age we are just about to
14 enter, is the age of the Evernet.

15 The Evernet is you will be online or

16 connected if you want to be, and maybe if you don't
17 want to be, all the time everywhere you go. Through
18 your watch. Through your toaster. Anything with
19 electronics in it today is being given software and
20 wired. There will be 100 million toasters online in
21 the year 2010.

22 (Laughter.)

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1 THOMAS FRIEDMAN: Now I greet this with
2 great ambivalence. You know there was a story I came
3 across on the wires a few weeks ago, a few months
4 ago, I'm sorry, from Israel. It was about an Israeli
5 man driving through Natanya, north of Tel Aviv. He
6 was arrested because he was driving with a cellphone
7 in both ears steering his car with his elbows.

8 (Laughter.)

9 THOMAS FRIEDMAN: Oh, he's my poster boy.

10 (Laughter.)

11 THOMAS FRIEDMAN: He is my poster boy for
12 overconnectedness. I don't know about you all. I
13 can imagine it must be doubly true with you, but
14 somebody calls my office.

15 They say, is Mr. Friedman there?

16 My secretary says, no, he's out.

17 They say, well connect me to his cellphone
18 or his pager.

19 You're never out anymore. Out is over.

20 (Laughter.)

21 THOMAS FRIEDMAN: Okay? Out is over. All

22 right? You are always in. And when you're always

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1 in, you're always on. And when you're always on,
2 what are you like? what is the only other thing I
3 know of that's always on? A computer server.

4 well, no, thank you. And how we manage
5 overconnectedness I think is going to be a real issue
6 in our personal lives.

7 Let me just close by saying the following:
8 we are just at the beginning of this system. If this
9 were the Cold war system, we are now in 1946.
10 Churchill just gave his Iron Curtain speech.

11 we understand as much about how this
12 system is actually going to play out as we understood
13 about how the Cold war was going to play out in 1946.
14 Think of the period of rapid change we have just gone
15 through when Bill Clinton was elected, sworn in
16 President, there were 50 pages on the worldwide web.
17 Today there are over 1 billion.

18 In 1992, most people had never heard of
19 the either the Internet or e-mail. Today, they are
20 considered almost an entitlement.

21 we are going to enter a period of change
22 that I believe is going to be more radical than any

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1 period in American history since 1776-1789. And the
2 trick is going to be how you keep your Lexus and your

3 Olive Tree in balance.

4 How do we keep the issues and the demands
5 of development, streamlining, downsizing, plugging in
6 in balance with the needs of community, family,
7 neighborhood, society?

8 And the game is going to be: How do we
9 get the best out of this system and cushion the
10 worst? Which is why I end that chapter with a
11 cartoon from The New Yorker.

12 It's two Hells Angels on motorcycles.
13 One says to the other: Say, how was your
14 day?

15 And the other says: Well, advancing
16 issues led declines.

17 (Laughter.)

18 THOMAS FRIEDMAN: That's sort of how I
19 feel about this system. If we can just keep
20 advancing issues leading declines for more people in
21 more communities, in more countries, on more days, we
22 will be doing God's work. And is America's mission.

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1 Thank you, very much.

2 (Applause.)

3 CHAIRMAN LEAVITT: We now have a moment
4 that we can direct questions to Mr. Friedman. I
5 will, while you gather your thoughts, offer one:

6 Last spring I found myself visiting three
7 South American countries, Argentina, Chile, and
8 Brazil.

9 I was met with fascinating economic
10 conditions as I saw political leaders devaluing
11 currencies, raising interest rates in the face of
12 high unemployment, and they were all running for
13 election.

14 I'm thinking to myself, these are the most
15 courageous politicians in the world. It occurs to me
16 finally that that's not courage. They're putting on
17 the Golden Straitjacket.

18 I would be interested to have you
19 enumerate what you believe our version of the Golden
20 Straitjacket is with respect to our states. What
21 will the newest model be? And what will we be
22 required to do in order to make it fit?

□

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1 CARLY FIORINA: Is that all?

2 THOMAS FRIEDMAN: Somebody here said, Is
3 that all?

4 (Laughter.)

5 THOMAS FRIEDMAN: Well let me try to frame
6 Governor Leavitt's question in a framework I try to
7 use in the book.

8 I believe that the labels Democrat and
9 Republican are utterly irrelevant in this new era
10 because they simply don't capture any more the
11 political issues of the day. So let me begin by
12 trying to give you a new way of thinking about what
13 labels we should have.

14 I like to begin, if I had a graph here I
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15 would draw a line first of all from East to West,
16 just a straight line across. This is the
17 globalization line. It is going to be at the center
18 of our lives.

19 The first thing you have to do is locate
20 yourself on this line from East to West. At this far
21 end over here are the Integrationists. They believe
22 in globalization, free trade, deregulation, a web

□

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1 site in every pot. Beam me up Scotty. We want
2 globalization now. So at this far extreme are the
3 Integrationists.

4 At the other end of the line are the
5 separatists. They believe globalization is a
6 fundamental threat and they want to cut it off and
7 kill it now. A threat to culture, or environment, or
8 finance, or their jobs.

9 Now once you've located yourself on that
10 line between Integrationist and Separatist, then draw
11 a line North-South right through it. That line is
12 the Distribution axis. That's what you think should
13 go with globalization.

14 At the southern end of that line are the
15 Social Safety Netters. They think the more you
16 globalize the more you actually have to improve,
17 upgrade, and perform your social safety nets to bring
18 the havenots, knownots, and leftbehinds into the
19 system.

20 At the northern end are the Let-Them-Eat-

21 cakers. They think the more you globalization the
22 more it is winner-take-all/loser take care of

□

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1 yourself.

2 Now you can locate--and I don't mean to
3 offend anyone here--everyone in American politics in
4 my grid here. Bill Clinton was an
5 Integrationist/Social Safety Netter.

6 Newt Gingrich was an Integrationist/Let-
7 Them-Eat-Caker. which is why Clinton and Gingrich
8 were on the same side supporting NAFTA but on
9 opposite sides of the Social Security debate.

10 Ross Perot was a Separatist/Let-Them-Eat-
11 Caker and Dick Gephardt was a Separatist/Social
12 Safety Netter, which is why is why Gephardt and Perot
13 were in the same trench opposing NAFTA but on
14 opposite sides of the Social Security/welfare
15 debate.

16 So I invite you all to put yourself in
17 this grid and find out who your friends and enemies
18 are in what is truly going to be the next debate.

19 Now what is the point of that grid?

20 The real point, in my view, is that people
21 talk about the third way, you know, the third way,
22 which is sort of--I am an Integrationist/Social

□

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1 Safety Netter. I believe you dare not be a
2 globalizer in this system, an Integrationist, an
3 advocate of free trade without also being a Safety
4 Netter. Without being a social democrat. Without
5 being ready to do what it takes to bring the
6 havenots/knownots/leftbehinds into this system.

7 But you dare not be a Social Safety Netter
8 today without also being a globalizer, because
9 without that you will not have the income, the
10 knowledge that you need to drive revenues to have
11 something to redistribute.

12 And what American politics is about today
13 in my view is where the equilibrium point should be
14 between Integrationism and Social Safety Nettism.

15 The welfare Reform Act of a couple of
16 years ago was the first salvo in moving that
17 equilibrium point, adjusting it from left to right.
18 Health care, all these other issues to me are all
19 going to be part of finding that balance.

20 And that to me is, however one defines it
21 in your local idiom, really what I think the
22 challenge is.

□

60

1 Now it's interesting. I was talking to
2 Governor Engler before we started and I was telling
3 him about the book tour for LEXUS AND THE OLIVE TREE
4 and I told him, it was very interesting to me. I got
5 to travel around America, which I don't get to do a
6 lot.

7 The two most oft-asked questions I got on
8 the book from Americans were the following:

9 The first was: what do I do with my kids?
10 Holy mackerel. If we're moving from the slow world
11 to the fast world, what do I do with my kids?

12 And the other question came from a man, a
13 venture capitalist in Silicon Valley called me one
14 day saying I want to get a bunch of your books to
15 give away here. I'm sending a driver around to
16 different book stores in Washington. He's going to
17 come to your house with a pile of books. I want you
18 to sign them. He's going to take them to the
19 airport.

20 Only a venture capitalist in Silicon
21 valley could do this.

22 And so this man came to my door with boxes

□

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1 of books. I invited him into the kitchen--a big
2 African American guy, put his books all over the
3 kitchen. He sat down, and I invited him, he picked
4 up a book and he started leafing through it.

5 And he said, "The Lexus? That's like
6 computers and technology, right?"

7 And I said, "Yeah, you've got it."

8 He said, "The olive tree, that's like
9 family and community, right?"

10 I said, "You've got it."

11 He said, "I just have one question. Where
12 does God fit in? I've been in the presence of our

13 Lord Jesus Christ. I just want to know, where does
14 God fit in?"

15 I've gotten that question "Is God in
16 Cyberspace?" more times on my book tour than you
17 would ever imagine. It's really a values question.

18 My short answer to him, and on that
19 question is: God is not in Cyberspace. He is not in
20 Cyberspace. But He wants to be there. He wants to
21 be there, and He will only be there by how we behave
22 there.

□

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1 Oh, it's such a wonderful place for God
2 because you know you're totally free in Cyberspace.
3 And you will only bring Him there by how you behave
4 there.

5 But on the first question, what do I do
6 with my kids? We face this in my own house. I have
7 two daughters, 11 and 14. My wife teaches 5th grade
8 in the Montgomery County Public School System. So we
9 think about this a lot.

10 My short answer is the following: We are
11 moving into a world where the Internet is going to be
12 at the center of how we do business, of how we
13 educate, and how we communicate.

14 Anyone who thinks the Internet is
15 overrated is exactly wrong. It is still underrated.
16 It is going to be at the center of our lives. But
17 there is one thing about the Internet that is very
18 different from The New York Times. It is a naked

19 technology. There is no editor there. There is no
20 publisher. There is no censor.
21 You interact with it totally naked. That
22 means at the center of our kids' lives is going to be

□

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1 a technology that they are going to interact with, as
2 well as all other citizens, totally naked.

3 Now I grew up in a small town, a small
4 suburb outside of Minneapolis. I think I am safe in
5 saying it took me at least an hour to find trouble
6 from my house.

7 (Laughter.)

8 THOMAS FRIEDMAN: It took me at least an
9 hour to find trouble from where I grew up in
10 Minnesota.

11 On the Internet, it is all one click away.
12 You are all just one click away from a Neonatzi
13 Beerhall, a pedophiles living room, the Sorbonne
14 Library, or the State of Vermont's Web Site. They
15 are all the same distance.

16 what that means is that if we aren't
17 building the internal software into your kids so they
18 can interact with this technology on their own in a
19 responsible way, we've got a problem.

20 we saw that with the hacker business last
21 week. And that is why, in my view, the paradox of
22 the Internet is the more whiz bang the technology

□

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1 gets, the faster the modems become, the more we need
2 to emphasize fundamentals: reading, writing,
3 arithmetic, church, synagogue, temple, and mosque.
4 It is all about fundamentals.

5 Because if you don't build those
6 fundamentals into the internal software, your kids,
7 ain't nobody else going to do it. And those
8 fundamentals you cannot download. You can only
9 upload the old fashioned way, under the olive tree.

10 If I had one fervent wish, it would be
11 that the Attorney General would have to affix a
12 label, a warning on every modem sold in this country,
13 and it would say:

14 Judgment Not Included.

15 Judgment Not Included.

16 Oh, computers will make you maybe smarter,
17 but they won't make you smart. They can enable you
18 to reach out, but they won't tell you what to say at
19 a PTA meeting. That, you only get the old-fashioned
20 way: Under the olive tree.

21 CHAIRMAN LEAVITT: Mr. Friedman, thank
22 you.

□

1 (Applause.)

2 CHAIRMAN LEAVITT: I feel a sense of
3 confidence that there are many who would like to ask
4 questions, however we have a need for us to keep our
5 time on schedule so I am going to reorganize this a

6 little.

7 Can you stay with us for a few minutes?

8 THOMAS FRIEDMAN: Sure. Absolutely.

9 CHAIRMAN LEAVITT: We are going to move
10 now to our next speaker.

11 Governor Davis is going to offer an
12 introduction. As he comes forward, may I say that
13 one of the things that occurs to me as I listen to
14 Mr. Friedman speak is, I would like to give all of
15 you as a gift from me a copy of Mr. Friedman's book.

16 So tonight I am going to go to the
17 Internet and I am going to have delivered to each of
18 you, without his signature--

19 (Laughter.)

20 CHAIRMAN LEAVITT: --because only a
21 silicon valley executive can get off with that

22 (Laughter.)

□

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1 CHAIRMAN LEAVITT: --a copy of this book,
2 and it will be delivered to your office or home.

3 Now I know what all of you are worried
4 about, and that's the sales tax. Don't worry, I'll
5 take care of it.

6 (Laughter and applause.)

7 GOVERNOR DAVIS: Thank you, Governor.

8 It is my pleasure to precede two very
9 prominent Californians. They may not be as
10 entertaining or as illuminating as Mr. Friedman--very
11 few of us can aspire to that--but they are

12 reinventing your future every day.

13 Specifically, Carly Fiorina is the CEO of
14 Hewlett Packard. She has had that job since July of
15 1999. Eric Schmidt is the CEO of Novell. He will be
16 introduced by the Chairman.

17 We are all very proud in California to be
18 the home of the dot com economy and the birthplace of
19 the Internet and we are proud that at present we are
20 home to more high-tech, biotech, multimedia, and e-
21 commerce industries than any place on the planet.

22 But we know this is a race for good ideas,

□

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1 and the obligation I have, that every Governor at
2 this table has, is to give every child in K-12, and
3 every student at college and university, the skills
4 to reach his or her potential. Because their
5 challenge is to develop new ideas, provide
6 breakthrough research to keep this country
7 productive, and to provide opportunities and growth
8 for everyone.

9 In that regard, I am pleased that in my
10 budget I propose \$300 million over the next four
11 years for three centers of science and innovation at
12 our nine UC campuses.

13 All nine campuses will compete for that.
14 They will select the technology they want chosen for
15 the three. That, I am convinced, will help new
16 medical breakthroughs and advance new commercial
17 applications.

18 Carly Fiorina became the CEO of Hewlett
19 Packard in July of 1999. Before that she spent 20
20 years at AT, AT, AT&T--I don't know why I can't say
21 that--AT&T and Lucent.

22 Before that she was educated at Stanford

□

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1 where she got her Bachelor's Degree. She got her
2 Masters in Business Administration at Maryland, and
3 her Masters in Science at MIT.

4 She is an extraordinary distinguished CEO
5 and I am very proud to say that we both graduated
6 from Stanford, as did two of her illustrious
7 predecessors, Bill Hewlett and David Packard, however
8 that was not enough to help the Stanford Cardinal
9 against the Wisconsin Badger, and so I've had to
10 deliver 86 pounds of what we consider the finest
11 cheese in America to Governor Thompson, and he is
12 going to present me with some of Wisconsin's very
13 fine cheese.

14 (Laughter.)

15 GOVERNOR DAVIS: With that, I am honored
16 to bring to the microphone Carly Fiorina.

17 (Applause.)

18 CARLY FIORINA: Good morning. It is a
19 great pleasure to be here with you this morning.

20 I will start by saying that I agree with
21 Mr. Friedman that we are just at the beginning. The
22 analogy I guess I would use is: we are at the

1 beginning of an era now where the term 'Cyberspace'
2 has the opportunity to disappear.

3 Cyberspace to me is a term that implies
4 distance, something that's alien, something that's
5 cold, something that's threatening, something that is
6 hard to adapt to.

7 I think we now have the opportunity with
8 where technology is going for the Internet, for the
9 information utility, to become something that is
10 personal, that is warm, that is friendly, that is
11 intimate, that works for you instead of you working
12 for it.

13 Now there are of course many threats to a
14 technology that is that pervasive, that is that
15 ubiquitous, but there are also great promises in that
16 technology. I would like to talk about what I think
17 'convergence' now means and the promise of this warm,
18 friendly, personal, intimate personalizable
19 information utility.

20 Today I believe there are three vectors of
21 technology that are coming together, and to
22 understand the full promise of technology you really

1 have to think about what is happening at that
2 intersection.

3 The first vector is what we call e-

4 services. What we mean by an e-service is we are now
5 entering a time where any asset, any process, can be
6 turned into a service that is available via the Net.
7 Any asset. Any process.

8 And these services, these assets, these
9 processes that can be made available over the world
10 wide web can be dynamically created, dynamically
11 brokered, dynamically located to create a community
12 that works for you.

13 Imagine e-traffic services. I mean let's
14 pick a really mundane example but the one that's on
15 our mind in California a lot. Let's imagine an e-
16 traffic service that is tuned to your personal
17 commute each and every day. It is technologically
18 possible now, and in fact many of these services are
19 beginning to emerge, or an e-travel service.

20 So the first vector of technology that we
21 believe is converging now are these e-services. Any
22 asset, any process can be turned into a service over

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1 the web and those services can be dynamically
2 brokered, dynamically created, dynamically located.

3 The second vector of technology is around
4 appliances. And of course the PC is the most obvious
5 information appliance but it is certainly not the
6 only information appliance.

7 The cellphone has become an information
8 appliance, not just a communication device. The huge
9 convergence that's going on now is between wireless

10 capability and Internet capability, and cellphones
11 are becoming Internet-enabled devices.

12 And, yes, fortunately or unfortunately,
13 depending upon your point of view, it is true that
14 toasters will become connected to the web. why?
15 Because technology now is so small that intelligence,
16 both computing and storage capability, can be
17 embedded in anything and everything.

18 We happen to have a lab in HP. We happen
19 to have an environment in that lab called Cool Town.
20 What we are doing in that environment is connecting
21 absolutely everything with its own web page to
22 absolutely everything else: every person, every

□

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1 place, every context, every device.

2 To give you an example of what is possible
3 here, we are--we're not the only ones, but we believe
4 we are ahead in this regard--we at HP labs are now
5 working on molecular computing and atomic storage.
6 That is, computing and storage that is literally
7 atoms wide and molecules thick.

8 So you could have, for example, computing
9 or storage capability in your medicine, perhaps a
10 more uplifting analogy than a microchip in your
11 toaster.

12 (Laughter.)

13 CARLY FIORINA: So e-services combined
14 with appliances, information appliances that can be
15 almost anything.

16 And then finally the third vector of
17 technology that's coming together is an
18 infrastructure that can support billions of these
19 appliances and trillions and trillions of
20 transactions. That is why we now call it, along with
21 many others, an 'information utility.'

22 The term 'utility' suggests something that

□

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1 is as ubiquitous as electricity or water, and frankly
2 as invisible as electricity or water.

3 Today, let's face it, the world wide web
4 is everywhere, but it doesn't work well everywhere.
5 And electricity and water, at least in this country,
6 are so reliable, so secure that we don't think about
7 them until we turn them on and use them. We pay for
8 what we need, and then we turn them off. That is the
9 way we believe this information utility, the
10 infrastructure that supports these services and these
11 appliances is going.

12 So you have to think about the
13 intersection of those three things we believe
14 to truly understand the potential of this
15 technology.

16 So going back to the beginning, my
17 statement and Mr. Friedman's statement that this is
18 just the beginning, what we are talking about now is
19 a generation of technology that will not simply
20 replace old technology with incremental advances in
21 productivity as we've seen in the last 20 years, but

22 really this information utility can change in

□

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1 very dramatic ways the way we communicate, the way
2 we learn, with particular emphasis from our point of
3 view and I believe from yours as well on our work
4 force and how we prepare our work forces.

5 It is almost a cliché to say that one of
6 the most pressing issues facing business leaders
7 today--and I believe it is one of your most pressing
8 issues as Governors as well--is how to empower
9 employees to compete in this digital age.

10 Every corporation, whether it is a dot
11 com or a brick-and-mortar, or as we now begin to
12 say as these two kinds of companies come together,
13 they are either clicks-and-mortars or bits-and-
14 mortars, you pick your analogy, but every company is
15 now dealing with the fact that technology is
16 fundamental to how a company interacts with every
17 constituent it has, whether that constituency are its
18 shareowners, its employees, its suppliers, or its
19 customers.

20 Again, it is almost a cliché now, but
21 technology has become every CEO's job. It is
22 fundamental to how a company works and competes.

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1 It is absolutely true that as the world
2 becomes more networked, as everything, every place,
Page 60

3 every person, every context becomes networked, that
4 does and should empower the individual. And so
5 access and skills are the key to success.

6 They are the keys to success for people.
7 They are the keys to success for companies. They are
8 the keys to success, I believe, for states and
9 governments and countries.

10 And you of course as Governors are facing
11 the same challenge that we as CEOs are. That is, how
12 to empower your constituents to participate in this
13 new digital economy.

14 And you know of course that the stakes are
15 very high for your economies and the quality of life
16 in your states and for this country, just as the
17 stakes are critically high for those of us as CEOs.
18 It is about whether we prosper and survive or whether
19 we fail.

20 A skilled workforce is how you as
21 Governors attract and retain businesses and keep your
22 economies vibrant. And the most skilled workers will

□

1 drive location decisions and quality of life is of
2 course a key factor for them.

3 And you are, as we corporations are, you
4 are competing every day with other locations the
5 quality and the skill of your workforce and the
6 quality of life in your state.

7 Fundamental to all of this of course is
8 education. People will follow where education reform

9 achieves successful economic participation we
10 believe.

11 Now let me come back to a comment that
12 Mr. Friedman made. Education is critical, and it
13 is how to compete in this new age. Teachers as well
14 as students need electronic tools. They need
15 services. They need Internet access, and they need
16 skills.

17 E-learning can help extend the abilities
18 of teachers to help students. E-learning can be a
19 developed ecosystem of partners that can rapidly
20 expand to include additional partners, worldwide
21 partners.

22 Remember I said at the outset that any

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1 asset, any process can be turned into a service that
2 is available via the Net. That is as true of
3 education as it is of anything else.

4 Last month, as an example, I gave a
5 community address at the Bay Area Council where I
6 shared with an audience a glimpse of one of the
7 first, we believe, handheld learning appliance. It
8 was a prototype of an Internet-ready device that
9 could take children on a worldwide trip if they
10 became bored in a particular class. It could take
11 children on a worldwide field trip from a device
12 about the size of a calculator that was priced at
13 several tens of dollars.

14 It is an example of turning education into

15 an e-service.

16 At the same time that education is
17 critical, we must acknowledge Digital Divide
18 concerns and use education as a means of eliminating
19 them.

20 I believe we should shift the debate,
21 frankly, from talking about the Digital Divide to
22 beginning to talk about what I would call e-

□

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1 inclusion: How to make sure that everyone is
2 included.

3 At HP we are committed to help make this
4 change, as HP has been committed to education for
5 decades and decades.

6 E-inclusion is our obligation, but frankly
7 it is also very good business. We are playing on a
8 worldwide field and we need everybody to make this
9 work, to succeed, to grow.

10 It is why HP started an initiative called
11 "Diversity In Education" about four years ago, and
12 this initiative is focused on improving math and
13 science education of minority kids. We have recently
14 granted \$4 million to work with four K-16 teams of
15 schools and a university.

16 Technology has the power to erase the
17 boundaries of time, of space, yes perhaps of politics
18 as well, but it certainly has the power to erase the
19 boundaries of prejudice and bias.

20 Anybody can play in this new age as long

21 as they have the skills and the access. For us to
22 remain successful as corporations and I believe as

□

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1 well as states and as a country, we need the
2 creativity that springs from diversity and we need
3 everyone to be able to play.

4 I believe we have a great challenge in
5 this country because we are in danger of leaving a
6 generation of kids behind. That is bad business for
7 us. I believe it is bad politics for you.

8 The basic infrastructure for commerce and
9 communication have essentially been built in this
10 country, and now we are starting to see the promise
11 of all this technology kicking in.

12 It means that the price of entry is
13 dropping to zero. Anyone can play. Everyone can
14 participate in this emerging economy. Technology
15 does level the playing field. It levels the playing
16 field in business. It levels the playing field in
17 education.

18 Teachers and students will have new
19 tools to master and to use. I believe one of your
20 great obligations, one of our great obligations as
21 well, candidly, in corporate America, is to help
22 them. Help them use these new tools and master

□

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1 them.

2 So here is what I would humbly suggest
3 might be three strategic priorities for each of you
4 as Governors looking to remain competitive in this
5 new age.

6 And as I mention these three, I think it
7 is very important to keep something in mind again
8 that Mr. Friedman said earlier. Time means something
9 different now. We simply do not have the time we
10 think we have, whether we are CEOs or whether we are
11 Governors.

12 My belief is that in this new economy
13 faster is always better than slower, and sooner is
14 always better than later. Always. Always. Always.
15 Because technology has changed what time means in
16 very dramatic ways.

17 So the three priorities that I would
18 suggest again:

19 First and most importantly from my point
20 of view, continue to make education central to your
21 agenda. Education is at the heart of everything I
22 believe. You must, we must together continue to

□

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1 reinvent and re-engineer our education systems to
2 achieve higher standards of competence and skill. We
3 must reinvent and re-engineer to develop digital
4 competency because lacking digital competency is a
5 severe disadvantage. In fact, it is an
6 insurmountable obstacle going forward. Help your

7 teachers be competent to use the digital tools that
8 exist. More are coming to the e-learning space, but
9 teachers must be able to use these tools if they are
10 to help children gain the skills and the access they
11 need.

12 Second, set an example. Make technology
13 central to how you communicate with your own
14 constituents. Any service, any process can become an
15 e-service over the Net. Deliver state services over
16 the Net. Think global. Think borderless. Think
17 interdependent. Think interconnected. But use the
18 technology to transform your own government as an
19 example to your constituents and to your students and
20 to your teachers.

21 In this environment I believe we will
22 only be able to protect constituents on the Net by

□

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1 collaborating with other governments. And in this
2 digital environment borderless open-trade policies
3 will be critical to plug your states and our Nation
4 into the new economy.

5 And third, foster a climate where the
6 Internet is allowed to flourish. That means a couple
7 things.

8 First, it means of course enabling your
9 communities with access and with infrastructure for
10 everyone.

11 It means collaborating with industry to
12 apply today's rules thoughtfully across

13 jurisdictions.

14 we happen to believe that industry's self-
15 regulation and credible third-party enforcement is
16 the best model for developing the necessary trust
17 that private data will be protected and the consumers
18 will be protected.

19 opening international global markets is
20 essential. A flourishing Internet promotes social
21 and political freedoms, and yes I believe this is
22 true including in China.

□

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1 And I also believe on that note that the
2 U.S. must approve Permanent Normal Trade Relations
3 with China.

4 So I believe it is incumbent on us as
5 corporations, as CEOs, and on you as Governors to
6 promote e-inclusion actively and aggressively to
7 assure that all of your residents find success in a
8 Century that is now rolling rapidly towards total
9 connection.

10 I think the technology offers great
11 promise. I think we can in fact move from a world
12 where Cyberspace is an opportunity to make millions
13 for some but remains tremendously threatening and
14 intimidating for many, to a place where technology
15 does help all of us participate more actively and
16 more democratically.

17 But it will take I believe a focus on the
18 things that we have just talked about: education,

19 using the Net to transform your own governments, and
20 making sure that your state is one in which the
21 Internet can flourish and e-inclusion is at the
22 foundation of your politics.

□

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1 Thank you, very much.

2 (Applause.)

3 CHAIRMAN LEAVITT: We will defer questions
4 on that extraordinarily helpful presentation until
5 after our next presentation.

6 It is my privilege to introduce Dr. Eric
7 Schmidt who is the Chairman and Chief Executive
8 Officer of Novell. I have the privilege of being not
9 just the Governor of the domiciled State of Novell
10 but also to having occasion to get acquainted with
11 Eric in a personal way.

12 On two different occasions one year apart
13 we have met at a similar dinner where two questions
14 were asked. The first dinner was:

15 Let us all express the thing we would like
16 to be, or the subject in which we would like to be
17 most or more literate.

18 He surprised me by explaining that he had
19 recently taken up photograph. The reason was he
20 believed that it was so much information in the world
21 coming so rapidly that he was using photography to
22 refine his intuitions. A very interesting idea, I

□

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1 thought.

2 The next year the question was:
3 what is the thing you have learned in the
4 last year that has helped you the most?

5 He responded by telling about becoming a
6 pilot. The values he had learned were from the
7 discipline of checklists and routine. I thought
8 those were a fascinating combination.

9 He is the former Chief Technology officer
10 of Sun Microsystems, and he is best known to
11 investors like me as the guy who brought Novell from
12 \$8 to \$38.

13 (Laughter.)

14 CHAIRMAN LEAVITT: Eric?

15 (Applause.)

16 ERIC SCHMIDT: Thank you very much. It is
17 a privilege to be here and it is a privilege to
18 follow Tom and Carly.

19 It is interesting. I was in Botswana
20 yesterday. It is the first country I have been in in
21 20 years where CNN didn't work and my GSM phone did.

22 (Laughter.)

□

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1 ERIC SCHMIDT: It rings. Sorry, honey,
2 got to go. There's a lion behind us.

3 (Laughter.)

4 ERIC SCHMIDT: I think we are very much at
5 the beginning of some extraordinary changes. I've

6 been trying to look at what is the analogy. You hear
7 lots of analogy in these sorts of speeches.

8 The analogy that I actually like the best
9 is the building of a transcontinental railroad. As
10 you know, this was done around 1860 about 150 years
11 ago, and the government of course had a major role.
12 For example, Congress set the width of the rails.
13 There was a big debate over that issue.

14 The Governors were incredibly important in
15 this. The Governor in Utah was involved. Brigham
16 Young made sure that his businesses benefitted a
17 great deal as this was done, and of course the
18 Governor of California just owned the railroad, which
19 was much more straightforward.

20 (Laughter.)

21 ERIC SCHMIDT: Geography and politics
22 favored some states over others, which I think is an

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1 interesting point for where we are today.

2 As part of this, the ethnic Chinese came
3 in and we were amazed to discover at the time the
4 country was fairly prejudiced against folks, how much
5 better the country was by bringing in a new form of
6 ethnicity.

7 of course we also managed to use the
8 trains to hasten the demise of the Indians, which is
9 not a good thing.

10 It opened the west.

11 It standardized pricing.

12 It created the UCC and all the various
13 trading and standardization around transport that we
14 now take for granted.

15 It cost and lost lots of money for a long
16 time, then it made a great deal of money.

17 It was not a single railroad. It in fact
18 was a set of railroads that were all interconnected.
19 I think it is a very good example of the
20 globalization, Tom, that you talked about, 150 years
21 earlier.

22 Today we have what we call in the

□

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1 technical world an Internet illusion. It is not
2 one Internet. It is in fact a set of
3 interconnected networks. These networks are
4 changing our notions of space and time in some
5 very, very interesting ways.

6 All of the things that we do now are
7 defined or pursued with the presumption of infinite
8 storage and unlimited bandwidth.

9 It is clear that if you look at any of the
10 trends that for the foreseeable future, we don't need
11 to worry about those kinds of constraints, and there
12 are many, many many examples.

13 People talk about, well, will my computer
14 be smaller? will my handheld cellphone be smaller?
15 The problem is that the cellphone could be the size
16 of a pin, but your fingers haven't changed in about
17 20,000 years.

18 (Laughter.)
19 ERIC SCHMIDT: Right?
20 Along with that, the current
21 estimates--and as you know this is all driven by
22 something called Moore's Law--current estimates are

□

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1 that we can get to about 100,000 times smaller.
2 There are some people who believe we can get to a
3 million times smaller.
4 It is hard to comprehend. This will be
5 during our lifetime. It is hard to comprehend how
6 big a change that is. How much faster is a jet plane
7 than the speed with which you walk? A thousand
8 times. The gap is startling. This will occur during
9 our lifetimes.

10 There are also changes in
11 telecommunications. We have ultra wideband
12 computing, spread spectrum technologies which now
13 allow us to re-use frequencies in ways we couldn't
14 before.

15 Moore's Law is roughly doubling every 18
16 months for the same price performance. Fiber optics
17 is improving about--roughly doubling every 12 months.
18 wireless technology is roughly doubling every 9
19 months. There are very few things that are growing
20 so quickly in our society. I would say none.

21 And this of course sort of drives this
22 whole notion. A lot of people are now using the term

1 'ubiquitous computing,' 'spontaneous computing,' what
2 I like to think of it as is always being connected,
3 always on, and lots of different devices that are
4 part of little networks.

5 Now there are some interesting examples of
6 this. I for example in my new building I couldn't
7 get this radio station that I like to listen to, so I
8 went down to the store and I paid the \$80 for the
9 little powered antenna that you plug into the wall
10 and I listen to the radio.

11 It didn't do any better.

12 So then I got on the web and I listened to
13 it on the web. Because the error I made was that I
14 was listening to a radio station when I was really
15 listening to an audio station which happened to have
16 radio waves as one of its transmission media.

17 If I make that mistake, and I do this
18 every day, imagine how many people are going to be
19 confused when they discover that radio reception
20 really is better when it is on the Internet.

21 We are well to the point now where the
22 traditional assumptions that we've had about

1 transmission technology, the way you view things,
2 the way you store information, are going to be
3 changed by the digitization that Carly and Tom talked

4 about.

5 One of the biggest problems on the
6 Internet is that there is this technology called MP3,
7 which is a particularly well-engineered form of
8 audio, and people are now flooding the Internet with
9 their own private radio stations typically involving
10 pirated copies of other people's music, and it
11 consumes lots of bandwidth and people keep trying to
12 figure out what to do.

13 You can't turn it off. You have to find
14 some other way to modify all that benefit.

15 So this is a situation where this growth
16 rate is going to continue. The current growth rate
17 of the Internet is roughly doubling every 100 days.
18 Let's do some math. We go if today is 1, next year
19 is 8. The following year is 64. The following year
20 is 512. The following year is 4096. Four years,
21 five years, 4000 times more?

22 what are they doing?

□

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1 (Laughter.)

2 ERIC SCHMIDT: who knows? But they're
3 doing it, and they're going to be doing a lot more.

4 So what is the fastest growing part of the
5 Internet? Something called Instant Messaging where
6 you can send me a message RIGHT NOW. It's not even
7 e-mail. It happens right in front of me and I have
8 to respond that quickly. Another way to 'always be
9 connected' and always be out of control.

10 This is really the largest experiment in
11 anarchy we've ever had.

12 (Laughter.)

13 ERIC SCHMIDT: And I say that with some
14 caution, but also some great optimism, because what
15 we're really doing is building a set of virtual
16 worlds. And those virtual worlds I think are where a
17 lot of the new action is going to be.

18 Because as excited as I am about the
19 devices and the interconnection and the networking
20 and the so forth and so on which I'm involved with,
21 what people will do is not worry so much about the
22 transmission media of the television but rather the

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1 content and who will be the Lucille Ball of this new
2 generation.

3 what do these new virtual worlds look
4 like? They clearly will look very different from
5 what we have today.

6 If you think about Amazon E-Bay, and
7 Yahoo, and all those, those are virtual worlds of
8 today, but with this new multimedia format they will
9 be very, very different.

10 If we go back to the principle that Carly
11 talked about, about moving quickly, disintermediation
12 which is how these markets work, is defined by a very
13 simple rule which I believe applies to you all as
14 well.

15 The fastest learner always wins in a

16 network market.

17 So what we are faced with now in a
18 globalized network situation where everybody is
19 persistent, everybody is on, everybody is connected,
20 and there's these legions of teenagers being produced
21 at a constant rate every year, all of a sudden this
22 forces an efficiency of markets that we've never

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1 seen.

2 It is interesting. When you talk to the
3 dot bams--you know, those are the brick-and-mortar
4 companies--these are the guys who spent 30 years
5 building a brand, and there's the dot coms that have
6 come in and all of a sudden established a new brand
7 in one year, they're mad and they're going to get
8 even.

9 That competition is going to drive a lot
10 of new behavior. And as business to business
11 collapse of the value chain and a restructuring will
12 define a lot of how these businesses work.

13 There are many, many examples of the very
14 efficient markets that are coming out of this. There
15 appears to be a new constraint in the way economics
16 works involving price elasticity that you cannot in
17 fact changes prices very well when you have so many
18 new auction places.

19 You cannot in fact use local pricing to
20 improve your profits. And that may be at the root of
21 some of the economic choices that we've seen and some

22 of the tremendous performance we've had in the last

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1 10 years.

2 So the shift from central planning
3 that Tom talked about to distributed computing,
4 distributed processing, the sort of empowerment of
5 individuals and small groups is really the
6 characteristic of how this is going to play out.

7 what's another metaphor here is imagine
8 that you have all these different lakes that in a
9 biological world have emerged with different
10 creatures, and now all of a sudden they all mix
11 together, and now you have global competition at
12 every level. And the natural segregation that they
13 grew up with, and the various competitive advantages
14 no longer apply.

15 How do we sort that out when we're online
16 and on network worlds? We sort it out with brands.
17 So the real question for many of these businesses
18 will be what brands win.

19 You will see in a sec that I also believe
20 that applies to the political sphere.

21 So anyway, at the moment we are engaged in
22 what I would call a great capitalist charity. Goods

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1 and services and revenue for the next between now and
2 the Year 2003 are expected to be \$1.3 trillion, and

3 it is expected to cost \$1.4 trillion. So we are
4 investing to win, or at least to lose money.

5 The political dynamic, and the leadership,
6 and the strategic issues here are very significant
7 and much broader than I believe have been discussed
8 in most of the political forums I have had the
9 opportunity to participate in.

10 Now if you take a look, for example, at
11 Senator McCain's recent surge in terms of fund
12 raising, it appears to have been heavily aided by use
13 of the Internet in clever ways. That is an example
14 where all of a sudden something new changes,
15 something we didn't expect.

16 Again, there are many, many examples of
17 what can be done there.

18 I like to think of governments, first and
19 foremost, on a day-to-day basis, most citizens view
20 them as a service organization. Most of you have
21 immense information technology structures.

22 Carly talked about this a little bit. You

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1 have these immense structures and you are spending
2 billions of dollars for all these complicated systems
3 which basically try to deliver health, human
4 services, licensing systems, and so forth.

5 wouldn't it be nice if you had a single
6 place where you could know who that person was and,
7 by the way, track what they do, and do that much more
8 efficiently?

9 with these global networks you can do that
10 because your citizens are online.

11 Some of the more enterprising Governors
12 here have teams that are looking at how you use the
13 net to draw people to your state. Remember that
14 people will choose to come as tourists. Businesses
15 will choose to come to your state to work with you
16 and to invest in your state because of what they see
17 on the Net. And your ability to reach out, all of a
18 sudden building relationships, remember that
19 ultimately the most important special interest group
20 is me, right? And with this new technology you can
21 figure out who I am and then you can narrowcast
22 exactly to me.

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1 This is a profound change in the political
2 dynamic, in my view.

3 So to me the question here at the sort of
4 strategic and national level is:

5 what will be the political dynamic of the
6 Internet?

7 How will fame and power evolve?

8 where will the TV camera be in Cyberspace?

9 And how will we take advantage of that
10 metaphor?

11 Because all of us have grown up with
12 television as the primary way in which political
13 congress was certainly conducted in the last few
14 years here in America.

15 Use the Net to reach out to the Herd. I
16 think we all agree.

17 We are also going to have to deal with
18 some truly new issues. A lot of you are involved in
19 this Internet taxation issue on one side or the
20 other, 35,000 taxing authorities.

21 We could tolerate the fact that taxes were
22 not fundamentally logical or rational and they were

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1 not fully, fully accurate across borders, but now
2 that there are no borders we have to face those
3 issues.

4 There are some situations, for example,
5 where when you purchase something on the net that is
6 a softgood, where there is no deliver-to, where we
7 may actually not even know where you are to know
8 which tax rate to apply, these are problems we didn't
9 have before because we didn't have this mechanism and
10 we have to sort them out.

11 The biggest issues will all ultimately
12 involve privacy and identity. Remember, these are
13 devices and radio networks involving the Internet
14 that will have the ability to know where you are and
15 what you're up to.

16 You can drive into a new town and the
17 networks can sense that here you are, and they call
18 call up your best friend, and they can say by the way
19 Eric is in town.

20 All of a sudden, is that a good thing? Is

21 that a bad thing?
22 We can certainly technically do it, but a

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1 lot of citizens are going to have a lot of opinions
2 about how that plays out.

3 Every time you go to a web site, remember,
4 the web site is really visiting you. You give it
5 your credit card number, your social security number,
6 maybe your shoe size. It could ask you manual or
7 automatic? It can ask you about prescription
8 medicines. There are a whole bunch of issues about
9 that information, where is it being kept and who is
10 doing it.

11 To me this is a great, great leadership
12 opportunity. If you go back to my earlier premise
13 that the fastest learner always wins, all of us now
14 have an opportunity to seize the moment, take this
15 technology, take this tremendous growth engine that
16 we have pioneered and which I am very proud to have
17 been a part of, and use it to have a really enormous
18 impact.

19 So with that, thank you very much.

20 (Applause.)

21 CHAIRMAN LEAVITT: Much to all of our
22 regret, there is limited time for questions.

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1 However, we do have time for at least one question.
2 Is there such a question I could direct to our
3 panelists?

4 Tommy?

5 GOVERNOR THOMPSON: Thank you, Mr.
6 Chairman. It's a tremendously informative and
7 delightful program this morning.

8 My question is fairly broad. That is,
9 listening to all three speakers I kept coming back to
10 our arena of politics. It seems with the tremendous
11 speed that you're talking about, all three of you,
12 the political parties in the future are going to be
13 less and less relevant, that the walls will be
14 crashing down more than likely on political parties
15 in the future.

16 Also in regards to the big issue facing
17 Congress right now, the speed with which Congress
18 reacts is still slow and laborious compared to what's
19 going on in the business sector.

20 All our legislative sessions throughout
21 all of our states are so slow compared to how fast
22 Governors have to respond regarding what function the

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1 legislative arena is going to play in the future, and
2 that leads to the question:

3 what is the future of parties and
4 legislators that cannot move faster, and with the
5 kind of polarization we see in our state legislature
6 and Congress, and especially how does this deal with

7 the China question and what will happen if Congress
8 does not address the China question properly for the
9 Internet access that we need?

10 I would direct that to anyone that wants
11 to respond.

12 CHAIRMAN LEAVITT: Thank you, Governor
13 Thompson. Perhaps I could ask all three of our
14 panelists to comment briefly on that question. We
15 will start with Mr. Friedman.

16 THOMAS FRIEDMAN: Let me just make a
17 couple of brief remarks I think that Governor
18 Thompson and the other speakers have touched on.

19 One is that everywhere I go now in this
20 country in talking to business executives I've
21 been finding that within the last 12 to 15 months
22 there isn't a business executive who hasn't

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1 woken up one morning and said: Oh, my God. This
2 Internet thing is real. Somebody call the Internet
3 doctor.

4 what that means is, basically, not where
5 do I just plug this switch in in the wall or talk to
6 Sue or Bill down the hall, he or she is my CTO, this
7 is a revolution.

8 It means understanding that every way you
9 do business is going to be affected Net as a state or
10 as a company, and your CEO has to be your Internet
11 evangelist. It can't just be something to kind of
12 plug in down the hall.

13 How long will people wait in line at
14 your state license bureau to get their license
15 renewed when they can now buy the whole bloody car on
16 line?

17 So if the United States of America does
18 not become as efficient as America Online in some
19 very fundamental ways government will become
20 irrelevant for a lot of people.

21 So that would be one thing.

22 Let me quickly say on China, because I

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1 believe this is a very important issue, we need to
2 keep our eye on the prize.

3 China now is saying some very bellicose
4 and troubling things about Taiwan. Some of the
5 candidates are saying some very troubling to me and
6 bellicose things about the WTO deal.

7 But I think we need to keep our eye on
8 the prize. And if you were to ask me, Governor
9 Thompson, what I thought is the single most
10 important foreign policy issue for the next
11 Administration, of the next decade, is going to be
12 whether and how we bring China--and I like to never
13 use the word "China," I prefer to use one-fifth of
14 humanity--how you bring one-fifth of humanity stably,
15 gradually, smoothly from an authoritarian society,
16 okay, into a more open, pluralistic state.

17 Now we have people, the debate around
18 China is: Do we deter them or do we engage them?

19 well the fact is we have to do both. And we have to
20 do both all the time.

21 We are deterring China on Taiwan, I
22 believe, but we have to do it in a subtle way so we

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1 don't encourage the Taiwanese to behave in reckless
2 ways.

3 So then the question is: How do we
4 reinforce that deterrence? And to me this WTO deal,
5 nothing is a better reinforcer. It is not a sure
6 thing. It is not a foolproof thing. It is not the
7 only thing. But nothing is a better tool, a tool
8 that allows American Internet companies to own 50
9 percent of Internet companies in China for the first
10 time, a tool that will allow Chinese to interact with
11 the world much more directly than ever before, rather
12 than going through their government, and a tool that
13 will impose rule systems on what have been arbitrary
14 bureaucrats before. Not foolproof. Not the only.
15 But certainly the best.

16 And, yes, the Chamber of Commerce is for
17 it. Well, as a friend of mine, Michael Mandelbaum
18 says: You know, some things are true even though the
19 Chamber of Commerce is for it.

20 (Laughter.)

21 THOMAS FRIEDMAN: And some things are in
22 our national interest even though the Chamber of

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1 Commerce is for it.

2 (Laughter.)

3 THOMAS FRIEDMAN: So it seems to me we've
4 got to keep our eye on the prize. Okay? That means,
5 you know, looking past some of the things going on
6 now in the political sphere here, looking past some
7 of the things going on in the political sphere in
8 China, and keeping our eye on the prize, which is to
9 bring China stably, smoothly into this system.

10 Thank you.

11 CHAIRMAN LEAVITT: Thank you.

12 Carly?

13 CARLY FIORINA: I would comment on both
14 parts of your question.

15 First, I think technology and the Internet
16 in particular absolutely changes the role of
17 leadership. Now I am a business leader not a
18 politician, so I can't comment on how it changes the
19 role of politicians, but I can say that the role of a
20 CEO absolutely changes because what all of this
21 technology and interconnection means is that
22 knowledge is no longer power, because everyone has

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1 access to knowledge, and the presentation of an issue
2 can no longer be controlled.

3 And so for a CEO the rule becomes more one
4 of creating an environment, instilling values, making
5 sure that the position on an issue is winning because

6 of its logic, because of its inspiration, because it
7 is compelling, as opposed to being able to control
8 the positioning of that issue.

9 But I do think that the role of a CEO is
10 fundamentally different in this new age with this
11 new technology than the role of a CEO even ten years
12 ago.

13 On the subject of China, I agree with Tom
14 absolutely. China's entry into the WTO, the granting
15 of permanent MFN status of China I think is vital,
16 and having travelled to China for, every often, for
17 the last decade, my firm belief based on experience
18 is the very technology that many fear the Chinese
19 having access to, that same technology is the tool I
20 believe that will bring about the changes that we
21 seek in China in terms of the gradual, stable
22 democratization of both the social systems and the

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1 political systems.

2 And the Chinese deep in their hearts know
3 that because they see the power of the technology
4 every day in their societies. I think it is critical
5 to our interests.

6 CHAIRMAN LEAVITT: Eric?

7 ERIC SCHMIDT: I agree with Tom and Carly
8 very much.

9 with respect to your question about the
10 relevance of political parties, there has been a
11 great deal written about the decline of community

12 senses of self, and who am I, and so forth and so on.

13 My view of that is it is a very pessimistic view.

14 People may not be in the traditional
15 parties and affiliations, but they are in new ones.
16 And they are in different ones.

17 I have been impressed by the ability of
18 people to join all sorts of special interests this or
19 that in this new medium.

20 If you follow this notion of the world
21 that we are going to spend time on, and the number of
22 hours that people are spending on line in strange new

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1 places, it is going to be very important for the
2 political establishments in the traditional
3 structures to reach out to those and to learn which
4 ones make sense.

5 And I haven't seen up until now anybody
6 really exploit any of those new communities, maybe
7 because they're too new, but I think it is a very
8 real issue for the next few years.

9 CHAIRMAN LEAVITT: Tom has one--

10 THOMAS FRIEDMAN: I just wanted to add one
11 thing for Governor Thompson, to pick up on something
12 Carly said, which is that in the Cold War the little
13 sign on your desks of your predecessors said "The
14 Buck Stops Here," because there was a world of walls
15 and it was a slow system and you could wait for all
16 information to come up to you, and the system could
17 wait for it to come down.

18 Now the sign says: The Buck Starts Here.
19 Your job basically is to lay down the
20 broad strategy, it seems to me, whether you are a
21 corporate chieftain or a state chieftain, but
22 basically to empower people down the line, because

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1 you don't have time for the buck to get to you for
2 this to work.

3 So we've gone from The Buck Stops Here to
4 The Buck Starts Here.

5 GOVERNOR ENGLER: Mr. Chairman?

6 CHAIRMAN LEAVITT: Governor Engler.

7 GOVERNOR ENGLER: Just one question. The
8 central responsibility of Governors deals with
9 education, and we all struggle with that.

10 I am just curious--this has been a
11 stimulating discussion this morning--if the panelists
12 think that there is any looming breakthrough in terms
13 of the speed at which we can bring education reform
14 online.

15 It does seem to me that as an institution
16 where we spend \$350 billion annually as a Nation,
17 that in education most of us are confronted with the
18 response that it's going to take time.

19 But you've just talked about faster is
20 always better, and the speed with which we bring
21 education reform up it seems to me will be critical
22 to our ability to compete globally. Because if we

1 open the door as this is doing to knowledge on a
2 global basis, if we are lagging in education and
3 we're being told that it will take a generation to
4 turn an intercity school around, it will take a
5 long time to bring new content, higher standards, we
6 are going to leave a lot of people behind in the
7 dust.

8 CHAIRMAN LEAVITT: Governor Engler, a very
9 good comment. I regret deeply that we are going to
10 have to bring this discussion to a close.

11 As Tom Friedman said, no one is driving
12 the train. I want to make darn certain that that is
13 not the case today.

14 I would like to thank Tom, and Carly, and
15 Eric.

16 Eric made an extraordinary trip literally
17 across the world to get here just in time, and we
18 appreciate so much your willingness to be here, all
19 three of you.

20 This will bring to a conclusion this
21 plenary session. However, we are going to move
22 directly into an executive committee session, which I

1 aspire to make the most efficient executive committee
2 session in the history of this organization. It will
3 be very short.

4 Before we move to that, however, there are
5 just a couple of announcements I would like to make
6 of interest to all.

7 First--

8 (Pause.)

9 Governor Glendenning has made a very good
10 suggestion. That is, that we are all ready to give a
11 very spontaneous and heartfelt round of appreciation
12 to our speakers. This is a very good moment for that
13 to happen.

14 (Applause.)

15 CHAIRMAN LEAVITT: I would like as well
16 for us to recognize the presence of the White House
17 staff members, Micky Ibara, who serves as Assistant
18 to the President for Intergovernmental Relations, and
19 Ray Martinez, who is the Deputy Director of
20 Intergovernmental Affairs. They are both here. They
21 work hard on our behalf. Could you please stand and
22 let us recognize you and thank you for your presence.

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1 (Applause.)

2 CHAIRMAN LEAVITT: Now, a couple of brief
3 announcements before anyone leaves. May I just say I
4 would like to remind the Governors that the Governors
5 only luncheon and work session will begin at 12:00
6 o'clock in Salon I on this level.

7 Secondly, the committee sessions will
8 follow at 12:30 and they will begin in the rooms that
9 are assigned, again on this level.

10 Governors will have to provide their own
11 transportation to the White House this evening.
12 Buses for the White House meeting tomorrow will
13 depart the hotel at 9:00 o'clock sharp from the
14 Pennsylvania Avenue entrance.

15 And again a reminder that the deadline for
16 the submission of written policy changes under
17 suspension of the Rules is Monday at 5:00 o'clock.

18 This will be the adjournment of our
19 plenary session.

20 (Whereupon, at 11:35 a.m., Sunday,
21 February 29, 2000, the plenary session was
22 adjourned.)

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1 NATIONAL GOVERNORS' ASSOCIATION
2 2000 WINTER MEETING
3 * * *
4 PLENARY SESSION
5
6 J.W. Marriott Hotel
7 1331 Pennsylvania Avenue, N.W.
8 Grand Ballroom
9 Washington, D. C.
10
11 Monday, February 28, 2000
12 2:40 p.m.
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1 P R O C E E D I N G S
2 (2:40 p.m.)
3 CHAIRMAN LEAVITT: Welcome to our
4 afternoon plenary session. Today we will speak of
5 higher education, and it is important in our global
Page 1

6 economy as we as states begin making this very
7 important and complex transition.

8 As we discussed yesterday in our plenary
9 session, the new economy is being propelled by
10 growth, growth from smaller high-growth companies
11 that are commonly referred to as gazelles. Now these
12 are companies that are typically created and driven
13 by entrepreneurs.

14 Entrepreneurs are essentially the change
15 agents of this new economy. They are providing a
16 mechanism for reallocation of resources to the most
17 productive use.

18 To better understand the current state
19 policy environment that we are in and the environment
20 in which entrepreneurs will operate, the NGA Center
21 for Best Practices, with the support of the Kaufman
22 Center for Entrepreneurial Leadership, has created an

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1 inventory of state policies and programs that will
2 support entrepreneurship. This report will be placed
3 at your table today.

4 I am pleased to announce that the NGA
5 Center, with a grant from the Kaufman Center, has
6 entered into an agreement to convene a policy academy
7 for six to eight states to assist them through an
8 intensive 18-month program of technical assistance in
9 creating and in changing their economic development
10 and education policies to encourage this
11 entrepreneurial spirit and activity and growth.

12 I would like to express appreciation on
13 behalf of the Association to Kirk Muller, the
14 President of the Kaufman Center, and who is also the
15 Chairman of the National Commission on
16 Entrepreneurship. We look forward to this
17 partnership.

18 I would like to recognize for just a
19 moment at the beginning our session the Governor of
20 the Territory of American Samoa.

21 Governor, we are pleased for you to make--
22 I think you have some comments that you would like to

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1 make. You could make them up here, or you could make
2 them from your seat if you would like to. We'll save
3 you the walk.

4 You can just tap the button, or you can
5 come around. It will give you a little exercise,
6 then.

7 (Laughter.)

8 GOVERNOR SUNIA: This is my one chance to
9 stand here. I am going to take it.

10 (Laughter.)

11 CHAIRMAN LEAVITT: For those of you who
12 couldn't hear, he said this is his one chance to
13 stand here and he is going to take it.

14 (Laughter.)

15 CHAIRMAN LEAVITT: Governor, we are
16 delighted to have you here to occupy this podium.

17 GOVERNOR SUNIA: Thank you, Governor.

18 Mr. Chairman, I am going to make this as
19 brief as I can. Lucky for you, I have forgotten to
20 bring my tourist brochures, and so it will be very
21 brief.

22 American Samoa, as you know, is one of the

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1 five territories of the United States. We are the
2 southernmost boundary of the United States way down
3 there in the South Pacific surrounded by all
4 different independent nations.

5 In the year 1900 on April 17th the United
6 States took over part of the Samoan Islands which has
7 been known ever since as American Samoa.

8 It is a smaller part of the nation. The
9 larger part is still independent and was called
10 Western Samoa.

11 It is now called just plain Samoa.
12 American Samoa this April will celebrate the 100th
13 year of its partnership with the United States as a
14 territory. We are going to have a year-long
15 celebration. I have sent letters to all of you
16 inviting you to come.

17 Anybody that is anybody here, we are going
18 to sink the island that one month, hopefully-- I
19 hope not. I hope it will still stay afloat after
20 everybody comes but, in case you can't make it, or
21 even if you make it, I have brought you--this came
22 right out of the mint, it was waiting for me in

1 Washington--the medal commemorating that occasion.

2 You even have--I was surprised. They have
3 a little certificate of authenticity there signed by
4 me.

5 (Laughter.)

6 GOVERNOR SUNIA: I wasn't aware of that,
7 but it just goes to--

8 (Laughter.)

9 GOVERNOR SUNIA: --it just goes to show
10 that they do lift your signature every now and then
11 and put it on things without your knowledge.

12 So, anyway, my staff will be distributing
13 the medals to you. It has President McKinley on the
14 face of the medal.

15 He was the President that accepted
16 American Samoa from our Chiefs. What had happened
17 was, in the age of imperialism when they were carving
18 up the world into areas of influence, Germany, Great
19 Britain, and the United States met over the fate of
20 many of the Pacific islands.

21 The United States, of course, opted for
22 this one with a great natural harbor, one of the best

1 natural harbors in the world, for its Navy.

2 That is how we ended up in the United
3 States family, and we have had two plebiscite ever

4 since. American Samoans consider themselves
5 Americans, no less than New Yorkers and L.A.'s, and
6 whatever. So, we have decided that this is our lot.
7 There is not an American Samoan left that wasn't born
8 under the American flag.

9 We are very proud to be Americans,
10 celebrating our 100th year this year, and if you
11 can come we promise you one of the last remaining
12 real cultural entities within the United States
13 family.

14 Thank you, Mr. Chairman, and I have had my
15 1st chance here. Maybe a second term I'll be here a
16 little longer.

17 (Laughter.)

18 (Applause.)

19 CHAIRMAN LEAVITT: Thank you, Governor.
20 The territory of American Samoa and the other
21 territories represented by this organization are
22 valued members and we are pleased that you are here

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8

1 and able to occupy this podium.

2 Our session today deals again with the
3 global economy and how we, as states, will be
4 required to adapt and to change the way we organize
5 ourselves and respond in order to maintain
6 prosperity.

7 One of the fundamental changes that will
8 occur is that we will be a society that will be
9 defined by bandwidth, speed, connectivity, and

10 knowledge.

11 Our session today is to speak of
12 knowledge. For hundreds of years, people have
13 gone to college and university campuses for the
14 purpose of being able to receive knowledge. It is
15 the place that we have stored it, the way we have
16 enhanced it, and the place that we have chosen to
17 pass it on to the next generation.

18 But something very fundamental is changing
19 in our world, and that is that people now don't come
20 to college campuses necessarily. Information goes
21 where the people are and, as a result, it is
22 fundamentally changing the way we view education, its

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9

1 delivery, and its measurement.

2 Over the course of the next decades to
3 come, prosperity in our society will not be earned
4 simply by educating a steady stream of new students
5 or of new workers, and then sending them out into the
6 work force to earn a living and to contribute to
7 society.

8 The successful civilizations in the future
9 will be those that are capable of raising the entire
10 level of learning in their society and in their
11 nation rapidly and repeatedly.

12 This is a fundamental change in the
13 mission of higher education.

14 So today we will focus on the questions
15 of:

16 How is it delivered?
17 And how is it measured?
18 Now to set this discussion up, I would
19 like to tell you two brief stories.
20 The first story is a conversation I had
21 with a major high-technology Chief Executive Officer
22 who said to me:

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10

1 My biggest problem is, I have a \$10
2 billion company but if I miss one product cycle, I am
3 dead. The stock market will punish me. My
4 competitors will punish me. It will cost my
5 employees a place to work. This is serious pressure,
6 but I have to keep progressing every product cycle,
7 and I am not receiving workers who are able to
8 advance with the technologies of the day rapidly
9 enough.

10 The second story:

11 I went to a small high school in my state
12 in rural Utah, six or seven hours from the capitol.
13 I met an English teacher who had caught the vision in
14 his high school of what technology could do, not to
15 replace good teaching, but to be a powerful tool in
16 the hands of teachers.

17 He got some grant money that wasn't quite
18 enough, and so, in order to wire their school, he
19 found 12 enterprising, willing young high school
20 students. As a summer project, they wired their high
21 school, fiber from front door to back.

22 Then they got some computer equipment and

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11

1 again they could get the equipment but, they are
 2 seven hours, seven hours from the state capitol, at
 3 an early stage in networking, no one knew how to put
 4 it together.

5 He gathered the same 12 enterprising high
 6 school students together. They entered a major
 7 vendor's home study program and figured it out, and
 8 became factory-certified repair people for this
 9 equipment, installed it, and got it working.

10 Now this teacher began to catch the
 11 vision. A community college about 50 miles away
 12 invited him to begin teaching technology courses.

13 He is an English teacher, but he knows a
 14 lot now. He's figured it out. He's made it work.
 15 He finds that he likes it. He understands it. He
 16 wants to pursue it.

17 He decides he will get a Master's Degree.
 18 Applied at a major university. He was denied access
 19 because he had not taken the prerequisite courses in
 20 order to be admitted.

21 He went to see a counselor. The counselor
 22 and he concluded that, if he had taken every course

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1 he had taught he would in fact qualify.

2 We measure the wrong things.

3 We measure the progress, not the outcome.
4 The global economy will value competency.
5 It must also measure competency.

6 Today, we are going to hear from a panel
7 of higher education experts who have, in their own
8 way, contributed to this debate substantially and in
9 a meaningful way.

10 I would first like to introduce Sir John
11 Daniel. Sir John Daniel is the Vice Chancellor of
12 the British Open University.

13 The Open University has been a pioneer in
14 the development of distance learning. It is the most
15 successful distance learning university in the United
16 Kingdom.

17 The University reaches a large number of
18 students--over 200,000 students--at costs of 50
19 percent below the average of the other United Kingdom
20 universities and they offer high-quality courses.

21 The U.K. has a system of rating the
22 quality of their courses, and they have routinely

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13

1 been rated among the top universities in the U.K.,
2 including some notable names and traditions.

3 He has served as the President of the
4 University in the United Kingdom, in Canada, and also
5 in the U.S. where they have started a subsidiary, the
6 Open University of the United States.

7 He is the author of a book, MEGA-
8 UNIVERSITIES AND THE KNOWLEDGE MEDIA. It is a great

9 pleasure to introduce to you Sir John Daniel.
10 (Applause.)
11 SIR JOHN DANIEL: Thank you very much,
12 Governor.
13 I thought that in this conference on new
14 technology it took a Brit to risk actually using some
15 technology in a presentation.
16 So if you will bear with me while I get
17 that just going, we should be all set.
18 (Pause.)
19 (Slide.)
20 Governor, fellow guests, ladies and
21 gentlemen:
22 Thank you very much, Governor Leavitt, for

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1 inviting me to this historic meeting. Ever since
2 Governor Leavitt and I explored the synergies between
3 the Western Governors University and the Open
4 University, I have had a profound admiration for his
5 commitment to the renewal of higher education.
6 Postsecondary education is now high on
7 your agendas for strengthening your states, and I
8 expect that, although you are rightly proud of your
9 state's university system, you believe that new
10 realities call for new approaches.
11 Your universities are challenged by the
12 electronically enhanced global economy described so
13 compellingly yesterday by the speakers we heard.
14 My title is Renewing Universities For The

15 New Economy. I say 'renewing,' because starting over
16 again is clearly not an option.

17 America already has the world's most
18 extensive higher education and, while the creation of
19 some new institutions such as the Western Governors
20 University and I hope the United States Open
21 University can help to promote change in the wider
22 system, your overriding aim must be to target the

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15

1 intellectual firepower of the existing public,
2 private, and for-profit institutions at the needs of
3 the future.

4 I hope to illuminate your task through the
5 experience of the Open University in the U.K. and the
6 U.S..

7 (Slide.)

8 (Slide.)

9 Given that Anglo-American spin, I want to
10 leave you with two quotes from the great Anglo-
11 American statesman, Winston Churchill, who once said:
12 "Sometimes doing your best is not enough. Sometimes
13 you must do what is required."

14 (Slide.)

15 So what does the new economy require?

16 I have to confess that in my first
17 encounter with the old U.S. economy I helped to
18 debase the coinage. That was in 1965 when with the
19 freshly minted degree in Metallurgy from Oxford
20 University in the one hand and a brand-new green card

21 in the other I arrived in New Haven, Connecticut, to
22 help develop an alloy to replace silver in dimes and

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1 quarters.

2 Those silver coins would have soon been
3 worth more than their face value if melted down,
4 which would have been the '60's equivalent of a good
5 dot.com stock today.

6 (Laughter.)

7 SIR JOHN DANIEL: So we had to find an
8 alloy that looked like silver, behaved like silver in
9 vending machines, but cost less than silver.

10 You have in your pockets and purses coins
11 of the sandwich alloy we developed, and I am proud
12 that I played a minor role in helping the sandwich
13 stick together.

14 (Slide.)

15 I think there are three parallels between
16 renewing our universities for the new economy and
17 changing our coinage 30 years ago.

18 First, we must reduce the costs of higher
19 education.

20 Second, we need graduates who can make the
21 vending machine of the new economy work.

22 (Slide.)

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1 Third, just as we had to weld three strips
2 of metal together to get something that looked and
3 behaved like silver, renewing universities for the
4 new economy combine several objectives.

5 Two realities define the new agenda for
6 postsecondary education: lifelong learning and
7 technology.

8 Now we all talk about the era of lifelong
9 learning and the term rolls easily from the lips of
10 educators like myself.

11 (Slide.)

12 But surveys show it doesn't much appeal to
13 many ordinary people because it sounds like a life
14 sentence in an institution that they disliked,
15 namely, school.

16 what does that tell us?

17 It tells us that, if people are to want to
18 learn regularly throughout life, they need more from
19 their initial education. The K-12 system must make
20 kids enjoy learning and give them the solid
21 foundation that creates the society of e-inclusion
22 that Carly Fiorina spoke about yesterday.

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1 (Slide.)

2 Then their first experience of college
3 must give them a degree of flexibility and not the
4 illusion of a degree for life.

5 Last week my wife and I became curious
6 about the term "sophomore," so we looked it up and

7 found that Webster defined the word "sophomoric" as
8 conceited and overconfident of knowledge but poorly
9 informed and immature, which I suggest is a very
10 good definition of what we don't want in the new
11 economy.

12 (slide.)

13 we need people who can ask good questions,
14 not people full of answers and we need fast learners.
15 So lifelong learning means strengthening initial
16 education.

17 The second implication of lifelong
18 learning is that higher education must become more
19 accessible, diverse, and flexible.

20 (slide.)

21 It means helping people learn what they
22 want, when they want, and where they want. Today,

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1 large numbers of adults with work and family
2 responsibilities need to move on from their community
3 college degree or maybe finish the Master's they
4 never completed.

5 For many such people, going to class is
6 not an option, and they are a much bigger group than
7 the 18- to 22-year-olds. Lifelong learning also
8 means helping such people become independent
9 learners. Just think of the impact on the economy if
10 we all became ten percent more effective at acquiring
11 new knowledge quickly by ourselves.

12 Third, lifelong learning means a new

13 concept of quality. People want the assurance that
14 what they learn will be up to date and will give them
15 competencies that employers value.

16 In short, citizens are interested in the
17 output of higher education for themselves. But as
18 Governor Leavitt said so tellingly just now, most
19 universities are still focused on inputs.

20 An undergraduate program is good if the
21 entering freshmen have good high school grades, and a
22 quality graduate program is one that recruits people

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1 with high grade point averages.

2 But in an era of lifelong learning, that
3 misses the point. The only valid measures of quality
4 are the outputs of the programs.

5 And fourth, because lifelong learning
6 means more education and training, it must also mean
7 cutting the costs of education for two reasons, I
8 think.

9 (Slide.)

10 First by improving productivity IT is
11 cutting the costs of almost everything, and that is
12 why the new economy is giving us growth without
13 inflation. And universities must join this trend to
14 higher productivity and lower costs.

15 Second, as you know only too well, e-
16 commerce threatens sales tax revenues.

17 So there are challenges ahead for
18 government revenues. And if citizens have to bear

19 more of the costs of education and training
20 themselves, then their governments should at least
21 help them to get value for money.
22 The quality assurance role of the states

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1 in this busy postsecondary market, with many new
2 providers is of course a speech in itself.
3 So, so much for lifelong learning whose
4 implications I summarize in this eternal and
5 eternally challenging triangle of access, quality,
6 and cost.
7 As Governors you have to balance the
8 tensions in that triangle almost daily in making
9 public policy. Yesterday it was called your "golden
10 straitjacket."
11 What we want of course is wider access,
12 better quality, and lower costs, which sounds
13 impossible but I bring you the good news that it is
14 deliverable.
15 (Slide.)
16 It is deliverable through technology,
17 which is the second key feature of the new economy.
18 Technology--information technology, in particular--is
19 central.
20 IT is the productivity motor that drives
21 the new economy forward. IT is changing the spatial
22 organization of society, where and how we live, and

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22

1 the rapid development of IT continually challenges
2 all citizens to change but also provides tools to
3 help us adapt.

4 (slide.)

5 The tools of technology can be used on a
6 large scale to renew higher education and to change
7 the shape of this eternal triangle of access, cost,
8 and quality and I give you the example of the Open
9 University.

10 (slide.)

11 The Open University was a political
12 creation. Indeed, most significant innovations in
13 higher education have been driven by politicians
14 whatever academics say. Here three politicians have
15 four objectives.

16 Prime Minister Harold Wilson wanted to
17 increase access for working adults and to use
18 technology for learning and teaching.

19 Jennie Lee, the Minister who got the show
20 on the road, wanted to prove that a technology-based
21 university could be as good as the best.

22 (slide.)

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23

1 And Margaret Thatcher, she of the "golden
2 straitjacket," wanted to reduce the costs of higher
3 education.

4 Coincidentally, the launch of the Open
5 University happened in the week of the first moon

6 landing in 1969.

7 Everything seemed possible and the
8 University was given an ambitious mission: To be
9 open as to people, open as to places, open as to
10 methods, and open as to ideas.

11 (Slide.)

12 Fast forward 30 years to the launch of the
13 United States Open University, which added two
14 further goals for today's web-enhanced global
15 economy: To be open as to time and open to the
16 world.

17 So what has the Open University achieved
18 and how? And I will tell the story in terms of the
19 triangle of access, quality, and cost.

20 This year the OU has 170,000 students in
21 degree credit courses including 1400 Doctoral and a
22 Graduate school of 40,000.

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1 (Slide.)

2 And then there are another 60,000 or so in
3 continuing education and professional development,
4 including 35,000 teachers learning to use IT in the
5 classroom.

6 who are all these people?

7 They are mostly working adults. They span
8 the age range from the teens to the 90's, and they
9 have a broader socioeconomic profile than most
10 universities.

11 we have just admitted 50,000 new students,
Page 19

12 and nearly 15,000 of them are on fee waivers or
13 financial assistance.

14 where are they? Most are in the U.K., but
15 there are 30,000 students in the rest of the world,
16 so openness to places, globalization, is very real
17 for us.

18 But now what about quality?

19 Britain has a state-run quality assessment
20 system, as Governor Leavitt said, that--a state-run
21 quality assessment, I have to say, that alarms
22 visiting American academics who worry lest it comes

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25

1 soon to a theater near them.

2 (Slide.)

3 I would admit that there may be some
4 overkill, but British bureaucrats believe that
5 nothing succeeds like excess.

6 (Laughter.)

7 SIR JOHN DANIEL: However, the system does
8 allow us to make direct comparisons between campus
9 universities and the Open University.

10 what do they show?

11 In research the Open University ranks in
12 the top third of U.K. universities, and some of its
13 research is world-leading.

14 One research team is going to put a lander
15 on Mars to find out whether there is life there, and
16 they keep asking me for more money so I keep my
17 fingers crossed that their lander, Beagle II, doesn't

18 disappear into a deep hole like the last mission to
19 Mars.

20 In teaching, the Open University ranks in
21 the top 10 percent of U.K. universities. This is a
22 list of the elite universities where most programs

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1 are rated as excellent and the OU is well up on the
2 list.

3 (Slide.)

4 Indeed, last year all the OU programs
5 assessed received excellent ratings, including
6 subjects that require lab work.

7 I was particularly proud of the result for
8 General Engineering, where the Open University was
9 the only English university to score full marks.

10 (Slide.)

11 Oxford and Cambridge, who also have pretty
12 good schools, got lower marks. So here is a
13 university with a high-quality output but few
14 restrictions on access.

15 To have broken that historic but
16 insidious link between quality and exclusivity in
17 higher education is the Open University's proudest
18 achievement, and it is a transferable technology.

19 what about costs?

20 (Slide.)

21 The big open universities around the
22 world, which I have called the mega-universities,

1 have per student costs that are much lower than the
2 campus universities in the same country.

3 For the U.K., government figures show that
4 the total cost of a Bachelor's Degree, counting
5 expenditure from all sources, is about 50 percent
6 less than the average cost on campus.

7 These low costs are possible partly
8 because most of the money goes directly into teaching
9 and learning. I would estimate that the Open
10 University has saved the U.K. government the capital
11 costs of building about ten campuses.

12 So why has this happened?

13 How has the Open University managed to
14 reconfigure the eternal triangle?

15 It does so by being a learning system with
16 four key elements:

17 First, high-quality multimedia learning
18 materials.

19 Second, each student gets strong personal
20 support. An associate faculty member is assigned to
21 every 20 students and feels personally responsible
22 for the progress of each. I enrolled as a student

1 myself last year, and I did feel very well
2 supported.

3 Third, this huge learning system relies on

4 good logistics and administration. As we all found
5 last year during America's first e-Christmas,
6 successful e-services depend on getting the services
7 right as well as getting the "e" right.

8 (Slide.)

9 Fourth, we are convinced that having OU
10 faculty active in research helps to create the
11 intellectual buzz that students find so
12 attractive. And by being a learning system, the Open
13 University has done more to institutionalize
14 innovation than any university I know.

15 It was created in the television age but
16 today with 90,000 students online from home, it is
17 leading the academy into the age of e-learning.

18 In the short time since I began speaking--
19 since this is evening in Britain--students will have
20 exchanged around 4000 messages on the Net.

21 There is a stimulating traffic of ideas
22 between the U.K. Open University and the U.S. Open

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1 University whose first students began their studies
2 this month.

3 The U.S. OU is benefiting from courseware
4 and ideas that work well in the rest of the world,
5 and the U.K. OU is getting ideas for its own future
6 from watching the U.S. OU launch into the America of
7 the 21st century.

8 (Slide.)

9 So let me close with an example of Anglo-

10 American synergy related to one of your key
11 challenges, namely, the improvement of the K-12
12 system.

13 The Open University is a learning system
14 created by the teamwork of thousands of staff, which
15 is not quite the same as Clark Kerr's famous
16 definition of a university as a collection of
17 academic entrepreneurs united by a common grievance
18 over parking.

19 (Laughter.)

20 (Slide.)

21 And because the OU learning system
22 delivers quality at scale, the U.K. government often

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1 asks for its help with national goals, notably in the
2 K-12 school system.

3 (Slide.)

4 Two recent examples are:

5 First, the initial training of teachers in
6 shortage areas;

7 And second, giving practicing teachers the
8 skills to use IT in their classrooms.

9 (Slide.)

10 In the first example, the U.K. government
11 discovered that there are significant numbers of good
12 people with degrees in shortage subjects like
13 mathematics and science who are doing other jobs in
14 the work force but who would like to make a career
15 switch into K-12 teaching if they could train for it

16 part-time.

17 So we developed such a program, and it has
18 been a great success and this year produced some five
19 percent of all the U.K.'s new math and science
20 secondary teachers as well as creating fruitful
21 partnerships with the schools often in the cities
22 where trainees do their practice teaching.

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1 (Slide.)

2 This program has been adopted by Charlie
3 Reid, the Chancellor of the California State
4 University, as a model for the Cal-State Teach
5 System, which is now allowing hundreds of California
6 teachers with emergency permits to gain their full
7 credentials.

8 If California shares the U.K. experience,
9 these people will make excellent teachers and will
10 stay in the professions.

11 In these K-12 programs scale is crucial
12 because large numbers and high quality go together.
13 And that is also true in our Learning Schools'
14 Program, which is a government-supported partnership
15 between the Open University and a major computer
16 vendor to train working teachers in the schools to
17 use computers effectively in the classroom.

18 We launched in November and already there
19 are 35,000 teachers in the program and feedback is
20 excellent.

21 (Slide.)

22 I know that both these areas of teacher

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1 training are of concern to you, and we would be
2 pleased to share the know-how if any of you are
3 interested in similar programs.

4 The U.S. Open University, which shares the
5 open university philosophy of service to public
6 policy, even though it receives no public funds, is
7 ready to help with your states' teacher education
8 agenda through a public-private partnership.

9 (Slide.)

10 Dr. Richard Jarvis, the Chancellor of the
11 U.S. Open University, who was formerly Chancellor of
12 the university and community-college system in
13 Nevada, is here with us today.

14 He can also tell you about a distance
15 learning course on the art of political campaign
16 management that we are offering with the American
17 University of Washington, D.C., which may be just
18 what is needed to help some people get elected in
19 what promises to be an interesting campaign year.

20 (Slide.)

21 I said that I would quote Winston
22 Churchill twice. What Winston Churchill also said

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33

1 was:

2 "America will always do the right thing
Page 26

3 after having exhausted all other possibilities."

4 (Laughter.)

5 SIR JOHN DANIEL: So I hope that my
6 remarks and the experience of the Open University can
7 help your states to do the right thing to renew your
8 universities for the new economy.

9 It has been a privilege to address you.

10 (Applause.)

11 CHAIRMAN LEAVITT: Thank you, Sir John.
12 Sir John, could you tell us--other Governors will
13 want to ask you some questions--but I would like to
14 get started by asking you to talk a little bit about
15 the development of your materials.

16 How do you avoid just presenting bad old
17 correspondence courses?

18 How are you achieving the kind of quality
19 that you currently are demonstrating to those who
20 evaluate you?

21 SIR JOHN DANIEL: Thank you, Governor. I
22 think the key technology there is a soft technology.

□

1 It is simply to develop courses in teams, because the
2 great advantage of operating at the kind of scale we
3 do is you can make very considerable investments in
4 course development and still end up with the per
5 capita cost that is very low.

6 So we put together teams--sometimes rather
7 large teams--of academics, instructional designers,
8 all sorts of people who will work for a period of up

9 to two years in order to develop a course that is not
10 only at the cutting edge academically but is also, we
11 believe, very good teaching material and very
12 student-friendly.

13 So that is really the key to that.

14 CHAIRMAN LEAVITT: Thank you.

15 Are there questions from the Governors?

16 Governor Patton?

17 GOVERNOR PATTON: Do you use, in
18 cooperation with other universities, courses provided
19 by other universities which is common in the United
20 States.

21 The Southern Governors' group is doing
22 that. We in Kentucky are putting together eight

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1 universities and providing courses to some.

2 But we are providing courses from existing
3 universities rather than just generating whole new
4 courses.

5 How would you describe your operation?

6 SIR JOHN DANIEL: We are still doing that
7 to a very limited extent, but I think it is going to
8 grow now that more of the other universities are
9 beginning to prepare good course materials but don't
10 necessarily have the kind of delivery system that we
11 have.

12 what we have always done is to make
13 massive use of the faculty of other universities,
14 both as our associate faculty and also as experts,

15 either in the television components of courses or to
16 write particular written materials.

17 But I think you are beginning to see now a
18 disappearance of the kind of not-invented-here
19 syndrome which, up until quite recently, tended to
20 limit the amount of course trading between
21 institutions.

22 GOVERNOR PATTON: But the Open University,

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1 does it grant credits in the name of the Open
2 University? Does it grant degrees in the name of?

3 SIR JOHN DANIEL: Oh, yes, yes. We are a
4 full degree awarding institution, yes.

5 CHAIRMAN LEAVITT: Governor King.

6 GOVERNOR KING: How do you actually
7 deliver the courses? Is it Internet, ITV? Do you
8 have a campus at all anywhere?

9 SIR JOHN DANIEL: We have a campus which
10 is where the staff work, but I mean most students
11 would never see that campus.

12 It is essentially a mixture of materials
13 that go to the students by a variety of delivery
14 mechanisms: the regular mail, the Internet. We do 20
15 hours a week broadcasting on television which of
16 course picks up another audience.

17 But then each student has a local
18 associate faculty member who will hold group meetings
19 as that is possible by numbers and geography, and is
20 also responsible really for the care and feeding of

21 each student.

22 So it is a combination of, if you like, an

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1 industrial-scale operation in terms of producing
2 learning materials but keeping students in quite
3 small groups with close supervision when it comes to
4 the way that they are supported.

5 CHAIRMAN LEAVITT: Governor Hodges and
6 then Governor Hunt.

7 GOVERNOR HODGES: Yesterday in our
8 discussion we talked about how a number of
9 traditional businesses are creating their own dot.com
10 enterprises because of the threat from Internet-based
11 businesses.

12 I am curious about whether you are seeing
13 a trend around the world of other universities
14 feeling threatened by this and beginning to develop
15 their own Internet-based universities.

16 SIR JOHN DANIEL: Yes, that is certainly
17 happening. It is happening so quickly it is very
18 difficult to get a real feel for it.

19 My impression is that so far a lot of
20 Internet courses have been developed, but what they
21 are primarily doing in most cases is to enrich the
22 environment for basically the existing students.

□

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1 I am not aware of people who have launched
2 Internet courses and tapped into a large, new market,
3 but clearly that will come.

4 We ourselves are beginning to ask whether
5 in the age of the Net we need to be quite as
6 restrictive as we are in only operating in places
7 where we can have on-the-ground associate faculty who
8 can look after people.

9 CHAIRMAN LEAVITT: Governor Hunt.

10 GOVERNOR HUNT: Sir John, are the
11 associates really close by these learners physically,
12 or are they centered somewhere and they just stay in
13 touch with them?

14 SIR JOHN DANIEL: No. We try and have
15 them close to the students. I mean, to give you the
16 scale of it, we have about 7500 associate faculty
17 spread all over the U.K. and Europe.

18 So if you are in say Aberdeen, Scotland,
19 and you are taking a first-year course, chances are
20 your tutor will be in Aberdeen.

21 If you are taking a third-year course in
22 Laser Physics, chances are your tutor may be in

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1 Scotland but he is not likely to be in Aberdeen.

2 It is obviously a sort of geography, but
3 there again the scale is very helpful because the
4 more students you have the more you can provide
5 services on the ground.

6 GOVERNOR HUNT: That is what I really

7 wanted to get at.

8 One of the great things you do say as an
9 undergraduate is to develop judgment, and that comes
10 at least in my experience in being engaged and
11 hearing things and challenging and provoking and
12 sorting all that through.

13 So they do get together at times and the
14 students can experience some of this?

15 SIR JOHN DANIEL: Yes, they do. And in
16 fact those sessions are aimed exclusively at that
17 sort of interaction rather than being lectured out.

18 Now a lot of that moves very well onto the
19 Net.

20 I said that students were exchanging
21 thousands of messages sort of a minute, and that is
22 partly because there are something like 7000 computer

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1 conferences going associated with courses where
2 students can discuss.

3 This can be just as challenging as the
4 face-to-face thing, although I wouldn't want to
5 substitute that.

6 In fact our U.S. Board made it very clear
7 to us when we came here that they wanted to keep that
8 face-to-face element wherever possible.

9 CHAIRMAN LEAVITT: Governor Engler.

10 GOVERNOR ENGLER: Just a couple of
11 questions.

12 Does the Open University own the content?

13 In other words, if we hire Professor X from the
14 faculty, he has a contract with the Open University
15 and then his work is, his intellectual--

16 SIR JOHN DANIEL: Yes.

17 GOVERNOR ENGLER: --property is yours,
18 then?

19 SIR JOHN DANIEL: We have been very strict
20 about that from the beginning. The copyright is
21 vested in the Open University.

22 GOVERNOR ENGLER: Do you have a situation

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1 where the-- So, he may still be a full-time faculty
2 member at another university but have developed a
3 product and sold that to you almost like a
4 consultant?

5 SIR JOHN DANIEL: Well they would very
6 rarely do that sort of as an individual, but if he
7 were pulled into a team say because he was an expert
8 that we needed to do a television program on the work
9 in his laboratory, he would cede all rights to the
10 Open University. Because our experience is that even
11 within your own sort of teaching system, but
12 especially if you want to sell that material alone or
13 use it elsewhere, you simply have to have the
14 copyright. Otherwise, it is a complete nightmare
15 tracing who owns bits of it.

16 GOVERNOR ENGLER: The students themselves,
17 do you have dual enrolled students that maybe are
18 attending, may be in residence on a university campus

19 but also would take maybe a preliminary course or a
20 lower-level course on the Open University? Have you
21 got shopping based on price, yet?

22 SIR JOHN DANIEL: To a very limited extent

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1 in the U.K., and that is because our academic year
2 doesn't coincide with the regular academic year so it
3 is quite difficult.

4 But in the two Canadian Open Universities
5 that I know of it is something like 30 or 40 percent
6 of the students are duly registered at the Open
7 University and at a campus.

8 GOVERNOR ENGLER: And the residential
9 campus at a university is recognizing those credits
10 in full?

11 SIR JOHN DANIEL: Oh, yes, absolutely.
12 No, both ways. I mean, we get a lot of students in
13 whose credit we recognize from other universities and
14 a lot of our students go on and finish elsewhere, and
15 that works absolutely fine.

16 CHAIRMAN LEAVITT: We are beginning to get
17 some momentum to this discussion, and I want to shift
18 it into overdrive by going to some panelists, but I
19 am going to ask Governor Graves if you would ask your
20 question, and then we will go to the next, and we'll
21 get this discussion going on a more broadly based
22 basis.

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1 GOVERNOR GRAVES: I was going to ask Sir
2 Daniel to give us more of a profile of the student
3 body of this University.

4 SIR JOHN DANIEL: That is extraordinarily
5 difficult, because almost any generalization is
6 false, including this one.

7 They span the complete age range. Average
8 age is probably about 36, 37 on entry and so about 42
9 on exit but we have kids in their teens, because we
10 offer a service for the sort of child prodigies who
11 have run out of what the schools can teach them. At
12 last count I think we had 800 students over 80, so we
13 go into the seniors as well.

14 They are exactly 50-50 male-female. They
15 have a broader socioeconomic profile than the rest of
16 the population.

17 Ethnic mix is about exactly on the overall
18 British population.

19 why are they doing it? About one third
20 for directly career reasons, about one third to get
21 that educational qualification they always felt they
22 had in them, and about one third for purely, sort of,

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1 interest of learning.

2 But as they get into the program, they
3 tend to change around and what started as leisure
4 learning then becomes a career interest, and so
5 forth.

6 CHAIRMAN LEAVITT: Thank you. I would
7 like to move to a more open panel discussion, if we
8 could.

9 We will include Sir John, as well, in this
10 discussion, but I would like to introduce our three
11 panelists.

12 Our first panelist is Samuel Smith. Dr.
13 Smith is the President of Washington State
14 University.

15 He has been credited with doing more for
16 higher education in the state of Washington than any
17 other single individual. Under his leadership,
18 Washington State has become recognized as a North
19 American leader in distance education.

20 Dr. Smith, we are pleased that you are
21 here.

22 Our next panelist is Richard Florida. He

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1 is the H. John Heinz III Professor of Economic
2 Development at the Carnegie Mellon University.

3 He is serving as a consultant and as an
4 adviser to national, state, and regional agencies,
5 and multinational corporations on issues related to
6 public policy.

7 His current research examines the
8 relationships between universities and industry.

9 Our final panelist is Robert Mendenhall,
10 who is the President and CEO of Western Governors
11 University.

12 Mr. Mendenhall has more than 20 years of
13 experience in the development and the marketing, and
14 the delivery, of technology-based education.

15 Previously, he was the General Manager of
16 IBM's K-12 Education Division, and prior to that he
17 was an Executive Vice President with the Johnson
18 Learning Corporation.

19 I would like to begin by asking a question
20 to Richard Florida, if I could, regarding the
21 corporate view of training, of education, and what
22 corporations are doing.

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1 First of all, I will ask the question:
2 Are they seeing a deficiency?
3 And second: what are they doing on their
4 own to respond?

5 RICHARD FLORIDA: That is a great
6 question. Thank you, Governor.

7 Before I respond, I just wanted to say one
8 thing. I want to recognize and applaud your support
9 for higher education. Without your support, there
10 wouldn't be a new economy, and I think we all need to
11 recognize that.

12 what are companies doing? I think Carly
13 Fiorina said something very interesting yesterday.
14 She said the real factor of production in the new
15 economy is highly skilled individuals, and business
16 is going to go to where those highly skilled
17 individuals are.

18 So the one thing we see is that business
19 is making investment decisions around the places that
20 are delivering high-quality higher education.

21 There's two kinds of businesses, and you
22 said it yourself, Governor Leavitt. There are big

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1 companies which can internalize a lot of this.

2 When they find a deficiency, they can
3 compensate for this, and they are establishing all
4 kinds of wonderful training programs, and Motorola
5 and other companies are the world leaders in that
6 kind of thing.

7 But the smaller companies--the new
8 enterprises--those gazelles that define the new
9 economy--really can't do that. And if you meet folks
10 who manage in these companies or work in these
11 companies, they will say that is a very hard thing to
12 do, to develop the kind of well-rounded individual
13 that Sir John talked about who can plug into these
14 companies and make it go.

15 That's a very important area of
16 partnership--how we partner the universities with
17 these small, high-tech companies that not only give
18 them the technical skills they need but the marketing
19 and the managing, and the human resources skills that
20 they need to be successful.

21 The bottom line is that there is a
22 deficiency and there is a gap, and companies want

1 universities to do more, and universities need to do
2 more.

3 CHAIRMAN LEAVITT: Thank you. Next, to
4 Bob Mendenhall:

5 Bob, you are President and CEO of Western
6 Governors University, which is an enterprise many of
7 us have been involved in developing in a consortial
8 effort of 18 states. The focus, however, is on the
9 delivery of competency-based education and degrees.
10 Would you give us some description of a
11 competency-based degree and how it fits into this new
12 global economy?

13 ROBERT MENDENHALL: Thank you.

14 Western Governors University was created
15 essentially from a blank piece of paper to look at
16 the new economy and new technology, and decide how
17 would we create a university setting if we were
18 starting from scratch, as opposed to changing an
19 existing entity.

20 There are several key components to it.
21 The key one is this competency-based learning.

22 Number one, we deliver virtual education.

1 That is most of what we deliver are Internet-based
2 courses. We made a decision early on not to create
3 our own courses but to utilize courses from

4 universities around the country, but also
5 corporations, from their internal corporate training
6 and commercial providers of content.

7 It is delivered at a distance, which makes
8 it very difficult, both using content from non-
9 university providers, and delivering at a distance
10 makes it very difficult to count seat hours or credit
11 hours.

12 Therefore, the manner of assessment of
13 learning is on outcomes, and what we do with
14 competency-based learning is we define a degree
15 initially with a team of industry and academic
16 experts who define what it means to be competent in a
17 particular degree area at a particular level--
18 Associates', Bachelor's, Master's Degree--and then we
19 work with a separate assessment counsel of
20 psychometrician testing and assessment experts to
21 define how we are going to measure those
22 competencies.

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1 Clearly it is more than just objective
2 tests. It includes performance tests, portfolios,
3 and so on. But the requirement for a degree from
4 Western Governors University is to demonstrate those
5 competencies through the assessments.

6 If you demonstrate that you have the
7 competencies, you are awarded the certificate or
8 degree independent of how you got that knowledge--
9 whether it was on-the-job training, self study,

10 reading a book, taking a university course, or
11 however you did that.

12 So, that is our model of competency-based
13 education.

14 CHAIRMAN LEAVITT: Perhaps I could follow
15 up with a question just to allow you to say something
16 I would like you to say.

17 (Laughter.)

18 CHAIRMAN LEAVITT: Could you describe the
19 teacher--the Master of Arts Degree that Western
20 Governors is offering? This is a Master of Arts
21 being offered to certified teachers.

22 ROBERT MENDENHALL: One of our degrees, we

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1 created a Master's Degree in Learning and Technology
2 specifically for K-12 teachers to give them a basic
3 Master's Degree in Education so it has the
4 traditional domains of instructional design,
5 measurement, and evaluation, and so on, but, in
6 particular, an emphasis on using technology in the
7 classroom.

8 The strength of this degree area is
9 severalfold:

10 Number one, harking back to the story
11 Governor Leavitt told at the beginning, we have
12 teachers in our schools who have used technology
13 successfully for many years. They don't have a
14 degree in that area that says they are experts in
15 technology but they have the expertise.

16 And so a competency-based degree allows
17 them more quickly to demonstrate that competency and
18 be credentialed for it.

19 Having said that, many of them do not have
20 the pedagogical or research background that a
21 Master's Degree in Education would have, and so it
22 also allows them to go focus on those areas where

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1 they need additional skills and to take those courses
2 to add to those skills.

3 Finally, one of the strengths of the
4 program is we are teaching teachers to teach with
5 technology by teaching them with technology.

6 All of their courses are being delivered
7 via the technology. I went for a Doctorate in
8 Instructional Technology and never took a class with
9 technology.

10 All of them were taught by a teacher and a
11 blackboard. I think an education for teachers
12 teaching with technology delivered via technology, is
13 inherently a better education because we are
14 practicing what we are instructing them to do.

15 Finally, we believe what one of the
16 strengths of the program is is that we are collecting
17 the best courses from major universities around the
18 country which give these teachers different
19 perspectives on education technology as opposed to a
20 single perspective they might get at a particular
21 university.

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CHAIRMAN LEAVITT: Thank you.

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1 Dr. Smith, I have reported to you before a
2 conversation I had with a colleague of Governor
3 Hull's.

4 The President of Northern Arizona
5 University and I were talking--Dr. Claire Lovett--one
6 day and she told me as we talked about how we could
7 use resources from various states to hook up in order
8 to share resources, she said to me:

9 There are really only four barriers to
10 that. There's tradition. There's turf. There's
11 regulation. And bureaucracy. I thought that was a
12 pretty good summary.

13 I am wondering if you could speak, as a
14 person well experienced in working with traditional
15 systems of higher education and state policies. Do
16 state policies on regulating and funding
17 postsecondary education and the credentialing of
18 students need to change in order to enable this kind
19 of learning?

20 SAMUEL SMITH: We only have an hour, an
21 hour and a half--

22 (Laughter.)

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1 SAMUEL SMITH: Let me very quickly give
2 you a couple of examples. A simple answer to the

3 question is yes, there's a number of state policies
4 and a number of attitudes, I think, that would be
5 very helpful in moving into this new generation.

6 Let me give you an example. We have a
7 large number of students enrolled in distance
8 education programs.

9 It is easier for me to offer a Bachelor's
10 Degree in one of your states than it is to offer it
11 in my state.

12 If I do it in my state, I must go through
13 a higher-ed coordinating board. I must go through
14 all the formal clearances. I don't have to clear it
15 with anybody if I go into your state.

16 Right now, I have actually enrolled
17 students in 36 of your states and about 19 countries.
18 Right now, we have in the State of Washington--let me
19 do the reverse--we have over 90 accredited
20 universities offering degrees in the State of
21 Washington.

22 You can take degrees from Old Dominion

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1 University in Washington and Virginia in-state
2 tuition rates lower than our in-state tuition rates.

3 Now I've got to be back in Washington
4 tomorrow because we are arguing a little bit over
5 whether we can deliver some courses in another part
6 of our state.

7 But as you go through this the whole
8 question comes up for example:

9 what do you do with in-state tuition and
10 out-of-state tuition?

11 we've got students right now on our main
12 campus that are taking courses with us, actively in
13 place and site, who are also taking courses at the
14 university of Idaho next door to us and taking
15 courses over the Internet from any one of a number of
16 other institutions.

17 Are they in-state students, or are they
18 out-of-state students?

19 Yes, there's a whole series of policies.
20 This is where, I think, right now one of the
21 wonderful things that's happening right now with the
22 new technology that we are working with is that we

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1 are doing away with state and national boundaries and
2 we will be making available to every student all of
3 the offerings that any of your institutions are
4 willing to put online that we can work with.

5 CHAIRMAN LEAVITT: Thank you, Dr. Smith.

6 May I suggest this may be one of the areas
7 in which Governors working together to unlock these
8 boundaries, or to unlock these barriers, could move
9 substantially forward in all of our states.

10 Governor Hodges, your question.

11 GOVERNOR HODGES: A question really for
12 any of the panelists. I was intrigued by the idea of
13 giving a degree based on areas of competency,
14 particularly in the technology.

15 It seems like one issue would be, with
16 technology changing or an area of competency
17 changing, how ten years from now whether that degree
18 will be meaningful, and how a consumer or how a
19 business, if they are looking at someone with a
20 degree based on competency, can judge whether the
21 person is still competent in that area.

22 Just for any of the panelists.

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1 ROBERT MENDENHALL: Since it is our
2 degree, let me take the first stab at that. I think
3 two approaches to it are significant.

4 One is that we build this Program Council
5 to define competencies. It doesn't disband. So the
6 Program Council continues in place and modifies those
7 competencies as needed, however often is needed. And
8 because we are not developing our own courses, we are
9 able to go out and find courses that map to those new
10 competencies.

11 And so what we have created is a model
12 that can be very responsive to a quickly changing
13 dynamic industry.

14 GOVERNOR HODGES: But you don't retest if
15 you are judged competent at some point in time?
16 You're not retesting that person who was judged
17 competent then?

18 ROBERT MENDENHALL: Someone who got the
19 degree--

20 GOVERNOR HODGES: Right.

21 ROBERT MENDENHALL: --eight years ago.
22 our expectation is--and we are only a

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1 year-and-a-half old in this thing--but our
2 expectation would be that we would have add-on
3 certifications for past graduates that could renew
4 their competencies.

5 The other thing to note there which is
6 interesting, particularly in the IT area what we have
7 found is that the content from commercial providers
8 is both more current, has a higher production value,
9 and is lower cost than the courses offered from our
10 universities because that is the one area that we
11 have a flourishing training industry going of for-
12 profit providers providing IT training to industry
13 and to others.

14 what this model of competency-based
15 education allows us to do for the first time is give
16 academic credentials for learning, whether it comes
17 out of a university or whether it comes from for-
18 profit providers.

19 so it allows us to go find the very best
20 content and use it and link it to academic
21 credentials through our competency-based testing that
22 otherwise simply wouldn't be available to

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1 undergraduates trying to go through and get a degree
2 in technology.

3 CHAIRMAN LEAVITT: Thank you.

4 Dr. Smith?

5 SAMUEL SMITH: One of the big advances of
6 the distance education program, for example many of
7 our university-based programs--traditional programs,
8 and I'll take Dentistry, Optometry, Engineering--are
9 really for all practical purposes competency-based
10 because you have to take an examination and
11 certification going out.

12 But with the distance education we can
13 then go back over a year, two years, three years, and
14 actually update their training. And so long as they
15 can stay in touch with us, we can get to them whether
16 we are doing it through Western Governors University
17 or through our own auspices.

18 CHAIRMAN LEAVITT: I would like to ask
19 Richard Florida, do you find a higher value currently
20 being placed among corporate--in the corporate world
21 on the degree or the competency?

22 Are you seeing any appetite developed in

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1 the corporate world for this competency-based
2 measurement?

3 RICHARD FLORIDA: That's a very, very hard
4 question to answer. I think in most experiments with
5 your competency-based learning or non-degrees or new
6 degrees that what happens is that students tend to

7 find that they get rewarded for having more
8 traditional degrees when they go into the labor
9 market.

10 Companies may say one thing about what
11 they want, but then when it comes to making that
12 choice, they often go for the degree from the best
13 institution that they can get it.

14 I am not saying that is the right thing to
15 do, but we are finding that evidence both
16 statistically and anecdotally.

17 CHAIRMAN LEAVITT: And will likely
18 continue that way for a time.

19 Let's go to Governor Hunt who has a
20 question.

21 GOVERNOR HUNT: Well first I want to say
22 how excited I am to see competency-based approaches

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1 in higher education, something we are doing very
2 rapidly in K-12, as you know.

3 Just about every state will shortly
4 require a demonstration of competency for high school
5 graduation.

6 I don't sense that this has happened to a
7 great extent yet. Am I right about that in higher
8 education?

9 ROBERT MENDENHALL: To my knowledge, we
10 are the only institution offering competency-based
11 degrees.

12 As Dr. Smith said, there are competency

13 elements in certain other programs, but in terms of
14 actually basing the program on we're not going to
15 count credit hours and we don't care where you learn
16 the knowledge, just demonstrate your competencies, I
17 think we are the only institution doing that
18 academically.

19 where it has emerged and where I think
20 industry has accepted it is in the--particularly in
21 IT in the certification programs.

22 I remember Ray Norda standing up four or

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1 five years ago--the former CEO of Novell--and saying:
2 You know, I have one certification program that I
3 offer. I have a hundred thousand students, and their
4 starting salary is about \$50,000 a year. Which of
5 your university presidents have a program like that?
6 And he sat down.

7 We now have the MCSE from Microsoft, and
8 Cisco has one, and Sun has one, and so these industry
9 certifications are taking on great economic value,
10 because they are training a specific skill and then
11 certifying that that skill exists.

12 what we are trying to do in competency-
13 based education is expand beyond the job skill to
14 what we would consider a traditional education, which
15 has more of the general education and quantitative
16 and language skills that you would consider in a
17 normal degree.

18 SAMUEL SMITH: If I can jump in here for a

19 second, we are just finishing our fifth report right
20 now from the Kellogg Commission on the Future of
21 State Universities and Land Grant Colleges.

22 As you go through the process--and I don't

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1 think I am being too hard on my colleagues--but
2 competency-based degrees are not very popular within
3 traditional universities. Is that a nice way of
4 phrasing it?

5 I don't use the word "disdain," but I in
6 going through the process, one of the important
7 aspects of the Western Governors University is that
8 it is putting competency-based programs and degrees
9 as a change agent out there to work with.

10 We have gotten more response out of what I
11 would call the traditional universities over the last
12 two to three years by watching Western Governors
13 University, saying: well, if they are doing this,
14 maybe we'd better watch it. And they'd better.

15 CHAIRMAN LEAVITT: Thank you.
16 Governor Engler?

17 GOVERNOR ENGLER: If I could have some
18 sense of how big this program is, how many different
19 courses do you offer through the Western Governors
20 University?

21 ROBERT MENDENHALL: We currently offer
22 about 900 courses from about 45 to 50 different

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1 institutions.

2 GOVERNOR ENGLER: And how many students,
3 then--

4 ROBERT MENDENHALL: We just brought out
5 our first five degrees last summer, and we have just
6 over 200 students.

7 We are adding about 30 or 40 a month, so
8 it's brand new.

9 GOVERNOR ENGLER: Two hundred students for
10 900 courses. Is that right.

11 ROBERT MENDENHALL: Yes, the courses--
12 They don't take all those courses. We have
13 essentially built a catalog of a lot of courses that
14 will support future degrees that we have.

15 what we have done here is that we map the
16 competencies that we have defined to these courses,
17 and many of these courses would not map to our
18 current degrees and to our current competencies. We
19 have more courses.

20 we also have individuals coming to take
21 courses through Western Governors University that are
22 not our degree-seeking students.

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1 GOVERNOR ENGLER: But unlike the Open
2 University, they would have to be enrolled at
3 Washington State first?

4 ROBERT MENDENHALL: No, they enroll
5 through Western Governors University.

6 GOVERNOR ENGLER: Is there a Western
7 Governors University degree?

8 ROBERT MENDENHALL: Yes.

9 GOVERNOR ENGLER: That is separate and
10 apart from a Washington State degree or Idaho degree,
11 or something like that?

12 ROBERT MENDENHALL: Right. The degrees
13 are from Western Governors University.

14 GOVERNOR ENGLER: Then, you've got a
15 curriculum committee that determines in order to
16 grant who would receive a degree, have to hit these
17 courses? Is that how it works?

18 ROBERT MENDENHALL: No, see, it is not
19 course-based or credit-based. We had a Program
20 Council at the beginning that defined what it meant
21 to be competent for a degree and we have developed
22 assessments to measure those competencies.

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1 And the student has to pass those
2 assessments and demonstrate their competencies
3 through the assessments for a degree.

4 We don't care if they take one course, no
5 courses, or a hundred courses. They've still got to
6 demonstrate their competency for a degree.

7 GOVERNOR ENGLER: I don't want to take too
8 much time, but I am just curious. Then to the next
9 step, to go to graduate school at Washington State,
10 will you put that, if somebody's gotten a Western
11 Governors degree and they now want to go on for their

12 Master's Degree, you'll treat them the same as you
13 treat somebody who's got their undergraduate degree
14 from the University of Washington or the University
15 of Oregon, or someplace?

16 SAMUEL SMITH: We won't get into a
17 discussion about comparisons between, you know,
18 traditional rivals, so we will go out of state.

19 whether we would accept it the same as a
20 school from Michigan or Michigan State or University
21 of Michigan, if you get a--at this point we are
22 talking about the AA Degree and the Master's

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1 Degree--and the simple answer to the question is yes.

2 Now going through it, let me come back
3 with these courses that are being offered here. As
4 you go through the process, for example at our
5 institution we have about 4000 students enrolled that
6 are not on any campus anywhere. They are taking
7 these courses for credit for our degrees.

8 Now these courses are also mapped to the
9 WGU degree. So also a student going through, if they
10 do take one of our courses to meet a competency, they
11 also can get credit with us.

12 GOVERNOR ENGLER: So maybe I didn't ask
13 the right question. How many other students are
14 taking some of these 900 courses that are enrolled at
15 Washington State or Idaho State and not in
16 residence? I mean, how many course-takers do you
17 have?

18 ROBERT MENDENHALL: We have several
19 hundred other students that are not WGU students,
20 that are taking courses through our catalog.
21 Most of those, probably most of those are
22 enrolled at other universities. Some are not

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1 enrolled anywhere and they're just taking courses for
2 their own advancement or for their own learning.

3 CHAIRMAN LEAVITT: Sam, final comment.

4 SAMUEL SMITH: Really, the Western
5 Governors is very much like a start-up company, and
6 going through it right now, it's trying some
7 different things to see what works.

8 It has a flexibility right now to look at
9 some of the questions you are talking about.

10 CHAIRMAN LEAVITT: Governor King, and then
11 we will go to the next.

12 GOVERNOR KING: A question for Mr. Smith
13 and also Sir John Daniel. To what extent are state
14 regulations of higher education a barrier to these
15 Internet, ITV, distance learning?

16 Is it a problem, or is it a non-issue, and
17 is this something the Governors should be addressing
18 themselves to as to try to generate uniform
19 regulations, or is it not a barrier at all as you try
20 to establish yourself here and generate students
21 here?

22 SAMUEL SMITH: That is going to vary from

1 state to state. My first request, if anything, is
2 please do not give us any regulations.

3 That would be my first request.

4 GOVERNOR KING: I am talking about are
5 there ones we need to get rid of?

6 SAMUEL SMITH: Okay, going through it, I
7 will just talk about Washington for a second, and, by
8 the way, it is one of the more progressive states.

9 But in going through the whole process, at
10 one point we used to have geographic service areas
11 where if we wanted to offer a course not on one of
12 our campuses we couldn't offer one in areas where
13 there was another university.

14 We also must demonstrate certain numbers
15 of students before we can offer a course within the
16 state.

17 We must go through a series of regulatory
18 examinations as far as potential employment of these
19 students, whether we have the funding level going
20 through.

21 Now we are in one of the more progressive
22 states. We have states in this country--and I am not

1 sure in Maine, I don't know--but I know in some
2 states you cannot offer a course off of your main
3 campuses unless you have some sort of permission.

4 So what I would look at is anything that
5 would inhibit the market from making the decision as
6 to whether a course could be taken in your area.

7 CHAIRMAN LEAVITT: Sir John?

8 SIR JOHN DANIEL: Yes, we have had the
9 interesting experience of coming and setting up a
10 sister institution which is going to be an American
11 institution accredited in the states, and so on.

12 But, we naively thought that America is
13 one country and very quickly discovered it wasn't.

14 (Laughter.)

15 SIR JOHN DANIEL: I mean, all I would
16 really implore you is to at least be clear about what
17 each state means by operating higher education in
18 that state, because that is not a straightforward
19 question.

20 Obviously, if you build a campus, that is
21 presumably operating higher education, but, if you
22 just have occasional tutorial meetings at an airport

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1 or in a hotel, does that count?

2 If you are going in entirely on the Net,
3 does that count, because I think it is important to
4 get this right.

5 Because in some ways by being too
6 restrictive and defining any gathering of people as
7 something needing a license, you may actually be
8 diminishing the quality of the learning experience,
9 going back to a question that was asked earlier about

10 the value of the face-to-face meeting.

11 So it is quite bewildering if you start
12 from scratch and as I say naively think that America
13 is one country and here we go, and very quickly
14 discover that you've got to be careful, because we
15 have been very strict about going in through the
16 front door and making sure that what we were doing
17 was absolutely on the up-and-up, as it were.

18 GOVERNOR KING: Mr. Chairman, I never
19 thought we would be talking about NEXUS in connection
20 with higher education, but that certainly sounded
21 like what he was saying.

22 CHAIRMAN LEAVITT: It is very much an

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1 issue. In fact, I am aware of a situation where one
2 state governing board issued a cease-and-desist order
3 against another university that was offering
4 curriculum in their state without being licensed.

5 So I mean this is very much an issue as we
6 move into this.

7 Governor Patton, and then Governor
8 Kempthorne, and then we are going to our Vice
9 Chairman for some discussion about an exciting
10 initiative that he plans to undertake next year.

11 GOVERNOR PATTON: Is Western Governors
12 Association University degree accredited by a
13 regional accrediting agency, like in the southeast we
14 have the Southern Association of Colleges and
15 Schools?

16 ROBERT MENDENHALL: We are in the process
17 of being accredited. Actually, because we cut across
18 19 states, four of the regional accrediting
19 organizations have combined into an interregional
20 accrediting organization.

21 There are three steps to it. We just had
22 our visit for candidacy accreditation a couple of

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1 weeks ago.

2 Full accreditation is granted only after
3 you have graduates, so we are still a year or two
4 away from that until we have graduates, but we are in
5 the process of being regionally accredited.

6 CHAIRMAN LEAVITT: With not one but four,
7 and that is a real exciting experience. Really
8 great.

9 Governor?

10 GOVERNOR KEMPTHORNE: Mr. Chairman, you
11 remember last year we had a Harvard economist who was
12 forecasting that the United States would experience a
13 shortage of about 800,000 engineers in the future.

14 My question to the panel is--and, too, Mr.
15 Chairman, I think you referenced with postsecondary--
16 how are we doing in providing the type of graduates
17 that the work force is requiring?

18 CHAIRMAN LEAVITT: Richard Florida, would
19 you--

20 GOVERNOR KEMPTHORNE: But before--here's
21 the question:

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1 those young students who will then ultimately go to
2 postsecondary, is there a continuum or is there a
3 problem between K through 12 and then postsecondary?

4 RICHARD FLORIDA: Let me tackle the first
5 part of the question and the second part. I think
6 that is really the critical question you asked,
7 Governor, is:

8 How do we provide--what Carly Fiorina
9 said, and it is important to remember these
10 words--highly skilled individuals? Those are those
11 engineers and scientists.

12 And the part of the equation that we
13 haven't heard enough about today is how do we produce
14 those kinds of people, particularly in the new
15 economy?

16 In that sense, higher education is the key
17 investment you can make. Higher education is the
18 most important investment that Governors can make
19 because universities are the places to generate those
20 folks.

21 So talent, if you want to build a new
22 economy you've got to have the talent, and the states

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1 that have that talent around the university are going
2 to win.

3 To do that, you have to do research. So
4 the missing component that we haven't talked enough
5 about is what kind of research can go in these
6 universities that would attract the talent.

7 But it is not enough just to have the
8 talent, because a lot of states create the talent and
9 then the talent goes away.

10 Now for the Nation it is good enough to
11 have the talent; we can even import it. But from the
12 perspective of a state, you have to create the talent
13 and then you have to do what it takes to put that
14 talent to work in your particular state to build that
15 state's economy.

16 That is something Massachusetts and
17 California have done really well.

18 we in Pennsylvania have generated a lot of
19 talent and we are working on how to try to keep it
20 there. Now that goes back to your first point.

21 One place you start to lose talent from
22 your state is 12th grade. There are two critical

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1 decision points made. One is at 12th grade, and one
2 is after receipt of the BA or the BS.

3 And states need to think very long and
4 hard in how they link--how you link your higher
5 education strategy, not only get the person to 12th
6 grade, but to try to keep them at 12th grade, and
7 how do you try to keep them after graduation. And
8 that has to do with your economic development

9 strategy.

10 CHAIRMAN LEAVITT: Thank you. Good

11 discussion.

12 To Sam and Richard and Bob, thank you.

13 To Sir John, we deeply appreciate you
14 making the trip across the Atlantic, and the trips
15 across the continent we appreciate each of you
16 making.

17 I would like now to turn to our Vice
18 Chairman, Governor Glendenning, for some comments on
19 this particular topic.

20 I know he plans to focus on this during
21 his chairmanship next year.

22 CO-CHAIRMAN GLENDENNING: Mr. Chairman,

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1 thank you very much, and let me just thank you for
2 again continuing our discussion of education at all
3 levels.

4 There's not one of us around here who
5 doesn't understand the importance of this, and it
6 also serves as a link to what we will be doing next
7 year, I think, as one of our two major areas when
8 we'll be working together both on the major
9 environmental issue of sprawl and all the innovative
10 work that is going on across the country in this, as
11 well as the issue of higher education.

12 I do want to first commend Sir John Daniel
13 and the entire panel for being here and for your
14 insights to this, as well.

15 I will tell you by way of some summary of
16 what is going on here that I have seen the very
17 debate, the very questions that were asked very
18 personally, because of the great experience that
19 happened in terms of my career.

20 Before becoming Governor, I was a college
21 Professor, and I went through the very traditional
22 approach. I got my AA Degree. I got my BA Degree.

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1 I got my MA Degree. I got my Ph.D., and the Master's
2 and the Ph.D., I did the dissertation and I went
3 through the comps and everything else.

4 Then I became Governor and one of the
5 things that happened was someone came into me from a
6 proprietary college, some of which you know because
7 they have campuses now across that nation--Strayer
8 College, which primarily does applied business
9 technology--and they said:

10 why can't we open offices in Maryland?
11 After all, we are incorporated in Maryland and have
12 been for over 60 years.

13 I said: You mean, you have no offices
14 here?

15 They said: No.

16 So I asked our Maryland Commission for
17 Higher Education why not.

18 They said: well, we have this
19 procedure, and you have to demonstrate a need,
20 and we have determined a couple of times that

21 there's not necessarily a need for this type of
22 activity.

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1 So, I went back, and I thought about it a
2 little bit, and I said:

3 Well, wait a minute. Why don't we just
4 let the market determine the need, because, after all
5 this is a for-profit educational institution, and as
6 I understand it they had campuses at the time in
7 about 30 different states.

8 So I went back and I asked the Higher
9 Education Commission again the same question:

10 Well, why don't we just do it that way?

11 They said: You can't. The regulations
12 don't permit it.

13 I said: Well, why don't we change the
14 regulations?

15 They said: Well, you really can't do that
16 because the regulations are pursuant to the law which
17 said a campus expansion must designate a need.

18 So I said: Okay. I said: Let me review
19 this law. I had my legal advisor do so. The law was
20 adopted very properly in 1928 and clearly established
21 how we were going to expand our higher education
22 system throughout the state.

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1 We did by the way change that law and the
2 regulations and I am pleased that the Strayer College
3 now has several campuses doing very well and we have
4 had other proprietary schools, even like the Phoenix
5 university, and so on, all now coming into the state
6 and also doing very well.

7 I think what has happened is there will be
8 constantly, at least in the foreseeable future, a
9 need for very traditional degrees.

10 People will want individuals who go
11 through or individuals will want to go through a very
12 traditional approach.

13 But I also think that what is happening is
14 much of the market is changing, and there will also
15 be a need for individuals with skills just based on
16 competence, and all you want to know is that this
17 person is in fact certified and trained and ready to
18 go in this area.

19 I think as Governors one of our big
20 challenges is going to be to continue the quality of
21 higher education in very traditional fields, very
22 traditional institutions. At the same time, however,

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1 permit and encourage and even stimulate a whole
2 series of out-of-the-box alternative methods of
3 learning and then simply permit choices from two
4 directions.

5 One is simply going to be the student.
6 what do they want to do?

7 Two will be the market employment
8 decisionmakers. Who do they want? And what do they
9 want in terms of background and degrees?

10 Now with that we are trying to make some
11 other changes in Maryland, and this will be part of
12 the discussion for us starting with the summer
13 meeting, as well, but how do we both encourage these
14 type of approaches but also have significant
15 expansion in traditional campuses, as well?

16 One of the things that we realize--and I
17 don't think there is a Governor here that doesn't
18 understand this--and that is with the knowledge-
19 based economy, how well we do in continuing
20 lifelong education and higher education is going to
21 determine not only the competitiveness of a state--
22 and, indeed, collectively, the whole Nation--but it

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1 is also going to determine what avenues of
2 opportunity for individuals to meet their potential
3 are available.

4 We just laid out a challenge to our state
5 system of higher education and we said we would make
6 a very significant expansion of resources available,
7 but what we wanted to do was to answer three
8 questions:

9 what specifically and measurably was their
10 vision of excellence?

11 And what were they actually trying to do?

12 How would they achieve this vision in a

13 measurable way so we could see real progress?

14 How much would it cost?

15 Now by the way, most campuses were eager
16 to answer the last question first. You know, if you
17 give us another \$15 million here and \$200 million
18 there, we are going to do well.

19 But we are holding them to this. As a
20 result of the starting of answering questions, we
21 announced a budget in which we are adding \$1.2
22 billion in campus construction.

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1 We have increased the operating funds by
2 14 percent this year alone, but in each case it only
3 goes to those campus centers where they have laid out
4 this plan of what they are going to do in terms of
5 expansion.

6 I would note, in working with our
7 businesses, but it would surprise me if it wasn't
8 true for every single state, when I go to businesses
9 today and talk about their growth, their expansion,
10 their future, the single most important question we
11 run into is--issue is the lack of qualified, trained,
12 or degreed personnel.

13 It doesn't make any difference
14 whether it is Northrup Grumman, which is
15 headquartered in Maryland, or whether it is a small
16 company that I visited recently who was
17 complaining that they couldn't get computer software
18 engineers and that they were ready to expand in a

19 major way.

20 So I think that that is the challenge that
21 is facing us. This panel in fact is a lead-in to the
22 fact--and I appreciate the transition--that we will

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1 be working together next year, as I say, both on the
2 environmental issue but also on higher education,
3 improving the quality of traditional higher education
4 as well as figuring out how we integrate this with
5 the changes that are going on in terms of what we
6 have heard from this panel, and numerous other
7 changes happening, as well.

8 I might indicate lastly that I will be
9 going to Germany this summer for the celebration of
10 the University of Maryland's 50th anniversary of what
11 they call University College. This is an off-campus
12 center, but historically there have been other
13 locations, and they just hired a new Dean. Much to
14 my surprise, they paid the new Dean \$280,000, and so
15 I asked someone--I should say they hired a new
16 President, because it is a separate campus--I asked
17 them:

18 I said: How is it possible that we are
19 paying for what I viewed as an off-campus-type
20 coordinating center \$280,000?

21 They said: well, we have to redefine our
22 entire mission. It will no longer be a series of

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1 kind of overseas and other state physical locations.
2 what we anticipate is, by the end of this decade,
3 there may not even be a campus, and they have about
4 150,000 students in this now, and that we could have
5 two to three times as many students but without
6 having a single campus.

7 They said: To some extent, you are going
8 there for the 50th anniversary, but it may also
9 be about the end of this type of traditional
10 teaching.

11 I think all of us are seeing this in our
12 states, and it is an exciting opportunity, and I look
13 forward to working with everyone next year and, as we
14 start to pull together the summer program, would
15 welcome input and suggestions on different topics
16 that we ought to be covering here.

17 Thank you very much.

18 CHAIRMAN LEAVITT: Thank you, Governor.
19 The time of this session has expired, but I would
20 like to extend it long enough for two brief
21 comments.

22 One, I understand, Governor Patton, you

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1 would like to comment on the national assessment of
2 adult literacy.

3 I would like to recognize the Governor of
4 North Carolina to talk some on the Center for Public
5 Policy in Higher Education.

6 GOVERNOR PATTON: Thank you, Mr. Chairman.
7 It has been a very good discussion about how we
8 can provide our adults with a postsecondary
9 education.

10 But I want to go to the other end of the
11 spectrum and talk about adult basic education.

12 You know, the idea that a huge number of
13 our fellow Americans have deficient literacy skills
14 seems unimaginable to most people in leadership
15 positions in this country.

16 But it is true.

17 It is like a disease that infects
18 virtually every dimension of life. It saps the
19 energy and capability of our people and the nation's
20 economy. It feeds unemployment, fattens the welfare
21 rolls, and helps fill our prisons.

22 Despite landmark reforms in public schools

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1 throughout America, too many of our citizens continue
2 to drop out of school.

3 Research has proven that children of
4 parents who are unemployed and haven't completed high
5 school are five times more likely to drop out of
6 school themselves. Progress is needed across the
7 Nation to address this problem.

8 No one state has a monopoly on the
9 tragedy. It is a national problem that will widen
10 the gap between our lowest-income citizens and our
11 more affluent citizens.

12 The social, economic, and political costs
13 of the growing disparity between the "haves" and the
14 "have-nots" are just not acceptable.

15 In 1992, the National Center for Education
16 Statistics conducted a national assessment of adult
17 literacy in 13 states.

18 The results were shocking. The assessment
19 showed that some 40 percent of the population of the
20 United States that participated was either
21 functionally illiterate or had literacy skills at
22 levels one or two, which means that they are reading

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1 below the 9th-grade level.

2 Even though Kentucky wasn't one of the
3 original participating states, they were, the states
4 that did participate were representative of the
5 nation so I'd say the results reflect the situation
6 of the entire country.

7 Realizing that we in Kentucky needed to
8 know where we stood on this subject relative to the
9 rest of the Nation, we teamed up with the education
10 testing service and administered the 1992 assessment
11 instrument statewide in Kentucky in 1995.

12 The results of our tests showed that we
13 were just about in the middle of the pack. We
14 weren't a whole lot worse off or a whole lot better
15 off than the rest of the Nation.

16 The fact is the whole Nation was in much
17 worse shape than I would have imagined.

18 The National Center for Education
19 statistics will conduct a second assessment of adult
20 literacy in 2002.

21 Nearly 30 states have already indicated an
22 interest in participating, and there is plenty of

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1 time left to sign up.

2 we expect more to do so, and let me tell
3 you this time Kentucky will be included in the
4 original testing, and we are going to take advantage
5 of it.

6 If we are going to be successful in
7 addressing the problems of illiteracy in this Nation,
8 we have to develop strategies to energize our people
9 and gain the commitment of the Nation's political,
10 education, business, and civic leaders.

11 No national strategy will succeed unless
12 it engages leaders in every state, every county, and
13 every community across America.

14 we must identify the needs and develop
15 programs and services appropriate for each
16 community's unique circumstances.

17 In my state of Kentucky, we have started a
18 statewide public relations program to help our people
19 understand the value of an education.

20 we want our people to understand that
21 education pays. This is an ongoing public relations
22 campaign to help Kentuckians better appreciate the

1 value of an education.

2 My State is among those with the greatest
3 percentage of adults over 25 without a high school
4 diploma or a GED.

5 Needless to say, a significant portion
6 of these people need their literacy skills
7 improved.

8 I appointed a task force to look at the
9 whole system of adult education and literacy during
10 the past year and a half.

11 we have had a thorough and complete review
12 of adult education in Kentucky. We have examined and
13 restructured elementary and postsecondary education
14 but not adult education.

15 In fact, I am not aware of any other state
16 that has looked at its system of adult education in
17 the complete and thorough way that Kentucky reviewed
18 our system during 1998 and 1999.

19 As a result of the task force's findings,
20 my executive budget now before the General Assembly
21 recommends doubling the state's appropriation for
22 adult education.

1 I am told that this is the most
2 significant percentage increase in funding that
3 any state has ever made to improve adult

4 education.

5 we must make our people more aware of how
6 illiteracy can affect their entire society and drag
7 us all down.

8 I believe this can best be
9 accomplished by having our individual states
10 participate in the national assessment of adult
11 literacy in 2002.

12 Once we identify the severity of the
13 problem, we as Governors and education advocates must
14 assure that sufficient resources are available in
15 our state to effectively address the problem.

16 Let me again remind you that this brochure
17 is on your table in front of you, and it details how
18 your state can participate in the 2002 assessment.

19 Representatives from the American
20 Institute for Research are here to answer any
21 questions that you may have.

22 I just wanted to bring this test to the

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1 attention of the Nation's Governors and urge all of
2 the states to participate in 2002.

3 Thank you, Mr. Chairman.

4 CHAIRMAN LEAVITT: Thank you, Governor.

5 This concludes this session. The message
6 is:

7 value education. New ways of delivering
8 it. New ways of measuring it.

9 we will adjourn until tomorrow at our

10 plenary session.

11 (whereupon, at 4:10 p.m., Monday, February
12 28, 2000, the meeting was adjourned, to reconvene on
13 Tuesday, February 29, 2000, at 9:30 a.m.)

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