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U.S. DEPARTMENT OF EDUCATION

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A NATIONAL DIALOGUE: THE SECRETARY OF EDUCATION'S
COMMISSION ON THE FUTURE OF HIGHER EDUCATION

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PUBLIC HEARING

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MONDAY, MARCH 20, 2006

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The Public Hearing was convened in State Suite B of the Fairmont Copley Plaza Hotel, 138 St. James Avenue, Boston, Massachusetts, at 9:00 a.m., Jim Duderstadt, Acting Chair, presiding.

COMMISSIONERS PRESENT:

NICHOLAS DONOFRIO
JIM DUDERSTADT
CHARLENE NUNLEY
CHERYL OLDHAM Executive Director
RICHARD VEDDER
CHARLES VEST

PRESENTERS:

SUSAN HOCKFIELD President, Massachusetts
Institute of Technology
JACK WILSON President, The University of
Massachusetts (System)
DENNIS D. BERKEY President, Worcester Polytechnic
Institute
ROBERT BROWN President, Boston University
RICHARD MILLER President, Olin College of
Engineering
LAWRENCE S. BACOW President, Tufts University
MARY FIFIELD President, Bunker Hill Community College
STEPHEN RENO Chancellor, University System of New
Hampshire
VALERIE LEWIS Commissioner, Connecticut Board
of Governors for Higher
Education

PUBLIC COMMENT:

RICHARD ALLEGRA
RON BERSE

JESSICA BIBEAU
 BARBARA BRITTINGHAM
 CATHERINE BURDELL
 COURTNEY BURN
 JOSHUA CHAISSON
 PETER CHU
 ADAM CORL
 JOHN DAVIDS
 JONATHAN DeFELICE
 MICHAEL DENNEHY
 RICHARD DOHERTY
 JOHN FOLEY
 LINDSAY FOLEY
 LAURIE GANZ
 BEN GORDON
 DEBORAH HART
 RISHI S. JAITLEY
 JOHN LEAVITTS
 PRECIOUS KOFIE
 JESSICA LAFLAMME
 ED MARTH
 ELVIS MENDEZ
 GUY MUBARAK
 ROB O'CONNELL
 EILEEN O'LEARY
 JENNIFER PAE
 LEN PAOLILLO
 SCOTT PEACH
 KRISTI PIERCE
 JASON PRAMAS
 JERRI ROACH
 JIM ROONEY
 JAMES SCHMOTTER
 KATIE SCHOEN
 MAHESH SHARMA
 SUZANNE SHEA
 JAHANTAB SIDDIQUI
 CHAD SINCLAIRE
 WICK SLOAN
 PRISCILLA WALKER

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(9:00 a.m.)

DR. DUDERSTADT: Okay. I'd like to call this morning's hearing to order. I'm Jim Duderstadt, former President of the University of Michigan, one who enjoys returning to the Boston and New England area, having lent a daughter to Harvard and a son-in-law to Boston University, and a Provost to MIT.

We're delighted to be able to hold this hearing for the Secretary of Education's Commission On The Future of Higher Education in America in the Boston area, because the New England area in many ways represents the epicenter for quality in higher education in America, and we're very interested in hearing from leaders and others of higher education in this region.

The Commission was launched last fall in September to engage in a national dialogue to hear what people believe to be the higher education needs of the nation, both today and in the future, to learn a little bit more about how we access the current higher education enterprise in the United States and its capability for meeting those needs. And then, perhaps, to arrive at a series of recommendations which we'll be making in a report we're due to deliver to the Secretary of Education, Margaret Spellings, in

1 August of this year, so it's a fairly quick time cycle
2 for this effort.

3 The Commission numbers 20. We have six of
4 the Commissioners here today, and I'd like to have
5 them each introduce themselves. I guess we're down to
6 five now. Okay. We lost one, Arthur Rothkopf on the
7 way. Chuck, why don't you introduce yourself, and
8 we'll go down to introduce the other Commissioners.

9 DR. VEST: Chuck Vest, the former
10 President of MIT, and my own personal background
11 involved several different slices of higher education.
12 I'm a graduate of West Virginia University, did my
13 graduate work at the University of Michigan, served
14 one year as Visiting Professor at Stanford.

15 DR. NUNLEY: Good morning. I'm Charlene
16 Nunley, President of Montgomery College in Maryland.
17 Montgomery College, because a lot of people don't
18 realize it, is a community college, and I represent
19 community colleges on the Commission.

20 MR. DONOFRIO: Good morning. I'm Nick
21 Donofrio, Executive Vice President for Innovation and
22 Technology at IBM. I've been there for 42 years.

23 DR. VEDDER: I'm Rich Vedder. I've been a
24 Professor for 41 years at Ohio University. I used to
25 say I was the only one on the Commission that actually
26 teaches but that's not quite true. Jim teaches,

1 several of us actually still teach, and I'm most
2 notorious for a book I wrote on higher ed called *Going*
3 *Broke By Degree*.

4 DR. DUDERSTADT: Thank you very much.
5 This is a federal commission, operates under the
6 Federal Advisory Commission Act and, therefore, there
7 are certain protocols involved that will govern
8 today's hearing. I'd like to turn to Cheryl Oldham,
9 who is the Staff Director of the Commission, to make
10 some comments on that process.

11 MS. OLDHAM: Thanks, Jim. We're going to
12 start the morning session with invited presenters from
13 the National Higher Education Leaders from Boston and
14 New England, and after lunch we'll have the
15 opportunity to hear from the public. And ask that if
16 you haven't yet checked in at the registration, to
17 please do so. You must be registered to provide
18 testimony this afternoon, so please see one of our
19 staff members outside to get a number, and that's how
20 we will call people this afternoon. So if you can try
21 and remain in this vicinity after lunch. We'll start
22 as promptly as we can at 1:00, the afternoon session.

23 We've got quite a response to our offer for public
24 testimony, and so we've got a pretty packed afternoon,
25 but we will wrap up by 4, so if you haven't -- you
26 registered and you didn't get the opportunity to

1 present to the Commission today, we certainly welcome
2 testimony to be provided to us that we can share
3 amongst the Commissioners.

4 This afternoon, and I'll go over this
5 again when we get back together a little bit before 1,
6 but we've got a timer here, so everyone is allowed
7 three minutes. You'll see the green light, and then
8 it'll go to yellow when there's about 30 seconds left,
9 and then it'll go to red, and there'll be a beep, and
10 I'll turn it off quickly so it won't be too obnoxious,
11 but that's how we kind of need to keep it so we can
12 get as many people as possible to testify this
13 afternoon as we can.

14 Again, if you haven't registered yet,
15 please do so out front and we'll try to accommodate as
16 many of you as possible. Thanks.

17 DR. DUDERSTADT: This morning our invited
18 speakers, we've planned for roughly 20 minutes of
19 dialogue. Although this seems like a very formal
20 process, we really want to have a discussion this
21 morning in which there's an interaction between
22 members of the Commission and leaders of higher
23 education in this area. And, therefore, since many of
24 you presented written testimony, if you could kind of
25 summarize the key points in that, and then kind of get
26 into a Q&A with members of the Commission, we think

1 that might be the most constructive way to approach
2 this, keeping it as informal as possible.

3 We'll keep an eye on the clock so we don't
4 go passed the 20 minutes. But as I say, I hope that
5 the fact that we're a foot above you does not mean
6 that we're not peers in this discussion. Actually,
7 maybe we should be lower.

8 Let's begin with President Susan
9 Hockfield, President of MIT. President Hockfield.

10 DR. HOCKFIELD: Thank you. Good morning.
11 I want to thank the Commission for the opportunity to
12 participate in this important national dialogue. But
13 before I talk about the work our colleges and
14 universities do, I want to describe the context in
15 which we operate. And as I see that context, two
16 issues stand out; opportunity and preparation. First,
17 opportunity.

18 Higher education is the key to success in
19 American society, and the basis of our strength as a
20 knowledge-based economy. Today's college graduation
21 rates correlate closely with family income. To
22 sustain our robust democracy and to compete in a
23 global market place, we need to send an even higher
24 percentage of our population on to college and to
25 graduation.

26 At MIT we admit undergraduates on the

1 basis of academic merit alone, without reference to
2 their ability to pay. And we do not give advantage in
3 admission to athletes, or to children of alumni. We
4 award MIT scholarship aid solely on the basis of need,
5 and we meet the full need of all admitted students.

6 Next year, 57 percent of our 4,000
7 undergraduates will receive need-based scholarships
8 from MIT averaging \$25,500 per student. These
9 policies have made the American dream come true for
10 many MIT alumni. And true to our decades old
11 admission policies, about 15 percent of MIT students
12 come from families with incomes less than \$40,000 a
13 year. To help ease the debt burden of our students
14 with the greatest financial need, beginning next fall
15 we will provide matching funds for the Federal Pell
16 Grants for our students.

17 Next year, MIT will grant more than \$60
18 million in scholarship aid. These financial aid
19 commitments have significant opportunity costs. Funds
20 used for financial aid will not be available for other
21 educational investments, such as the extremely
22 expensive classroom and laboratory facilities needed
23 to teach science and engineering today.

24 The correlation between graduation rates
25 and family income signals a greater need for financial
26 aid if we are serious about expanding access. Yet,

1 Congress recently cut more than \$12 billion from the
2 federal budget for student loans over the next five
3 years, and the maximum amount of a Pell Grant has been
4 frozen for the last four years. All this, while the
5 cost of quality higher education, especially in the
6 sciences and engineering, is rising.

7 Higher education is the best recipe we
8 have for improving economic opportunity and the
9 quality of life for our citizens. I hope the
10 Commission will help us develop a better understanding
11 of the relationships between financial resources and
12 college success, because we need an informed public
13 discussion of how the nation can afford the education
14 our young people need.

15 Now just as we need to expand opportunity
16 for higher education, we also need to strengthen
17 preparation for it, especially in math and science. I
18 urge the Commission to bear in mind that higher
19 education works with the products of our K-12
20 education, which by many measures fails a large
21 fraction of American children. Colleges and
22 universities cannot take on the core work of primary
23 or secondary education. We lack the necessary
24 expertise, and our primary obligation must be to our
25 own students, but we can build better bridges between
26 K-12 education and college, and at MIT we want to do

1 all we can to help.

2 In an era in which science and technology
3 increasingly shape major policy issues, responsible
4 citizenship itself requires mathematic and scientific
5 literacy. MIT will continue our efforts to help
6 strengthen K-12 math and science education.

7 Now while the issues of access and
8 preparation effect all colleges and universities, as I
9 turn to higher education itself, I will speak a bit
10 more narrowly from the perspective of the American
11 Research University. American Research Universities
12 have developed a uniquely successful integration of
13 teaching and research. At MIT, we benefit from the
14 many distinguished researchers who are deeply
15 committed to undergraduate education. This term,
16 Professor Richard Schrock, who received the Nobel
17 Prize in chemistry last December, is teaching
18 "Introductory Inorganic Chemistry". And last fall,
19 Wolfgang Ketterle, who won the Nobel Prize in physics
20 in 2001, taught three sections, 20 students apiece, of
21 Freshman Physics. And our undergraduates participate
22 in cutting edge research in an activity we call UROP,
23 which I'll describe shortly.

24 This distinctly American integration of
25 teaching research allows innovations to flow from
26 research into teaching in real-time, and has been

1 spectacularly successful. One respected rating system
2 recently concluded that 17 of the world's top 20
3 universities are in the United States. This success
4 has depended on our ability to foster innovation in
5 teaching, as well as research. And this success has
6 bred growing competition from universities around the
7 world.

8 Today, unprecedented opportunities at the
9 intersections between traditional scientific and
10 engineering discipline erode their boundaries, and
11 create new knowledge sets which give rise to new
12 discoveries, and new industries.

13 Perhaps, the most compelling example comes
14 at the convergence of the Life Sciences with
15 Engineering. In just the last few years, MIT has
16 launched new undergraduate majors in Biological
17 Engineering, and in Chemical Biological Engineering,
18 and a new graduate program, Computational and Systems
19 Biology. These programs bring biology, chemical
20 engineering, chemistry, computational science,
21 material science and engineering, and other fields
22 together in ways we could hardly have imagined a
23 decade ago.

24 Such curricular innovation succeeds only
25 if it demands rigor and excellence. Indeed, work in
26 interdisciplinary areas requires a solid grounding in

1 fundamental disciplines. The development of our new
2 educational programs parallels the emergence of
3 important new research collaborations in areas such as
4 genomic medicine, which have enormous implications for
5 the economy and for human well-being. Curricular
6 innovation is not option for U.S. universities. It
7 has been, and will continue to be, the source of our
8 vitality and our ability to respond to changes in the
9 world.

10 Just as we need to innovate in the
11 curriculum, we also need to develop new ways to
12 connect our education to the world our students will
13 enter when they graduate. At MIT, we have launched a
14 number of innovative programs that take students into
15 the world of practice. I'll mention three. Longest
16 running of these is UROP, the program mentioned before
17 the Undergraduate Research Opportunities Program,
18 which allows undergraduates to work directly with
19 faculty in cutting edge research. About 85 percent of
20 MIT undergraduates participate in UROP.

21 UROP then served as a model for UPOP, the
22 Undergraduate Professional Opportunities Program,
23 which integrates internships closely into engineering
24 education, and now attracts about 40 percent of the
25 sophomores in the School of Engineering.

26 Today's students also need first-hand

1 experience of other cultures and other ways of
2 working. The MIT International Science and Technology
3 Initiatives, MISTI, places students in intensive
4 professional internships in companies, research
5 laboratories, and universities around the world, from
6 Beijing to Berlin.

7 A third important stream of educational
8 innovation is the use of technology. Here, I will
9 highlight only two major MIT initiatives. First, MIT
10 OpenCourseWare offers free web access to the
11 materials for over 1,200 MIT courses. Our Dean of
12 Engineering, Professor Tom Magnanti, spoke about OCW
13 at the Commission's San Diego Field Hearing early last
14 month. As he explained, OCW is not a distance
15 learning program. Instead, it allows educators and
16 students around the country to benefit from the
17 teaching materials created by our faculty. With over
18 35,000 unique hits a day, OCW's content reaches across
19 the country into colleges, universities, and even into
20 secondary schools. The primary audience for OCW is
21 outside MIT, but has also strengthened education on
22 our own campus.

23 And second, MIT's iLabs allows students to
24 conduct real laboratory experiments remotely from any
25 internet-accessible browser. These remote
26 laboratories enable much more efficient use of

1 laboratory equipment, which can be shared across a
2 university, and across institutions. It vastly
3 increases the scope of experiments to which students
4 have access in the course of their studies.

5 We're now exploring how the models of OCW
6 and iLabs might be adapted for use in secondary
7 schools. This is one important way we hope to do our
8 part to address the challenges in K-12 math and
9 science education.

10 As the Commission reviews our nation's
11 higher education programs, I urge the members to
12 consider the great strength that has come through
13 educational innovation which depends intrinsically
14 upon institutional flexibility, diversity, and
15 competition. An interventionist approach, whether in
16 the form of standardized curricula, or more mandatory
17 testing will stifle the educational innovation our
18 country needs.

19 Let me mention one example from Computer
20 Science. The Computer Research Association, which
21 includes some of MIT's computer science leaders, wants
22 to encourage students to enter this vital and
23 fascinating area of study which is now facing
24 declining enrollments. While highschool advanced
25 placement courses can provide advanced students the
26 inspiration of a higher level academic challenge, the

1 AP test in computer science focuses only on
2 programming language skills. It sends students and
3 educators the wrong message. Encouraging courses on
4 programming, rather on the emerging areas of creative
5 work, and it discourages intellectually ambitious
6 students from entering the field.

7 Standardized curricula or testing would
8 limit our ability to educate, to develop new
9 curricula, and to train the innovators our nation so
10 desperately needs now. MIT rigorously assesses the
11 progress and success of our students and our academic
12 programs, and we regularly reassess our curriculum.
13 Each institution needs the flexibility to define the
14 central features of its educational program.

15 My own belief is that strengthening those
16 aspects of higher education that are at the root of
17 our success; access, innovation, and competition will
18 be more effective than standardization, mandates, and
19 penalties in promoting real long-term improvements.

20 As the Commission considers its
21 recommendations, I hope it will ask of each
22 suggestion, will this foster educational innovation.

23 I've asked the Commission to help our nation to
24 expand educational opportunity to strengthen K-12
25 preparation, and to foster educational innovation. In
26 the decades ahead, American economy growth and social

1 opportunity will require highly innovative businesses,
2 and equally innovative universities.

3 I will close with a few snapshots of what
4 these innovative universities should look like.
5 First, they will incorporate technology into education
6 and research in new ways, while nurturing mentor-based
7 teaching. Second, they will produce research that
8 plays a catalytic role in a knowledge-based economy.
9 Third, they will tackle our era's great challenges,
10 from advancing medicine, to developing sustainable
11 energy technologies. Fourth, through innovation they
12 will be more agile as they compete on a global playing
13 field. And fifth, they will graduate students who are
14 capable of citizenship, of leadership, and of
15 innovation.

16 Since the end of World War II, American
17 higher education has increasingly become available to
18 those with the ability and the ambition to draw on
19 this valuable resource. At its best, higher education
20 has transformed lives and the nation's economy, and
21 has become the envy of the world. Its success has
22 drawn on the wide diversity of institutions infused
23 with innovation and competing fiercely in an open
24 marketplace. The evolution of these institutions and
25 the system in which they operate is far from complete,
26 but as we strive to define their 21st Century versions,

1 let us build on their fundamental strengths.

2 Thank you again for offering me the
3 opportunity to share my views with you this morning.

4 DR. DUDERSTADT: Thank you very much.
5 Let's open it up for questions. Rich.

6 DR. VEDDER: President Hockfield, thank
7 you for a very illuminating statement. I appreciate it
8 very much, as do the others, I'm sure.

9 Let me just ask sort of a heretical
10 question at the beginning. You said too few people
11 are going on to colleges, and we need to expand
12 access. I'm reading a manuscript right now from a
13 scholar who's writing a book who argues just the
14 opposite, that too many people go to college, that we
15 are wasting enormous amounts of resources with people
16 who simply don't make it through college; 30, 40
17 percent attrition rates. I know that doesn't apply to
18 MIT, but it does at many schools. How do you react to
19 that sort of criticism?

20 DR. HOCKFIELD: I think the attrition
21 rates across the United States, those that you quote,
22 are a scandal. And I don't know exactly what the
23 challenges are that prohibit students who enter these
24 colleges from graduating. You're quite right, MIT
25 graduates more than 90 percent of those who enter, and
26 I think pays a huge amount of attention to the ability

1 of the students we admit to succeed in the MIT
2 curriculum; and, of course, then graduate.

3 The reason I say we need to send more kids
4 on to college and graduation is the correlation
5 between college graduation and incomes. If we want to
6 raise the economic potential, if we want to raise the
7 ability and skill-level of our nation, higher
8 education is the only way to do so. And it's from
9 that perspective that I advocate a greater percentage
10 of students, not just going to college, but also
11 graduating.

12 DR. VEDDER: To follow up just real
13 quickly, Jim, you mentioned K-12 is key in all of
14 this. Do you have any real suggestions for the
15 members of the Commission of how we can nudge the K-12
16 establishment, if you like, make recommendations, any
17 specific recommendations relating to K-12 and the
18 integration into colleges?

19 DR. HOCKFIELD: Well, I'm not an expert in
20 the K-12 domain, but I am a vociferous supporter of
21 increasing the math and science abilities of our
22 students who graduate from our high schools. We
23 cannot be an effective nation. We cannot fuel an
24 innovation economy if more of our students are not
25 graduating from high school with greater competence in
26 math and science.

1 My fear, of course, is that we might race
2 to make up for in higher education what we lack in K-
3 12. And to my mind, that would be under-utilizing our
4 resources in a very serious way.

5 DR. VEDDER: All right. Thank you.

6 DR. DUDERSTADT: Yes, Charlene.

7 DR. NUNLEY: Because so many of our
8 county's diverse and economically challenged students
9 begin in two-year colleges, I was wondering what MIT
10 does to encourage community college transfers and what
11 your experience has been with community college
12 transfers.

13 DR. HOCKFIELD: Yes, I don't have those
14 data. I would guess that there is probably very
15 little transition between community colleges and MIT.

16 The MIT admission standards are extraordinarily high.

17 However, I would underscore something I said earlier;
18 that MIT admits students solely on the basis of merit.

19 Our freshman year curriculum is enormously demanding.

20 It's a required curriculum, somewhat out of fashion
21 these days, that puts our students who are the best
22 students coming out of their high schools, out of
23 their cities, out of their states, that puts them in
24 an academic environment that challenges even the best
25 of them, so we can to be very careful in our
26 admissions process that we don't admit students who

1 are not able to do the work, and we select only those
2 who can.

3 I am certain that if a student coming out
4 of community college has demonstrated the ability to
5 do the work at MIT, that student would get an
6 absolutely fair evaluation in our admissions process.

7 DR. NUNLEY: I might mention that we have
8 transferred several students to MIT.

9 DR. HOCKFIELD: I am delighted to hear
10 that.

11 DR. NUNLEY: And they've done very well.
12 But I would just like to comment that because of the
13 growing cost of higher education, more and more of the
14 really academically outstanding students are beginning
15 in our nation's two-year colleges, and you might want
16 to give that a little reflection.

17 DR. HOCKFIELD: Yes. That's a very well-
18 placed suggestion, and I will look into that. And,
19 again, this is why MIT is so adamantly committed to
20 need-blind admission, need-based aid. We don't give
21 any merit aid, and we really do meet the full need of
22 our students, which is an extraordinarily expensive
23 proposition at MIT, but one that we feel is absolutely
24 essential to help support the nation's further growth
25 and economic development.

26 DR. DUDERSTADT: Other questions? I'm

1 interested in the issue of competition. It's clear
2 that that's one of the great strengths of the American
3 system. And institutions like MIT, that are clearly
4 at the pinnacle of quality, are evidence of that. But
5 there have been concerns raised that unbridled
6 competition can also lead to cost wreckers. I mean,
7 the kind of competition you folks have with your
8 friends up the River Charles, an example of it, and we
9 see it. That competition among elite institutions
10 that are relatively prosperous probably doesn't harm
11 your institutions, but if imitated by the broader
12 range of research universities that simply can't
13 compete, it can either cause them possibly to make
14 unwise investments, or to lose very valuable people.
15 Is the competition a stable phenomena, or is it
16 causing problems, from your point of view?

17 DR. HOCKFIELD: Well, competition, of
18 course, is always a little uncomfortable, but I
19 believe it is at the root of the American system of
20 success. And it is a marketplace-driven world, and
21 one I think that has served us very well. Of course,
22 it can get out of control, but there are natural
23 regulators on it.

24 Of course, every college or university in
25 the United States is not at the level, shall we say,
26 of the Harvards, the MITs, the Stanfords, the

1 Princetons, the Yales, but I think that these
2 institutions really do need to set a model for higher
3 education at-large. It doesn't mean that the other
4 schools need to follow lockstep what MIT does, how MIT
5 uses its valuable resources, but I think that
6 establishing a very high value of extraordinary
7 success in our faculty, and also of our students, is
8 something that we would be in some danger as a nation
9 if we did not have the schools that establish that
10 model for others.

11 DR. DUDERSTADT: Well, I must commend MIT
12 because through OCW, through Technology Transfer and
13 so forth, you really share your wealth with the rest
14 of the world in a very real way.

15 DR. HOCKFIELD: Well, this is very much
16 part of MIT's culture. It was part of our founding
17 mission, and MIT, I'll remark, being new to the
18 campus, only been there a year and a couple of months,
19 one of the things that's remarkable about it is there
20 isn't a fence or a wall, or anything that physically
21 separates MIT from the environment, and there is a
22 huge amount of conversation, shall we say, between MIT
23 and the institution up the river, and the other
24 schools in the area. And also, between MIT and
25 industries around us. I think this is an important
26 way in which MIT and schools like MIT serve the

1 nation.

2 DR. DUDERSTADT: Very good. Thank you
3 very much. Our next speaker is President Jack Wilson,
4 President of the University of Massachusetts.
5 President Wilson.

6 DR. WILSON: Thank you. Good morning.
7 I'm Jack Wilson, President of the University of
8 Massachusetts, the other land grant university in
9 Massachusetts, and a five-campus research university
10 serving 60,000 students, 14,000 faculty and staff, a
11 budget of over \$2 billion per year, doing
12 approximately \$400 million annually in externally
13 funded research. And I commend the Commission for the
14 work you're doing to focus on access, accountability,
15 affordability, and would like to take this opportunity
16 to address the issue of access to what kind of an
17 education, perhaps following on President Hockfield in
18 that regard, accountability for what outcomes, and
19 affordability, for whom and how.

20 I'll argue that affordability can best be
21 found through a focus of the application of technology
22 and best management practices in both educational and
23 administrative spheres, through generation of
24 alternative revenues, and through well-designed
25 financial aid models.

26 Now my perspectives today are formed by my

1 experience as a faculty member at RPI before I came to
2 UMass, where I worked with some of you, and at the
3 University of Maryland before that, and as Chair and
4 Co-Founder with Carol Twigg of the National Center for
5 Academic Transformation, which was started with an
6 \$8.8 million grant from the PEW Charitable Trusts.
7 And I cite that because they often say well, it can't
8 be done. You can't reduce cost and increase quality
9 at the same time, that there's a cost/quality
10 conundrum there. And I love to refer people to the 30
11 case studies of major universities that have done
12 exactly that, which was on their website.

13 The focus on quality, access, and cost of
14 the Pew CAT was closely related to the goals of this
15 Commission; although, I'd urge the Commission to give
16 the emphasis on quality a bit more prominence in the
17 deliberation.

18 Now turning to access, the question of
19 access to what in the context of American research
20 universities brings one face-to-face with a question
21 of quality and mission, and you got some of that in
22 the last testimony. While most parents and taxpayers
23 can understand the role of a research university as a
24 great place for their children to go to school,
25 understanding the rest of the mission of the research
26 university is a little more difficult.

1 I like to say that the path to economic
2 and social development in Massachusetts goes through
3 UMASS. That's a bit of an assertive statement, but I
4 believe that I can back it up with data. In
5 Massachusetts, we, along with MIT, and Harvard
6 comprise the top three universities and research
7 volume, and according to the Association of University
8 Technology Managers, we are the top university in
9 revenue from commercialization of our intellectual
10 property.

11 Geographically, our five campuses are
12 positioned to serve every region of the state, and
13 over 200,000 of our alumni, of our 300,000 alumni are
14 living and working, and as I like to remind our
15 political friends, and voting in Massachusetts.

16 In today's innovation economy, as you
17 know, we tend to find great research universities at
18 the core of every healthy economic region. It's true
19 in Massachusetts, North Carolina, Texas, California,
20 the other U.S. states, and it's equally true in
21 Tsinghua University in Beijing, the Indian Institutes
22 of Technology, as we discussed this morning. So the
23 question of giving a student access to a high quality
24 education, a research university, gives that student
25 access to experiences that are important and unique.
26 Our comprehensive research programs allow students to

1 participate in undergraduate research in
2 internationally significant projects. Incubators near
3 our campuses give real-world business, engineering,
4 and entrepreneurship opportunities to both graduates
5 and undergraduates. And by the way, we share those.
6 At our flagship camp, the University of Massachusetts
7 at Amherst, a consortium with four small but
8 outstanding liberal arts colleges allows their
9 students to participate in these same kinds of
10 programs, programs that would otherwise be
11 unavailable, as well as allowing our students to
12 participate in their terrific courses.

13 But access also demands that we take into
14 account access for students that have been under-
15 served in the past. We have established quite a few
16 programs that both encourage and enable participation
17 from under-represented groups. With \$12 million in
18 funding from the National Science Foundation, our
19 UMass Boston campus is working in partnership with the
20 Boston public schools to enhance opportunities in
21 science, technology, engineering, and mathematics in
22 minority majority schools. These are schools that
23 have not traditionally put many students into the
24 research universities, or into science and technology-
25 based careers. All five of our campuses have similar
26 programs. Boston's is the largest, in partnership

1 with the Boston public schools.

2 Five years ago, we formed an on-line
3 university, UMassOnline, to serve another group of
4 potential students who have not been well-served in
5 the past. These are primarily older employed
6 students, who need a degree or certificate, but do not
7 have physical access to a campus. And the pent-up
8 need in this area is demonstrated, very dramatically
9 demonstrated by the 25 to 40 percent annual growth we
10 had each year over the last five years. I think, in
11 fact, the lowest I think was 29 percent, typically
12 closer to 40 percent year-on-year through some of the
13 toughest economic times that we've seen. And we
14 expect to have - in fact, the number is in, I've just
15 seen it. We're well over 20,000 enrollments in UMass
16 Online this year, and growth shows no sign of abating
17 in the coming year.

18 By the way, that also brings approximately
19 \$20 million in revenue to the campus, much welcome at
20 a time when state revenues have decreased
21 tremendously, which brings me right to the question of
22 affordability. It's perhaps the most talked about,
23 worried about, misunderstood topic in higher education
24 policy circles today. It's not surprising, given the
25 wrenching dislocations we've seen in public funding of
26 higher education in the period from 2002 to 2004.

1 Earlier I noted that the university has a
2 \$2 billion budget, and I also noted that about \$400
3 million of that comes from the state. That represents
4 about 20 percent of our budget. Not too many years
5 ago, the state provided 40 percent of our budget.
6 We're not alone, so many of the public universities
7 have faced that same challenge. It's happening across
8 the country.

9 Our cuts came to approximately \$150
10 million, and we responded to those by stringent cost-
11 cutting, more on that in a moment, increased fund-
12 raising, innovative revenue-producing programs like
13 UMass Online and commercialization of our intellectual
14 property. And yes, we and others had no choice but to
15 raise student fees at the same time. Because our
16 tuition had been kept low for a long time, the
17 percentage increases look a bit alarming, and they
18 make good press. You start with a small number, and
19 you make a modest increase, and it's a large
20 percentage, and that makes good news for the
21 newspapers, not good news for us.

22 Again, we're not alone in that regard.
23 We're all facing it. It's happening across the
24 country, and those large increases have certainly
25 informed your deliberations, and you've heard about
26 that. It's a good discussion, it's important

1 discussion, but it also would be important to look at
2 some of the details of what's going on under that
3 financing arrangement, because although they were
4 large on a percentage basis, they resulted in tuition
5 and fee structures at our university that are between
6 a third and a half of the surrounding private
7 universities. And some of the increased revenues have
8 been redirected into need-based financial aid, so
9 we're proud to say that we meet 90 percent of our
10 demonstrated student financial need. I didn't put the
11 numbers in here, but you can see that our internal
12 funding to student financial aid is rather
13 dramatically increased. I think it's about \$56
14 million in just the last few years. And there's no
15 avoiding the fact that this is a significant
16 renegotiation of the agreement between the public and
17 the student, between the public and private part of
18 it, between the division of the cost of undergraduate
19 education between the public and the student.

20 And I'd like to say we've moved from an
21 everyday low pricing model to a moderate cost high aid
22 model. We've not gone nearly as far as the high aid,
23 high cost models of the private universities, where I
24 actually worked until recently. Each of these models
25 endeavors to make it possible for any qualified
26 student to gain access to a high quality undergraduate

1 education, but the high aid models do, indeed,
2 transfer more of the total cost to students, although
3 hopefully, according to an ability to pay.

4 Let me just say right up front that I
5 personally wish that the public would decide to re-
6 shoulder some of that burden for public higher
7 education, but my professional side tells me that
8 that's unlikely to happen given my analysis of the
9 stress on state budgets. And there's little prospect
10 for much improvement in that, and so that we should
11 really manage ourselves in a situation in which, at
12 best, revenues will be stable, and perhaps increasing
13 with the cost of living.

14 I went, in fact, to our Joint Legislative
15 Committee when I became Interim President and
16 suggested that if they could just assure us stable
17 funding, not an increase of the \$150 million we lost,
18 but stable funding that we could manage the university
19 and keep the tuition and fee increases under the cost
20 of living, and, in fact, have done that for the last
21 three years.

22 Now let me raise the issue of price
23 controls. They're often a politically popular and
24 expedient choice. You hear them bandied about in the
25 press to address concerns about price increases. But
26 as we know, they rarely work. Economists have shown

1 that price controls will often produce shortages and
2 decreased quality. I urge the Commission to reject
3 price controls; instead, focus on programs that
4 simultaneously encourage increased quality and reduced
5 cost, and I've talked a little bit about those
6 already. Let me give you an example on
7 administration.

8 We formed a Central Services capability to
9 eliminate the very expensive duplication of back-
10 office functions, like finance, HR, IT, and other
11 business functions. We once had five poorly
12 performing payroll systems for our five campuses. We
13 now have one, and it actually works pretty well.

14 When I got here, we had eight online
15 course management systems. We're down to two, and
16 hopefully eliminate that duplication. Three years
17 ago, we have five inadequate student information
18 systems. My staff made me change that word to
19 inadequate. I was a little more dramatic than that in
20 the past. Now we have two that are on parallel
21 tracks, and performing much better. And just as the
22 30 colleges and universities of the Center for
23 Academic Transformation database have shown that
24 application of technology and management can
25 simultaneously enhance quality and reduce cost, we've
26 seen that back-office functions can be enhanced and

1 cost reduction. And I'll say right up front, I
2 understand that you'll see some of our students
3 coming. Having debated these issues in conferences
4 and the press for over a decade, I am acutely aware
5 that others do not accept my contention that
6 technology and management properly applied - that's a
7 key phrase, properly applied - can lead to cost
8 reductions.

9 In fact some, perhaps even on our own
10 campuses, argue that technology invariably increases
11 cost. I've debated that nationally on many stages, as
12 Nick knows very, very well. He's watched me do it.
13 In general, their arguments are the logical equivalent
14 of arguing that no baseball team can win a world
15 series because the Red Sox couldn't do it for 86
16 years. There are many ways to fail, but the data
17 shows that there are many ways to be successful, as
18 well. A more careful examination of the evidence
19 clearly shows it can be done. And I hope that as you
20 consider new policies on affordability, you'll focus
21 on true cost savings and quality enhancements, and
22 upon financial aid strategies that address the needs
23 of students.

24 Now I'd like to turn to accountability
25 here. That's a key question. I heard the question on
26 retention. I'm going to be a little bit of a

1 contrarian here on this one, but we have a performance
2 management system that develops a number of
3 accountability issues, and we welcome that. We
4 welcome an emphasis, but recognize that metrics do,
5 indeed, drive behavior, and also recognize that
6 careful study is required to avoid the law of
7 unintended consequences. Let me address that issue of
8 retention.

9 I was once asked well, gee, Jack, it looks
10 like the retention rate is fairly low at UMass-Boston.

11 I said yes, and I'm very proud at that. And they
12 looked at me in absolute shock and horror. How can
13 you be proud of a low retention rate? Well, because
14 it's a lousy measurement of what we're trying to do.
15 First-time, full-time freshmen graduating in five to
16 six years, that doesn't happen to be the mission of
17 the UMass-Boston Campus, so if you want me to make the
18 UMass-Boston Campus look very , very good on that
19 retention rate, it would be a very different
20 institution, and it would look a little more like
21 UMass-Amherst, or perhaps a little more like Williams
22 College. And we'll take traditional 17 to 21-year old
23 students, and we will not focus on transfers - by the
24 way, my daughter went to Montgomery College and then
25 transferred to a four-year school and graduated. And
26 I love to cite the famous failures that have graduated

1 from UMass-Boston, like Joe Kennedy, for example, or
2 Mayor Tom Menino. And as you know, I use failure as a
3 badge of honor in those cases considering what they've
4 accomplished in life. So we have to be careful when
5 we put accountability measures out there that they
6 make sense.

7 Now, of course, applying that same
8 statistic to UMass Online would be even more
9 ludicrous, because it is not the mission of UMass
10 Online at all. So it's just one example of a well-
11 intentioned, but unfortunately in many cases, not
12 terribly appropriate metric. That's not demeaning the
13 work not against pretension, we're not against trying
14 to make sure that students have an opportunity to
15 graduate, if they wish to do so, but we also are not
16 against them transferring if that's a good thing, or
17 transferring in. And in response to that transfer
18 question, I could tell you that transfer students into
19 the University of Massachusetts, and we put a lot of
20 energy into making that work and making it successful,
21 and having articulation agreements do very, very well
22 at our institution, as they did, by the way, at RPI
23 when I was at RPI.

24 So in this regard, though, in terms of
25 developing incentives, we commend the President and
26 those in Congress who have called for additional

1 investments in science and technology education, and
2 research with a particular focus on the physical
3 sciences and engineering, and on the student pipeline,
4 and so we've already created our own multi-million
5 dollar fund, incentive fund. At the same time, we
6 were cut \$150 million, I raked another million dollars
7 off the top to put into an incentive fund to get more
8 students in that area, and get more attention on that.

9 So I thank you for your attention today. I hope I
10 wasn't too contrarian with some of my comments. Thank
11 you.

12 DR. DUDERSTADT: Very good. Nick.

13 MR. DONOFRIO: Yes. Jack and I know each
14 other, in full disclosure. I also went to RPI, and
15 we've known each other for some years. Thank you.
16 Very well done, President Wilson, on a number of
17 fronts. And there's just so many things I wanted to
18 question you on, but I'll try to keep myself focused.

19 It doesn't work, trust me. I'm an engineer, as well.
20 Maybe not from MIT, but other reasonably good
21 engineering school.

22 Jack, I'd like you to talk a little bit
23 about the application of technology. And, of course,
24 I've seen you do this up-front and personal a number
25 of times, but it seems to me, in general, it isn't
26 done very well. And I'd like some explanation on your

1 part about what does it take to apply technology well
2 to the academic environment in order for real
3 productivity, real advantage, and real benefit to
4 arrive. And I think it has something to do with
5 transformation, right along with technology, so could
6 you comment a little bit about that, please?

7 DR. WILSON: Thank you. Yes. Indeed, it
8 does have a lot to do with transformation, along with
9 technology. But we've seen that in pretty much every
10 area of technology coming in. When I was first in a
11 business where we were bringing computers into
12 accounting, I accused the accountants of wanting to
13 make the computer wear green eye-shades. In other
14 words, they tried to take technology and hammer into
15 old models, and you have to reconsider the model. But
16 what you should do is to think then, what is it you're
17 trying to accomplish, and how do you use the resources
18 best. So what we did as we transformed courses, is we
19 said okay, we've got very talented faculty. We want
20 to maximize the interaction between faculty and
21 students. We don't want to minimize that. It's not
22 that we want to put the student just sitting at a
23 computer, but how could we use technology to create
24 new kinds of courses where instead of being
25 responsible for sitting there and presenting
26 information, we had the faculty really involved and

1 interacting with the students, and allow the
2 presentation of information - well, actually, to move
3 more toward a discovery method. But you're quite
4 right that it comes down to transformation, it comes
5 down to design, and it comes down to execution.

6 And I think it was Woody Hayes who said
7 about the forward pass. He said, "With a forward
8 pass, I don't use it very much because there's three
9 things that can happen, and two of them are bad for
10 your team; and incompleteness and interception." And I
11 think technology is a little bit like that, too. If
12 you want to have an incompleteness or interception, it's
13 pretty easy to do, and so getting it right, and
14 getting the completion. But every football team
15 today, the forward pass is a big part of what they do,
16 and I think every university understanding how
17 technology transforms our business, whether it's
18 having a decent non-duplicated payroll system, or
19 highly engaging freshman courses is something that I
20 think everybody has to consider.

21 DR. DUDERSTADT: Chuck and then Richard.

22 DR. VEST: Jack, you've made a couple of -
23 well, you made more than a couple - but I wanted to
24 focus on two very good points you made; one is,
25 throughout this is a nice articulation of the social
26 contract you see University of Massachusetts having

1 with the people of the Commonwealth, and also, a
2 realistic statement about your outlook on long-term
3 budget support from the state, and a lot of great
4 ideas on how you've been able to use management and
5 technology, and modest increases in tuition to kind of
6 keep the system stable.

7 But longer term, do you think that you
8 will have the ability to meet that social contract of
9 providing opportunities, a wide variety of types, for
10 young men and women here, and older folks, as well, if
11 state investments remain flat or declining?

12 DR. WILSON: That's a very tough question,
13 Chuck. I have to say yes, we will, because I think we
14 have the management tools to be able to do it. But I
15 really hasten to add to it that I think it would be
16 unfortunate if that happens, because I think that the
17 strength of public higher education has been that
18 there has been a contract, and what I've tried to show
19 here is the degree to which we point the University of
20 Massachusetts at the issues affecting the Commonwealth
21 of Massachusetts, whether it's education of the
22 student, or it's commercialization of intellectual
23 property, incubators and so on, and so forth. So I
24 think that there's a strong argument for additional
25 public investment in public higher education. But the
26 fact is that if we have stable funding, I believe we

1 will be able to meet that social contract with some
2 pain. But what it does mean is, it does mean
3 abandoning the everyday low-price. Some of that I
4 don't think is such a bad thing, actually, because it
5 moves us more toward that moderate cost, high
6 financial aid model where we're meeting over 90
7 percent of our student's financial aid. So I think we
8 can honestly go to the parents of the Commonwealth and
9 say don't worry, if your child is admitted to the
10 University of Massachusetts, we will make it
11 financially possible for them to attend. But it won't
12 be by an everyday low price, it'll be by financial
13 aid, coupled with a moderate price. Who does that
14 disadvantage? That disadvantages the middle class and
15 upper middle class student, and it does shift the cost
16 sharing in that direction. And I think that we've
17 come a long way in that direction in the United
18 States, not just at the University of Massachusetts
19 toward that cost-sharing.

20 When you hear from our students, you will
21 hear, certainly, that they didn't appreciate it, don't
22 appreciate it. I don't blame them. I don't
23 appreciate it either. Just a realistic on looking at
24 the budget and saying that I believe that we'll have
25 to manage with some targeted investments.

26 The better strategy, I think, for public

1 higher education is, in fact, to focus on certain
2 targeted investments, as we are, and looking in
3 capital and certain areas, and linking it to specific
4 outcomes that the Commonwealth, that the public would
5 like to see. It's a painful answer to that question,
6 which is a very difficult question.

7 DR. DUDERSTADT: Richard.

8 DR. VEDDER: I'd like to follow-up on
9 Chuck's question, on your answer. A distinguished -
10 well, some would debate this, I guess - a
11 distinguished citizen of the State of Massachusetts,
12 Robert Reich, once proposed a progressive voucher. He
13 was talking about K-12. Given the fact that you're
14 going from 40 percent to 20 percent state funding, and
15 heading towards zero - I mean, that's the direction -
16 why don't we move to a new model and simply make it
17 zero, give the money to the kids, give more money to
18 the more-deserving students, which is more in keeping
19 with the egalitarian designs of our nation, and of the
20 Commonwealth. Why don't we move in that model? We're
21 going to have a President of a university testify in
22 favor of that at our meeting in Indianapolis, I am
23 told, and I just wonder what your reaction is to that
24 approach.

25 DR. WILSON: Well, you're right. We're
26 kind of headed that direction, whether intentionally

1 or not intentionally. That is kind of the way that
2 the direction has gone. I think that would be
3 unfortunate if it goes much further. I was asked the
4 question could we manage in a stable situation, and I
5 answered it yes, we can manage in a stable situation.

6 The United States has built a very strong
7 network of very strong public universities. Although
8 I think they can manage with a smaller percentage of
9 their budget with that renegotiation, I think that
10 moving to that model would be really a disaster for
11 public higher education, because it would de-stabilize
12 the system that is serving this country so very, very
13 well. So I think that the idea of moving to a voucher
14 system and kind of just pulling it out all of a sudden
15 would certainly de-stabilize our wonderful public
16 university system that we have created around the
17 country, so I would oppose that.

18 DR. DUDERSTADT: Charlene.

19 DR. NUNLEY: Yes, on the same issue, I
20 have a question if why our case is so strong for
21 public support, we seem so reticent to make it.
22 Secondly, I would suggest that these models may not be
23 as advantageous for low-income students as we think,
24 since they tend to imply an understanding of the
25 system of how to get the money. And a lot of the
26 lower-income students who began in my type of

1 institution, for example, are first generation college
2 students who don't understand the system at all. And
3 I guess my third question is, if low tuition,
4 accessible higher education isn't important, why has
5 there been a massive increase in participation as the
6 community college system has grown across the country?

7 DR. WILSON: Okay. Those are all good
8 questions. Let me start with the issue of - please do
9 not confuse my desire for kind of my engineer's number
10 of saying that I don't see this turning around any
11 time soon. That's not because I like it. Okay.

12 Now people in Massachusetts will tell you
13 that I've been anything but reticent about asking for
14 a reinvestment. And, in fact, when I came in right
15 after the hit, I was presented with a budget at its
16 absolute low point of \$326 million, \$150 million from
17 where it had been, and immediately set to work to
18 convince our legislators to reinvest in the University
19 of Massachusetts, and the Governor's Bill, House-1,
20 was at about \$425 million for this year, so we've seen
21 some reinvestment, but we're not back to where we were
22 before. So believe me, there's no reticence. I'm
23 trying to be effective. Okay. It's one thing to have
24 a lot of rhetoric and go out there and say we should
25 do this, and do this, and do this. I just believe
26 that it's more effective if we make a very hard-headed

1 careful numerical analysis in go in and ask for
2 investments you have a chance of getting, and then
3 getting them done. And I also am asking for
4 investments in capital, because a capital investment,
5 we can show the payoff.

6 I've asked for investments in matching
7 funds. I've said that I can bring funds into the
8 state - not I, we, the University of Massachusetts can
9 bring funds into the state, if we had matching funds
10 available to us. And with \$5 million in matching
11 funds from the Governor at the height of this
12 craziness, we set up a \$40 million externally funded
13 Center on Collaborative Adaptive Sensing of the
14 Atmosphere with the Weather Channel, and IBM actually
15 is partner, and Raytheon, and a number of companies,
16 which is also generating spinoffs of new businesses.
17 So I'm not at all reticent about asking for those
18 investments, either in operations or capital, but I am
19 very realistic, and I try to make every one of my asks
20 a realistic ask within their capability of delivering,
21 and very well documented the returns that they might
22 get for that.

23 DR. DUDERSTADT: Very good. I think we're
24 going to have to move on. Thank you very much.

25 DR. WILSON: Thank you very much.

26 DR. DUDERSTADT: President Dennis Berkey,

1 President of Worcester Polytech. President Berkey,
2 welcome.

3 DR. BERKEY: Thank you. Good morning. I
4 appreciate the opportunity to spend these moments with
5 the members of the Commission. As the sign says, I'm
6 Dennis Berkey. I've been President of Worcester
7 Polytechnic Institute now for two years. Before that,
8 I spent 30 years at Boston University. I'm a
9 mathematician, on the mathematics faculty, and the
10 last 10 of which as Provost. I'm a member of the
11 small fraternity assembled before you this morning of
12 individuals who move within Massachusetts to
13 leadership positions in higher education. We
14 absolutely love this state.

15 Let me tell you a little bit about WPI, to
16 begin with. I do have prepared remarks. I would ad
17 lib with you, as has been suggested earlier, but the
18 risk there is that I'll go on at greater length than
19 if I simply share with you about seven or eight
20 minutes of remarks, then we'll get into your back and
21 forth.

22 DR. DUDERSTADT: Fair enough.

23 DR. BERKEY: Let's start with a little bit
24 about WPI. It's a small, independent research
25 university enrolling approximately 2,800
26 undergraduates and 1,000 graduate students. It was

1 founded in 1865 to prepare young men for engineering
2 careers in the manufacturing industries of Central
3 Massachusetts. WPI now enrolls both women and men in
4 a curriculum centered on engineering, science,
5 technology, and mathematics, with strong academic and
6 co-curricular programs in the arts and humanities, and
7 in management. We place a high premium on excellence
8 in undergraduate education, with rich student/faculty
9 interaction, and a unique approach to active
10 collaborative learning through a project-based
11 curriculum.

12 Each undergraduate at WPI must complete
13 three major projects, the most distinctive of which
14 addresses an identified need or problem at the
15 intersection of technology and society, most of which
16 are carried out in small teams at one of our 20
17 project centers around the world. These projects
18 range from the design of drift irrigation systems for
19 impoverished farming communities in Thailand, to the
20 preservation of canal infrastructures in Venice, to
21 the development and support of a competitive robotics
22 team in a local high school.

23 This mode of learning emphasizes the
24 development of important work and life skills, such as
25 cooperation, teaming, appreciating differences,
26 dealing with ambiguity, effectiveness in written and

1 oral communication, and working within real
2 constraints on time and resources. This WPI plan, as
3 we call it, is an expensive form of education to
4 offer, but it is highly effective in preparing our
5 graduates to be excellent employees, practitioners,
6 managers, entrepreneurs, inventors, and leaders.

7 Just a couple of general observations. In
8 his class essay, *The Aims of Education*, Alfred North
9 Whitehead warned about what he referred to as "inert
10 ideas, ideas that are merely received into the mind"-
11 I'm quoting now - "without being utilized or tested.
12 The details of knowledge", he said, "which, of course,
13 are also important, will be picked up ad hoc in each
14 advocacy of life, but the habit of active
15 utilization of well-understood principles is the final
16 possession of wisdom."

17 Three-quarters of a century later we find
18 similar views expressed in the 2004 book, *What The*
19 *Best College Teachers Do*, by Ken Bain. "The best
20 teachers", he reports, "say that we construct our
21 sense of reality out of all the sensory input we
22 receive. When these highly effective educators try to
23 teach the basic facts of their discipline, they want
24 students to see a portion of reality, the way the
25 latest research and scholarship in the discipline has
26 come to see it. They don't think of it as just

1 getting students to absorb some knowledge, as many
2 other people put it. They think about what they do as
3 stimulating construction, not just transmitting
4 knowledge. They often want students to do something
5 human beings don't do very well - build new mental
6 models of reality."

7 Now in thinking about how to ensure the
8 effectiveness of our system of higher education for
9 decades to come, these proposals for *The Aims of*
10 *Education* should guide us beyond mere concerns for the
11 performance of students on standardized tests, to an
12 ambition for higher order achievement, both by our
13 students and by our institutions.

14 In asking what skills our students will
15 need to succeed in the 21st Century, I hope the
16 Commission will note the success of programs, such as
17 the WPI Plan, which engage students in collaborative
18 learning and the application of knowledge. Obviously,
19 such programs cement received knowledge by putting it
20 to use. They involve, as well, the higher order
21 skills of connecting disparate components of
22 knowledge, the creative act of synthesis, and the
23 imaginative art of applying the marsh of knowledge to
24 solve genuinely important problems.

25 Students who complete such collaborative
26 work, when it includes requirements for written and

1 oral explication, assemble in the course of their
2 education a portfolio of reports and other documents
3 which are as revealing of the nature and the quality
4 of their academic work as their course grades and test
5 scores. And the record shows, at least for WPI
6 graduates, that they make excellent employees, and
7 experience high degrees of success in graduate and
8 professional studies.

9 I, therefore, recommend that the
10 Commission endorse and recommend adoption of higher
11 education curricula embracing collaborative learning
12 and problem-solving, such as that embodied in the WPI
13 Plan, in order to better prepare graduates for
14 productive contributions to the corporations,
15 organizations, and communities which they will serve.

16 Just a remark here, the issue of
17 competition has been raised earlier. This is a
18 somewhat different type of learning style in
19 education. I'm not nearly so concerned on the
20 question of what type of student comes to WPI with
21 standard academic credentials, such as test scores and
22 grades, as with the question - is this student well-
23 suited for this type of education. And I would hope
24 in our system of higher education, as complex as it
25 is, that we would be guided more by that type of
26 question, than by the competition for the students

1 with the very highest SAT scores, or course grades.

2 Similarly, as Jack Wilson has bragged
3 about Mayor Menino, and not necessarily completing his
4 degree at UMass-Boston, I will give you the WPI
5 example of Dean Kamen who invented the Segway, and who
6 is now bringing purified water to Africa with amazing
7 technologies. Dean has an Honorary Doctorate from
8 WPI. That's no surprise to you. You need to know
9 also that he was awarded an Honorary Undergraduate
10 Degree, just before he was awarded the Honorary
11 Doctorate, because Dean was quite good at soaking up
12 knowledge from WPI faculty, much better than he was
13 actually going to class and completing the
14 requirements of our curriculum.

15 Let me say just a word now about
16 strengthening science and mathematics education. It's
17 such an important topic that I suspect you'll hear
18 from each of us on it this morning. Meeting the
19 nation's workforce requirements in our high technology
20 life-science and other sophisticated industries
21 requires increased numbers of high school graduates
22 well prepared to study science, technology,
23 engineering, and mathematics, the STEM disciplines in
24 college.

25 It is both in the national interest, and
26 in our institutional self-interest, that colleges and

1 universities work with elementary and secondary
2 schools to improve curricula and support the
3 professional development of teachers in mathematics
4 and science. One model implemented by WPI and others
5 is to invite school teachers to become affiliated with
6 university science and mathematics departments, thus
7 forming peer relationships with university faculty,
8 engaging with them in the fuller consideration of the
9 shared academic field, and not simply classroom
10 methods and materials.

11 Another important model endorsed by such
12 organizations as Mass Insight, is to ensure the
13 presence of subject matter experts in mathematics and
14 science in each school building. Such individuals
15 serve as resources and coaches for teachers who may be
16 teaching out of their own field, or who simply can
17 benefit from assistance in strengthening their
18 teaching of mathematics and science. Such positions
19 are often viewed as luxuries and eliminated when
20 school budgets must be cut, as has been the case in
21 the Worcester public school system. These
22 specialists, however, are vitally important to the
23 goal of increasing the number of high school graduates
24 ready for continuing study in the STEM disciplines.

25 Similarly, there are curricula available
26 for adoption by the public schools that have proved

1 highly successful in increasing students interest and
2 success in the STEM fields. One such example is
3 "Project Lead The Way", an engineering-based
4 curriculum for high school science and mathematics,
5 which is accompanied by formal connections between
6 high schools and sponsoring colleges and universities.

7 Graduates of PLTW programs are not only well prepared
8 for and successful in the collegiate study of
9 engineering, but they have a very high success rate
10 when pursuing other academic interests.

11 WPI is the affiliate university for PLTW
12 in Massachusetts, conducting workshops for PLTW
13 teachers, and accepting for college credit certain
14 courses certified in the PLTW programs. We know that
15 it works. It is relatively inexpensive to offer, and
16 it has great potential for further positive impact.
17 In light of these observations, I recommend that the
18 Department of Education encourage and support efforts
19 by colleges and universities to assist elementary and
20 secondary schools in strengthening the teaching of
21 mathematics and science, that the Department of
22 Education provide funding for elementary and secondary
23 schools specifically designated and use exclusively to
24 provide science and mathematics subject matter experts
25 in the schools. And that Department of Education
26 funding be provided to enable the adoption of

1 innovative programs with demonstrated success in
2 improving mathematics and science education, such as
3 Project Lead The Way.

4 Just a word now on university's role in
5 economic development. Following World War II,
6 Vannevar Bush proposed and the federal government
7 adopted the approach of relying heavily on the
8 nation's universities to develop the research that
9 would fuel America's economic development for the next
10 half-century. The basic mechanism for accomplishing
11 this was the Faculty Research Grant funded primarily
12 by the National Science Foundation on the basis of
13 peer-reviewed proposals.

14 The nation once again needs our
15 universities to aid directly our economic development,
16 this time with direct investment and involvement in
17 the economic development of the communities which they
18 inhabit. One important component of this engagement
19 is the transfer of intellectual property in the forms
20 of patents and licenses from the lab bench to the
21 commercialization channels offered by companies large
22 and small, including companies formed around
23 particular promising technology.

24 A particular example of such developments
25 is Worcester's Gateway Park, an 11-acre brownfield
26 parcel at one end of the city's downtown corridor,

1 which has been cleaned up and made ready for
2 development by a partnership between WPI and the
3 Worcester Business Development Corporation. The first
4 building now under construction and to be named The
5 WPI Life Science and Bioengineering Research Center,
6 is slated to house research laboratories and graduate
7 programs of WPI's biology, chemistry, and biomedical
8 engineering departments, WPI's Bioengineering
9 Institute, and a start-up incubator of the
10 Massachusetts Biomedical Initiative, or the MBI.

11 The applied research and faculty presence
12 will attract companies from the life science
13 industries into three future buildings. Housing at a
14 range of price points will be developed in the
15 district, and retail and other business tenants will
16 round out this science-based mixed use development.

17 Gateway Park will ultimately provide one
18 million square feet of new space for business and
19 academic use, employment for more than 3,000
20 individuals, and a new vibrancy for a neighborhood
21 important to both WPI and downtown Worcester.

22 The concept of Gateway Park and the
23 particular needs for its development have been
24 strongly supported by Senators Kennedy and Kerry,
25 Congressman McGovern, State Senator Augustus, and the
26 City's Mayor and City Manager. WPI stimulated the

1 actual construction with \$40 million in financing, and
2 a commitment to lease 75 percent of the space in the
3 first building for its Life Sciences Center. It is a
4 true partnership anchored by WPI and involving the
5 city, the business community, and the state and
6 federal governments.

7 The fruits of Gateway Park will be more
8 than jobs and real estate improvement. The research
9 and graduate training carried out in its facilities,
10 and the collaborative relationships developed across
11 constituencies in this park will strengthen our labor
12 force, fuel our life science companies, and enhance
13 WPI's research capabilities.

14 Reflecting on this example, I recommend
15 that the Department of Education encourage
16 universities to support local and regional economic
17 development, build research collaborations between
18 academe and industry, make strategic investments in
19 neighborhood development, and actively solicit local,
20 state, and federal support for such partnerships.

21 Finally, let me say a word or two about
22 access and affordability. We share the concern of the
23 Commission, the Congress, and the public over the
24 rising price of college education, and the
25 corresponding concern for access, especially for
26 economically disadvantaged students. Residential

1 undergraduate and graduate education is expensive to
2 provide, especially in the engineering and natural
3 science disciplines, where the cost of laboratories,
4 instrumentation and technology are high and rising
5 faster than general inflation.

6 Universities are working assiduously to
7 control cost, to raise endowments, and to provide
8 direct support for student scholarships and general
9 financial aid. At WPI, our most recent entering class
10 received institution-based financial aid equaling
11 approximately 41 percent of gross tuition charges.
12 We've also developed a cooperative agreement with
13 Quinsigamond Community College, whereby students who
14 successfully complete a two-year pre-engineering
15 program can transfer to WPI as juniors, thus
16 benefitting from two years of significantly lower
17 tuition, and in some cases, and just as importantly,
18 overcoming deficiencies in their academic record which
19 might have prevented them from being admitted to WPI's
20 freshmen. Many other colleges and universities have
21 similar programs, but these efforts are not enough.

22 As it did with the National Defense
23 Education Act following the launch of Sputnik, the
24 federal government needs to make a greater investment
25 in the education of the next generation of America's
26 engineers, scientists, and teachers of science and

1 mathematics. From the point of view of national
2 economic competitiveness, higher education is less a
3 private good than a national need and a high priority.

4 While all qualified and needy students should be
5 provided greater amounts of financial assistance,
6 those intending to study in areas most directly tied
7 to the nation's economic development and
8 competitiveness represent a compelling opportunity for
9 investment. I, therefore, recommend that the federal
10 government increase the amounts allocated to student
11 financial assistance with special support for students
12 studying in the STEM disciplines, and especially for
13 those students intending to teach these subjects at
14 the elementary or secondary level.

15 This completes my comments, and I
16 appreciate the opportunity to share these thoughts
17 with you.

18 DR. DUDERSTADT: Thank you very much.

19 MR. DONOFRIO: Excellent, President
20 Berkey. Thank you very much. I'm very, very
21 impressed with your view of the WPI Plan. In fact, you
22 said many words that ring incredibly true and clear to
23 me, as you talk about collaborative learning, problem-
24 solving, and all those skills, so I have two questions
25 for you, given the potential of this plan to really be
26 something incredibly valuable for this country as we

1 move to innovation in the 21st Century.

2 How do you choose the students in order to
3 know, if it's not through testing, as you indicated in
4 your testimony. How do you choose the students to
5 know that they're going to do well in this plan, and
6 how do you know that this plan really does as well as
7 you think it does in terms of outcomes? So if you
8 have outcome measurements, tell me about both, please.

9 DR. BERKEY: The outcome, the second
10 question first - the outcome measurements is to look
11 across the body of alumni where they wind up. Alumni
12 from WPI are heavily represented as leaders of
13 organizations, as entrepreneurs especially. There is
14 something about the project-based experience that
15 enables the young person to be confident in relying on
16 a broad cross-section of what they have learned and
17 abilities, and not to think within the confines of
18 particular disciplines. And that seems to produce a
19 high percentage of entrepreneurs, but still these
20 students are successful in more conventional pursuits,
21 graduate and professional study.

22 How do we select the students? We make it
23 very clear to them what the nature of the program is
24 at WPI, so they select us. We then work with them
25 very carefully as they enter the institution, breaking
26 them down in small learning communities, and stressing

1 inter-disciplinary approaches and creative approaches
2 to problem-solving as quickly as we can, so that those
3 students who will prosper and excel at it can move
4 ahead, and those students who need extra help,
5 especially through peer counseling-kinds of
6 activities, can receive it quickly.

7 MR. DONOFRIO: One follow-up question. Is
8 there much turnover in the beginning with the freshman
9 class?

10 DR. BERKEY: No, our freshmen to sophomore
11 retention rate is about 91 percent.

12 DR. VEDDER: I'll try to make this a
13 yes/no answer, because we're running behind schedule.

14 This is kind of a provocative question, I guess.
15 Would the elimination of colleges of education and the
16 reallocation of the resources by colleges and
17 universities towards subject-based science instruction
18 and other forms of instruction be a constructive,
19 positive step in improving K-12 science education in
20 the United States?

21 DR. BERKEY: I'd look at it differently.
22 I would say should those colleges of education
23 producing teachers require of those students the
24 completion of the equivalent of an undergraduate major
25 in a liberal arts college as part of their
26 preparation. I wouldn't necessarily pin it on whether

1 or not the colleges of education should continue to
2 exist.

3 DR. DUDERSTADT: Very good. Thank you
4 very much.

5 DR. BERKEY: Thank you.

6 DR. DUDERSTADT: President Robert Brown,
7 President of Austin University.

8 DR. BROWN: Good morning, and thank you
9 for the opportunity to address the Commission. I have
10 remarks that are being distributed, I think, as I
11 speak, and I think I'll follow President Berkey's lead
12 in that use those pre-prepared remarks as the basis
13 for a short statement, and then open the floor for
14 questions.

15 First, I want to thank all the
16 commissioners and Secretary Spellings for focusing
17 your attention on recommendations aimed at improving
18 the higher education system in the United States.
19 Your deliberations are timely for the future of our
20 universities and colleges, and for the continued
21 prosperity of the country.

22 This morning I'd like to speak from two
23 perspectives. First as a person who has spent my
24 professional life in higher education, beginning as a
25 professor and a researcher. I am a Chemical Engineer
26 by trade, and most recently as a leader of a large

1 urban private university. After 26 years at MIT, I
2 began serving Boston University as its President last
3 fall.

4 A word about BU. BU serves 15,000
5 undergraduates, another 14,000 full and part-time
6 graduate students, and professional students. It is
7 also a major research university doing over \$300
8 million of sponsored research annually. Our annual
9 budget is approximately \$1.7 billion per year - give
10 you some sense of the scope of the university.

11 I also have consulted for a number of
12 foreign governments over the last years on the
13 development of research universities, and on the
14 creation of government-sponsored research
15 institutions. Because of these parts of my career,
16 I've spent considerable time thinking about
17 universities, and about the models for their
18 development, and I'd like to use these perspectives
19 for my remarks.

20 I want to begin with the perspective that
21 comes from outside this county, and I think it's
22 important for this Commission to hear this. The
23 American higher education system of public and private
24 universities and colleges is the envy of essentially
25 all nations. Others recognize that we support an
26 incredible diversity of institutions with faculties

1 and academic programs that are tailored to varying
2 student needs. Moreover, international leaders in
3 higher education realize it is the competition between
4 these institutions that is ultimately responsible for
5 the excellence of our schools, and for the overall
6 quality of our higher education system.

7 The competition I speak of is not across
8 all of the institutions in the system. There are
9 several different markets at work simultaneously,
10 ranging for the competition between small local
11 colleges for commuting students, to the nationwide
12 competition for the very best faculty students, and
13 for the support of research between our large research
14 universities.

15 Within our system, the large role of
16 private university and colleges is essentially unique
17 in the world. Only from the United States do
18 privately operated universities appear on a list of
19 the very best universities in the world.

20 This outcome has been noted by others, and
21 it's behind moves in several countries to emulate our
22 institutions. Examples of change are the move toward
23 more public university autonomy in the Japanese system
24 of state-owned institutions, and another example would
25 be the establishment of the International University
26 of Bremen in Germany on the model of an American

1 private university.

2 Change also is occurring rapidly in
3 Singapore, a country known for the excellence of their
4 K-12 education, and for international leadership in
5 mathematics and science education. Singapore is now
6 turning its attention to higher education, and has
7 been studying United States institutions carefully.
8 Their government has moved to give their three public
9 universities autonomy, complete with private boards of
10 trustees, and has recently announced the
11 establishment of a National Research Foundation with
12 the goal of drastically increasing competitively
13 distributed academic research funding.

14 The Singapore government's goal is to give
15 the universities the freedom to respond separately, as
16 do private United States universities to demand of
17 their student constituencies, and to create the
18 competitive environment between their schools that is
19 needed to develop academic excellence on an
20 international scale.

21 As Singapore moves to do this, their
22 leaders fully understand the impact of the quality of
23 research excellence on education, where the value
24 proposition for the undergraduate student rests in the
25 creative classroom environment established by faculty
26 members at the frontiers of their disciplines, and by

1 the special opportunities outside of the traditional
2 classroom available for ambitious students. These are
3 the benefits that other countries are looking for in
4 their drive to establish research universities like
5 our's.

6 I believe that the Commission should
7 recognize that the American higher education system
8 has produced a competitive environment that fuels the
9 excellence of our institutions, and the quality of the
10 educational experience for our students. I hope that
11 the Commission will strongly endorse maintaining this
12 diversity, and resist recommendations that normalize
13 institutions toward any standard. I also hope that
14 the Commission recognizes the very special role of the
15 American private research university in our economy,
16 in our educational options for our students.

17 My second point revolves around the
18 variety of educational programs in our large research
19 universities. As an example, Boston University has
20 developed a system of undergraduate education based on
21 a quality liberal arts education, potentially coupled
22 with opportunities for professional education in a
23 range of fields, including engineering, management,
24 journalism, occupational therapy and conservatory-like
25 experiences in theater and music. All students within
26 this curriculum can complete requirements in writing,

1 core humanities, and mathematics.

2 The markets for our graduates judge the
3 quality of these programs, and the preparation of our
4 students to enter either the job market, or to attend
5 professional and graduate programs. The popularity of
6 our university and of our programs with students and
7 parents is related to these outcomes, which also
8 strongly impact the reputation of the university.
9 Reputation and outcomes are obviously coupled
10 together, and one can rightfully ask if the feedback
11 of the quality of education is direct enough. Are
12 there outcome-based metrics that can realistically
13 gather and be reported to help students in picking
14 institutions?

15 Surely, comparisons are valuable between
16 institutions with like programs, but data average
17 across the university is less relevant. For example,
18 when looking at employment data, how can one compare
19 the job possibilities for new graduates from the
20 School of Engineering with those furnished an aspiring
21 actress or musician graduating from the College of
22 Fine Arts? Disciplinary-based comparisons of outcomes
23 across universities do have some merit, but are
24 difficult to interpret without detailed analysis of
25 individual programs.

26 Using standardized testing of graduating

1 undergraduates to measure outcomes has the same
2 difficulties. Unless reduced to considering the most
3 basic levels of knowledge, university-wide testing
4 will not capture advanced learning, or measure the
5 value of the university experience. Testing of basic
6 skills can easily be reduced to being another attempt
7 at evaluating the effectiveness of K-12 education in
8 preparing a student for a rigorous college education.

9 It would seem best, to me, to put the emphasis on
10 improving the preparation of our high school students
11 for higher education. Universities can and are
12 helping with this challenge.

13 Catalyzed by our federal programs, and by
14 a deeply held sense of engagement between our campus
15 and the city, we have seen growing faculty involvement
16 in working with our public schools to improve teaching
17 in mathematics and reading. Through our School of
18 Education and in collaboration with faculty and
19 science engineering, we are moving to organize these
20 efforts at Boston University into a common theme. The
21 continued emphasis of federal programs on the support
22 of these programs will be necessary for sustained
23 success.

24 The final point I would like to make may
25 be obvious to the Commission, but I also think it is
26 important; the point is that private research

1 universities are not all alike in the financing of
2 their operations. Most importantly, the budgets of
3 most private institutions are driven by the tuition
4 and fees paid by their students, and not by endowment
5 income or annual giving. For the largest private
6 universities, tuition and fees paid by students
7 usually compose at least 50 to 60 percent of the gross
8 annual revenue; while endowment income and annual
9 giving by alumni amounts to 10 percent or less. This
10 is not the financial model that comes to mind when
11 people read about well-known private universities with
12 large endowments.

13 Institutional reliance on student tuition
14 for financial support of the university must be
15 balanced by financial aid for needy qualified
16 students, and for grants to attract the very best
17 students to our programs. The commitment to
18 undergraduate financial aid is substantial within
19 private research universities. It is not uncommon for
20 the average financial aid given to an undergraduate
21 student to be greater than one-third of the tuition.

22 In this fiscal year, the one in which
23 we're operating, Boston University's undergraduate
24 financial aid budget is approximately \$165 million.
25 The amount would be significantly larger if the
26 institution tried to meet full financial need for all

1 of our undergraduates.

2 A related realization is that typically
3 the majority of this financial aid comes from the
4 operating budget of the university, and not from the
5 income from endowment or from gifts. Consider a
6 simple calculation for a university with an operating
7 budget of \$1 billion. Most budgets for universities
8 with medical and professional schools are considerably
9 larger, and consider that the university had a
10 billion dollar endowment. Although this sounds like
11 substantial funding would come from the endowment, it
12 does not in reality. Income from the endowment, which
13 has generated 4 to 5 percent of the endowment total,
14 amounts to 4 to 5 percent of the operating budget of
15 40-50 million dollars annually.

16 Assuming tuition for a student roughly
17 costs \$30,000 annually, the financial aid for 4,800
18 undergraduates or a class of 1,200 students a year
19 will exhaust the income from the billion dollar
20 endowment. You can sense the magnitude of the
21 challenge of funding financial aid for a university
22 with 15,000 undergraduate students. Federal financial
23 aid for needy undergraduates appropriately indexed for
24 inflation is critically important to helping qualified
25 needy students have access to all universities,
26 especially private universities.

1 Private universities in general, and
2 private research universities in particular are a
3 unique, American creation that have and will continue
4 to play a critical role in higher education and the
5 prosperity of our nation.

6 I hope the Commission will support the
7 continued success of these institutions. Thank you
8 for the opportunity to talk with you today.

9 DR. DUDERSTADT: Thank you very much.
10 Richard.

11 DR. VEDDER: You seem to be somewhat
12 skeptical of the ability to come up with outcome-based
13 metrics on some sort of national level. I can
14 understand the skepticism, but let me just ask a
15 question. How do you know if students at Boston
16 University who are graduating have learned during the
17 course of their three, four, six years there anything
18 about -- how do you know how much knowledge they've
19 learned, how much skills they have acquired, critical
20 thinking abilities, or even enhanced citizenship - how
21 do you know what the outcome of a student going to
22 Boston University is?

23 DR. BROWN: At a university's core, it
24 must rely on the judgment of its faculty, and
25 hopefully the faculty discussing across whole colleges
26 and schools in the university about what the core

1 attributes, the core curriculum of the university
2 should be. And then relying on the delivery of that
3 core curriculum and on the grading system of the
4 university, to basically authenticate that that
5 curriculum has been delivered to the students, and the
6 students had passed that curriculum. This is an age-
7 old process, and this is why this is the role of the
8 faculty within the university.

9 One of the discussions when you have a
10 broad university, as Boston University, is how you
11 actually generate that concept of the core, how do you
12 generate that concept of the core in terms of what is
13 a literate, well-informed citizen coming out the other
14 side? The value of the liberal education, balanced
15 with the professional education in the profession that
16 the student has chosen to be in.

17 We have delegated that traditionally to
18 the faculties in our university, and that's what's
19 caused the richness and variety of the university
20 system within the United States, ranging from the very
21 structured undergraduate curriculum that you heard
22 Susan Hockfield talk about, to the other extremes of
23 self-generated curricula that you'll find in some
24 institutions.

25 What we know at Boston University is that
26 we have rigorous grading, and we have rigorous

1 discussions about what those standard core subjects
2 are in the different disciplines. And what we know is
3 our students have passed those subjects, and as long
4 as you really believe your grading system and faculty
5 is working correctly, I think that you have to fall
6 back on that basis.

7 DR. DUDERSTADT: I was quite interested in
8 your very strong appeal for the importance of private
9 higher education in this country, and the recognition
10 of that around the world. Clearly, important
11 programs, federal programs like financial aid, are key
12 to that. Clearly, tax policy is key to that, which
13 most other nations do not have.

14 What about the whole issue of autonomy in
15 governance - do you sense intrusion from government,
16 state, federal governments on the autonomy of private
17 institutions to control their own destiny? I think of
18 a Supreme Court decision of last week, for example,
19 that affects our law schools.

20 DR. BROWN: Yes, but I do not see this as
21 from an operating principle -- a set of operating
22 principles for private universities to be a
23 substantial issue. I think that probably the biggest
24 issue that is actually affecting private universities,
25 I decided not to dwell on that today, is the shift
26 away from a true cost-basis of sponsoring research on

1 our universities, but I don't believe this
2 differentially affects private universities versus
3 public. Both are struggling under this basis.

4 The private universities have the
5 challenge of, especially tuition-based universities,
6 of how to stay research universities when the federal
7 government is not actually on a true cost-basis
8 supporting the research that you're trying to do,
9 because what it forces you in that situation is
10 subsidizing that research effort, subsidizing that
11 part of your excellence off the basis of tuition,
12 which is very, very difficult to do with the financial
13 aid requirements that we have.

14 DR. DUDERSTADT: That's a good point to
15 get on the table here.

16 MR. DONOFRIO: Just a brief one, President
17 Brown, kind of a follow-up on Rich's in some sense,
18 back to this outcome, if we might. Your interaction
19 pleas with industry from BU's perspective, and what
20 role should industry play in determining what the real
21 ultimate success measurement is? And more
22 importantly, what interactions do you have with
23 industry to kind of keep yourself honest, if you will,
24 on an ongoing basis in terms of changes?

25 DR. BROWN: Well, you have to --
26 hopefully, we're defining the word "industry" broadly

1 enough to actually impact Boston University.

2 MR. DONOFRIO: You can pick it.

3 DR. BROWN: Okay. We have, for example,
4 an intern program in Los Angeles in the Communication
5 and Fine Arts industry, if you will, that places 300
6 BU students per semester in Los Angeles to do interns.

7 This is a very important issue within the School of
8 Communications and the School of Fine Arts, in terms
9 of helping our students get a foothold in the
10 industry, and also understanding the perspective in
11 public relations, journalism, media communications
12 about how the industry actually acts.

13 We have a Board of Visitors in the School
14 of Communication made up of people that are a mix of
15 people that are Boston University graduates and from
16 the industry, and that's the way we get feedback, as
17 do many universities in terms of the placement of our
18 students. But if you take that part of the industry,
19 if you will, it's a very different kind of industrial
20 model in some ways, in terms of placement and job
21 possibilities than it is in my previous experience in
22 the engineering professional world, because the range
23 of possibilities, the range of firms people work in is
24 just vastly different. Okay. So we have good
25 feedback in those kinds of programs.

26 Probably the place where the feedback and

1 the word "industry" decouples is when you start
2 thinking about humanities in arts in the traditional
3 College of Arts and Sciences concentrations, where
4 people do not believe, at least coming through the
5 university, that they're necessarily preparing
6 themselves for a particular job in a particular
7 industry, so that concept doesn't exist.

8 DR. DUDERSTADT: Okay. Thank you very
9 much. President Richard Miller, President of your
10 youngest college, Olin College.

11 DR. MILLER: Good morning. It's a
12 privilege to be here. It's especially a privilege for
13 such a small and unknown, and experimental institution
14 as Olin to be included with this large group of
15 distinguished institutions with a long history.

16 Because Olin is so unusual, let me start
17 and spend a couple of minutes sort of outlining what
18 Olin is, and what it's about. Olin College was
19 founded in 1997 by the F.W. Olin Foundation from New
20 York City. That foundation is well-known for
21 philanthropy in higher education primarily through its
22 program of building grants over a period of about 50
23 years, where it funded the full cost of the
24 construction of 78 buildings on 58 university
25 campuses. This foundation is not to be confused with
26 other foundations that also have Olin in their title.

1 The Olin Foundation ended their Building
2 Grants Program in 1997, and decided instead to devote
3 the remainder of their resources to the founding of
4 Olin College. The mission and charge to Olin College
5 was rather ambitious, and somewhat irreverent to
6 change the paradigm for undergraduate engineering
7 education. This conclusion of the Olin Foundation to
8 devote their resources to this task was the result of
9 large effort over several years of conversations with
10 the National Science Foundation with the Accreditation
11 Board for Engineering and Technology, many college
12 presidents, and with representatives from the
13 industry.

14 It was their conclusion that a great deal
15 of unhappiness existed with the current state of
16 affairs in the preparation of engineering leaders.
17 And although progress was being made with varying
18 degrees of success at many colleges and universities,
19 the best way to accelerate the process of change was
20 to create an entirely new institution.

21 The Foundation didn't do this without a
22 great deal of thought, and without high expectations,
23 and to ensure that Olin would not just be another
24 small college, they created a set of founding precepts
25 which are unusual. Included in these are, first of
26 all, the faculty at Olin College will not be offered

1 tenure. Olin College will not organize itself around
2 academic disciplines. All students at Olin College
3 will receive eight semester tuition scholarships, and
4 the focus at Olin College will always be on
5 undergraduate engineering education in a residential
6 environment. And possibly, and most importantly, the
7 college will try to develop a new culture based on
8 continuous improvement and innovation.

9 Engineering education is important for the
10 national competitiveness, as many have noted,
11 particularly the recent book by Tom Friedman, The
12 Council on Competitiveness Report, The National
13 Academy of Engineering's recent report, and even
14 President Bush in his recent State of the Union
15 Address.

16 A few facts about the current status of
17 Olin College. It's located in Needham, Massachusetts
18 adjacent to, but completely independent from
19 neighboring Babson College, a business school. Olin
20 occupies 70 acres, about 400,000 square feet of
21 attractive all new buildings. It's chartered to offer
22 three degrees, all engineering degrees, Bachelors of
23 Science in Engineering, Bachelors of Science in
24 Electrical and Computer Engineering, Bachelors of
25 Science in Mechanical Engineering, and its current
26 enrollment is 288 students. It has a faculty of 34,

1 and a staff of 70.

2 The students that have been attracted are
3 exceptional by all traditional metrics. Forty-five
4 percent of the students, and 40 percent of the faculty
5 are women. Students come from 45 states and a few
6 foreign countries. Ninety percent of the operating
7 revenue of the school, in contrast to the testimony
8 that was just given by Boston University, 90 percent
9 of the operating revenue at Olin College is provided
10 by income from an endowment, which is provided by the
11 Olin Foundation for this purpose.

12 The curriculum was invented during a
13 unique two-year process involving students as partners
14 in this invention process, something which has marked
15 our program from the beginning. *The Wall Street*
16 *Journal* ran an article on December 20th, which provides
17 a good overview of the educational approaches used at
18 Olin, if you want more detail.

19 The first commencement of the college is
20 scheduled to take place on May 21st of this year, so we
21 have not yet graduated any students, so this is very
22 much a preview of a work in progress, rather than a
23 report to the country.

24 Olin College obviously is still in its
25 infancy, and as a result, there hasn't yet been enough
26 time to conduct controlled experiments to formally

1 evaluate the many ideas that have been developed here.

2 The task of invention from a blank slate requires
3 simultaneous decisions on the selection of literally
4 hundreds of important variables, and intense efforts
5 to coordinate and balance these effects during the
6 initial deployment.

7 In contrast, the task of careful
8 evaluation requires conducting controlled experiments,
9 of which only one variable at a time is varied and
10 assessed. Therefore, at this stage in our
11 development, most of what we have to report is in the
12 form of early observations, rather than assessment of
13 the results.

14 I'd like to make a few observations now
15 about the experiments that we've had in place. The
16 first one is that we believe students are
17 fundamentally more capable than we expected, and I
18 think this may be a generalizable principle to other
19 institutions, as well. Of course, that's speculation.

20 Perhaps the most important conclusion
21 we've reached in our experimentation with bright
22 engineering students is they're far more capable of
23 independent learning in truly challenging situations
24 than we expected. During the Olin Partner Year, when
25 30 students worked closely with our founding faculty
26 on educational experiments, we found that students

1 rarely failed to achieve specific results under
2 pressure when challenged to do so in small teams.
3 Team work is a really important concept.

4 We also found that they make highly
5 responsible remarkably mature, insightful colleagues
6 in making important fundamental decisions on many
7 aspects of the educational enterprise, not just in the
8 classroom. We suspect that students are frequently
9 under-estimated as partners in the educational process
10 and other institutions. Furthermore, when students
11 are better challenged and given real responsibilities,
12 they appear to become much more engaged in their own
13 learning process. They appear to learn faster and
14 more authentically, and they become more committed to
15 the completion of their program, which has been a
16 problem in engineering.

17 The principle of engaging students in
18 learning by discovery is now deeply woven into the
19 fabric of everything that exists at Olin.
20 Furthermore, student involvement in designing and
21 shaping many other dimensions of the institution has
22 also been institutionalized to a greater extent than
23 many others would think is either possible or wise.
24 Students are routinely invited to serve on nearly all
25 major administrative committees. They even are
26 involved in the selection of incoming freshmen and the

1 admission process, as well as the selection of new
2 faculty during the interview process. In fact, when
3 recruiting our first several classes of incoming
4 students, we told them when people ask you where are
5 you going to college, tell them you're building your
6 own.

7 Another observation, not having tenure did
8 not seriously hinder our efforts to recruit faculty.
9 Tenure is such a deeply embedded aspect of faculty
10 employment that we worry deeply whether the decision
11 not to offer tenure, combined with the absence of
12 graduate programs, would make it impossible to attract
13 faculty candidates with recognized national
14 achievement. Our primary criterion for the selection
15 of faculty members is the demonstrated ability or the
16 potential to provide truly inspirational teaching at
17 the undergraduate level.

18 Of course, engineering is a rapidly
19 evolving field, and you can only teach what you know.

20 Therefore, it's essential that faculty members in
21 science, math, and engineering maintain a serious
22 lifelong commitment to continue the intellectual
23 vitality in their field. It's not just about teaching.

24 So Olin College also requires all faculty members to
25 develop an individual program of research, invention,
26 entrepreneurship, artistic endeavor, scholarship or

1 other creative activity that will lead to nationally
2 visible achievement in their field.

3 In spite of these concerns, our experience
4 for the first six years in faculty recruiting has
5 shown that we were able to attract distinguished and
6 capable faculty without offering tenure. Although
7 nearly all of our faculty appointments are in some
8 area of engineering, science, or math, where
9 competition from industry is substantial, we've
10 averaged more than 100 resumes per faculty position in
11 our recruiting efforts.

12 It's important to note that the success
13 has not been obtained by simply providing excessive
14 compensation. We benchmark our faculty salaries and
15 benefits with highly competitive engineering schools
16 across the U.S., and our average faculty salaries are
17 less than 5 percent above the benchmark. The largest
18 barrier to faculty recruitment at Olin College is one
19 which all of my colleagues here share, and that's the
20 high cost of living in the Boston area.

21 Another principle which we have had some
22 experience with and I'd like to share is that
23 continuous improvement in innovation requires a
24 culture change, an attitude shift and continuous
25 assessment. Few things are more predictable about the
26 next few decades than the accelerating rate of change

1 that we can expect. This change comes from many
2 sources, including the rapid development of India and
3 China and the world economy, and the increased speed
4 with which technological advances are changing our
5 world, including the way children learn. Both of
6 these trends appear to be inevitable, and both are
7 likely to affect our lives in profound ways.
8 Preparing students for this new world is a great
9 responsibility.

10 In my 25 plus years as a faculty member at
11 four institutions in three different geographic
12 locations, I've come to appreciate the special
13 contribution that higher education makes to our
14 society. The pursuit of truth, no matter where it
15 leads, aided by academic freedom and the
16 responsibility to share new knowledge openly and
17 freely has enormous power for good. The very survival
18 of our democratic society depends on an educated and
19 thoughtful population. Our system of higher education
20 has done a better job of providing this foundation of
21 knowledge and critical thinking than any other
22 throughout history, as my colleagues have already
23 mentioned. However, at Olin College, we have
24 undertaken to apply these same principles of free
25 inquiry and critical thinking to the very organization
26 and operation of the college itself in an attempt to

1 explore the potential for opportunities for
2 improvement.

3 While the traditions of higher education
4 have generally served us well, only through
5 questioning and experimentation are we likely to
6 determine whether further improvements are possible.
7 The scope of our efforts and our seriousness of this
8 undertaking are illustrated by our decision to form
9 multi-disciplinary faculty groups, rather than
10 discipline-based academic departments, and to use
11 renewable faculty contracts rather than traditional
12 tenure system to explore change.

13 We are, perhaps, the only undergraduate
14 college in America with a Vice President for
15 Innovation and Research to lead our efforts in
16 innovation assessment, and continuous improvement.
17 Innovation and continuous improvement require certain
18 cultural attitudes and commitments. First, an
19 implicit humility is required to embrace the notion
20 that improvement is always possible, and that we can
21 always learn from others outside of our community.
22 Listening to those outside of academia has not always
23 been the strong point in higher education.

24 In addition, continuous improvement is
25 only possible if continuous assessment is employed to
26 guide our process. We must be willing to expose

1 ourselves to review and measurement, and to take the
2 time to learn from our mistakes.

3 Finally, and perhaps most importantly,
4 continuous improvement requires openness to change.
5 At Olin, one of our five personal core values is
6 openness to change. We've already found consistently
7 that it's the most challenging of our values.

8 Another observation is that not having
9 departments improved the focus on education and
10 promoted real diversity of thought. One of the
11 founding precepts of Olin College is that it will not
12 organize the faculty into departments focused on
13 academic disciplines. Currently, all of our faculty
14 members meet together as one large group, and they
15 discuss issues and make decisions as a single body.
16 In addition, this large group usually also involves a
17 wider group, including the Dean of Student Life, the
18 Librarian, the Registrar, all the laboratory
19 technicians, and any additional adjunct or teaching
20 personnel and administrative staff in the academic
21 program. There is an effort to reduce barriers
22 between members of the community based on status or
23 rank, and to treat all members of the community as
24 colleagues. This is not the norm in higher education.

25 I'd like to talk for a minute about the
26 selection of the right people in this process.

1 Selecting the right people is central to changing the
2 outcomes. It's been noted that the American economy
3 is likely to be shifting towards a service economy
4 rather than strictly being focused on technology
5 itself. And, therefore, the development of soft
6 skills is becoming more important in the engineering
7 community. Better soft skills among graduates, we
8 believe, will likely be the result, an increased
9 result if it is given higher degree of emphasis during
10 the admission process, so looking for people with a
11 higher likelihood of having soft skills is an
12 important criterion.

13 As a result, we believe, just as industry
14 does, the best way to select students for this
15 capability is to meet them and to interview them, but
16 we haven't found anything in writing yet, any written
17 exam. Certainly, the SAT verbal score doesn't
18 correlate very well with this, any substitute for
19 actually meeting people and interview them, so we
20 invite all candidates for freshmen to attend a two-day
21 candidates weekend for an intensive set of interviews.

22 It's not about the SAT scores.

23 We do something similar in selecting our
24 faculty. Faculty selection process involves two
25 presentations, one of which is intended to identify
26 their ability to be inspirational in the classroom.

1 Often, they are assigned to teach a course in the
2 exact same discipline that they will be hired to teach
3 later, and judged by the students in that class who
4 are in process with another instructor, so the student
5 involvement in selecting inspirational teachers is
6 important.

7 In another presentation independent from
8 that, faculty members are asked to describe their
9 intellectual activities. Students are also used to
10 help evaluate faculty candidates because inspirational
11 teaching matters to undergraduates. It really does at
12 this level, and it is also difficult to mass produce
13 inspiration.

14 Let me end this. There are a number of
15 other observations that I could make if we had more
16 time. Learning occurs primarily because of the
17 culture, not because of the curriculum. Creativity is
18 essential to our next generation of engineers, and
19 it's not something that receives a great deal of
20 specific attention. Entrepreneurial thinking is
21 absolutely critical to producing technology
22 innovators. Being smart is not enough. The culture
23 of core values is quite important, character
24 development. Educational experiments are expensive.
25 We've been noticing that, but the most important
26 innovations are not.

1 I think a recent book by Richard Light,
2 that talks about making the most of college, has a
3 number of very important insights in there that are
4 quite transferable at low cost.

5 Finally, the mission of a research
6 university is usually to create new knowledge, to
7 preserve new knowledge, and to disseminate that. At
8 the undergraduate level, our focus is more on
9 teaching, which is critical if we are to improve the
10 effectiveness of undergraduate education across the
11 country, especially in science and engineering where
12 about half of all freshmen fail to graduate
13 nationally.

14 So I'll end this with a quote from William
15 Francis McDowell, addressing the many college
16 presidents who gathered in 1915 in Chicago to form
17 what was then called the Association of American
18 Colleges. He stated, "Your men and women who are
19 teaching are not fundamentally teachers of subjects.
20 They are fundamentally teachers of persons, and the
21 great passion of the teacher should not be the passion
22 of the language he teaches, or the literature that he
23 teaches, but the passion of the life that he is
24 shaping with that language and with that literature."

25 Thank you very much for the opportunity to
26 address you.

1 MR. DONOFRIO: So, President Miller, great
2 testimony. Olin is just an incredible college. I
3 disagree with you, it actually is a research
4 institute. Everything you're doing there is one big
5 research project, just by the sheer way you've put
6 everything together, and you're to be complimented for
7 that. My only fundamental concern or issue here is
8 actually the scalability of Olin College, and how can
9 you grow it given the wonderful model that you put
10 together. Could you give us a few comments on that,
11 please?

12 DR. MILLER: Sure. Obviously, not
13 everything that we're doing is scalable, but again, as
14 is true in the principles that are outlined in Richard
15 Light's book, a lot of the simple ideas are quite
16 scalable. Simply the engagement of students more in
17 the development of their own academic experience is a
18 principle which I think does not cost very much. It
19 does not cost a great deal to include students on
20 committees that have to do with curriculum. It does
21 not cost a great deal to include students on the
22 selection of faculty members. This idea of engagement
23 of students I think has a great deal of potential.

24 Project-based learning is another concept
25 which many of my colleagues here are already deeply
26 involved in. And I think having the courage to

1 increase that principle and increase the number of
2 opportunities that students have for project-based
3 learning, not just in the senior year, not just in the
4 end of the program, is also very important.

5 DR. NUNLEY: Congratulations. Who said
6 that there's nothing new in higher education, and it
7 must be wonderful to start with a blank slate, kind of
8 be able to create something. The question I have is,
9 how are you building programs to assess student
10 learning outcomes and their environment?

11 DR. MILLER: That's a very important
12 point. We do actually quite a lot to try to assess
13 what we're doing. This is outlined in the written
14 testimony in some depth. For example, every student
15 has to develop a portfolio of project-based activity.

16 This is a continuing thing from the time they are
17 freshmen until the end of their program. And at the
18 end of every semester after final examinations, every
19 student is required to give a public presentation of
20 some of their project work to the entire community.
21 This is something that we call the "Olin Expo", so at
22 our place it's about 300 public presentations over a
23 two-day period. We invite 50 corporate visitors who
24 are given some background and training to try to help
25 us assess competencies that are demonstrated in these
26 presentations.

1 Every January we have a retreat where all
2 of our faculty assemble for the sole purpose of
3 reviewing the curricula outcomes, and using outside
4 assessment data as a measure of how well we are doing.

5 Frankly, we're having some trouble finding
6 what we consider to be well-tested solid metrics from
7 outside the academic community in measuring things
8 like team work and communication abilities. We know
9 how to compare our own students with each other, but
10 we don't know what the standard should be, and we're
11 looking for help in that area.

12 DR. DUDERSTADT: I think a marvelous
13 presentation, and I would agree, one of the most
14 interesting research efforts in higher education
15 today. But just a caution - I had the experience last
16 year of chairing the accreditation visit for Uncle
17 Clark's Summer Camp, which is the other name they gave
18 the University of California - Santa Cruz, which was
19 built with enormous public support at another time
20 when Greenfield experiments really could be done, an
21 extremely innovative institution that now 50 years
22 later sees itself evolving into a full-fledged
23 research university campus with 25,000 students, just
24 like all the rest of our institutions, so hang on to
25 the innovation and uniqueness. Thank you very much.

26 DR. MILLER: Thank you.

1 DR. DUDERSTADT: The next speaker is
2 President Lawrence Bacow, President, Tufts University.

3 DR. BACOW: Thank you very much, Mr.
4 Chairman, and I appreciate the opportunity to
5 participate in this dialogue. I'll try and quickly
6 summarize my remarks. I think a number of the
7 comments have already been made by my colleagues. I'd
8 like to thank each of them.

9 Clearly, the United States is blessed, I
10 think, with a higher education system with
11 extraordinary diversity; 4,000 colleges and
12 universities that come in all shapes, and sizes, and
13 flavors, and we get a little bit of a sense of that
14 this morning from the description of the various
15 activities going on just in the Commonwealth of
16 Massachusetts.

17 Our institutions compete for students, we
18 compete for staff, we compete for faculty, we compete
19 for resources. Indeed, I would argue that the
20 competition in higher education is every bit as
21 intense as the competition that one would find in any
22 sector of the economy, and competition, as we all
23 know, produces innovation.

24 We've heard a lot from Bob Brown, from
25 others about how this is, in fact, the envy of the
26 rest of the world. And like others, I would just urge

1 the Commission not to do anything that would in any
2 way stifle this innovation, to resist the temptation
3 to make us all pass through the eye of the same
4 needle, which I think would only stifle some of the
5 creativity that exists in this sector.

6 Last month at the annual meeting of the
7 American Council on Education, I chaired a session for
8 University Presidents, College and University
9 Presidents, that was entitled "What Keeps Us Awake AT
10 Night". I notice that brings a smile to the two former
11 university presidents. And I found that I was not
12 alone in my worries about the cost of higher
13 education. This was the theme that everybody wanted
14 to talk about. They wanted to talk about cost, they
15 wanted to talk about access, especially among the
16 neediest in our society.

17 My own university, Tufts, is
18 breathtakingly expensive. Tuition, room and board,
19 and fees total just slightly in excess of \$42,000 for
20 this past academic year. Now at the same time, I
21 happen to think that a Tufts education is a wise
22 investment. I wouldn't be here if I didn't. We
23 provide substantial financial aid resources to those
24 who come to Tufts to study, and guarantee that if we
25 admit a student, we will meet the full financial need
26 so that they can attend Tufts regardless of the

1 ability of their families to pay.

2 The average financial aid award at Tufts
3 is in excess of \$25,000 per year, and we are also
4 committed to raising sufficient financial aid
5 resources so that we can make this offer to every
6 serious student who applies to Tufts. To become need-
7 blind in admissions will cost us, we estimate, at
8 least \$200 million in incremental endowment, but we
9 are committed to doing so.

10 Now I must confess to a personal bias
11 which affects my concern about access. Like many
12 others who have gone to college in the United States,
13 both of my parents were immigrants. In fact, they were
14 refugees. There are very, very few countries in the
15 world that provide the kind of opportunity that I and
16 many others have enjoyed, where people can literally
17 go in one generation from being fresh off the boat
18 with the shirts on their backs, to achieve at the
19 highest levels of our society. While there are many
20 factors that contribute to this in this country, the
21 kind of opportunity that we enjoy in this country, I
22 believe that higher education is a key component to
23 it.

24 Now I'd like to speak as an economist for
25 a few minutes on the issue of cost in higher
26 education. Usually, competition in most industries

1 tend to drive costs down, and companies compete to be
2 profitable, and usually the lowest cost provider has a
3 competitive edge. In higher education, in many
4 instances, competition, as has already been observed,
5 drives costs up. And, in fact, students and their
6 parents are looking for smaller class sizes. Nobody
7 pounds their table when they come to Tufts for the
8 college tour and says show me how many big classes you
9 have. They're looking for more student/faculty
10 contact, not less. They're interested in more hands-
11 on learning, learning, in fact, of the kind that's
12 going on at Olin and at other institutions, as well.

13 They are not interested in classes that
14 have 300 students sitting in a lecture hall being
15 lectured by one faculty member. They want more
16 interaction between faculty advisors and students, and
17 the pressure for smaller class sizes and more personal
18 contact from an economic standpoint actually reduces
19 faculty productivity. It does not increase it.
20 Remember, productivity is output per hours worked, and
21 we know that that actually -- the pressure in our
22 business is to reduce it, not to increase it. Not to
23 say that there aren't other ways that we can't make
24 faculty more productive, but at least in terms of the
25 educational product, it's going in the opposite
26 direction.

1 Now I don't think that smaller class size
2 or more student/faculty contact is bad. I think these
3 produce an educational output which is, in fact, quite
4 terrific and which we can be proud of. But it also is
5 one that's very, very expensive.

6 I also note that many of the costs which
7 we are all grappling with are completely beyond our
8 control. The Tufts budget, 65 percent of our budget
9 is related to personnel costs, directly or indirectly.

10 As has already been described by Bob Brown and
11 others, what we deal with is trying to hire people in
12 a very expensive place to live. Moreover, we are
13 trying to hire people whom we compete with for
14 industry, as well. And what we find is that salaries
15 and costs for this sector is increasing faster than
16 the Consumer Price Index as a whole.

17 We're also subject to all the other things
18 that industry deals with, rising energy costs,
19 healthcare costs. Rising energy costs at Tufts this
20 year alone will constitute an increase to the budget
21 of \$5.1 million. Another way to look at it is the
22 distributable income on \$100 million of endowment.
23 And I also want to note that there's been tremendous
24 cost shifting at research universities from the
25 federal government back to our institutions through,
26 as Bob Brown already described, under-recovery of

1 indirect costs.

2 When we say to institutions like our's
3 that the federal government will no longer pick up its
4 share of certain capital costs, those costs don't go
5 away. The only place, in effect, to support those
6 costs is through the educational budget, another
7 driver in tuition.

8 In the 2005 academic year, we at Tufts
9 awarded \$35 million in need-based undergraduate
10 grants. These are just strictly grants and aid funded
11 by the institution. Our total financial aid budget,
12 including student loans and others funded by Tufts is
13 \$63 million. If you take a look at the net cost of
14 attending Tufts for families, net of financial aid,
15 which, by the way, we have been growing at double
16 digit rates. The fastest growing component of our
17 budget is our financial aid budget. The net cost to
18 families receiving financial aid has basically kept
19 pace with inflation. If you take a look at the return
20 to that, as measured by expected income streams, it's
21 out-paced that quite dramatically.

22 Why do we all see increased numbers of
23 students trying to attend our colleges? It's a good
24 value. We talk a lot about the cost of higher
25 education, we spend less time talking about the value
26 as measured in the marketplace by the future earnings

1 of our graduates.

2 Now what I think is unfortunate, however,
3 is the growing number of institutions that are
4 devoting scarce financial aid resources not to
5 students who need it the most, but rather to those who
6 would attend college under any circumstances. I am
7 speaking of merit aid, financial aid that's awarded to
8 students simply because they're either at the top of
9 their high school class, or because they've scored
10 well on various standardized tests. These students
11 are going to go to college, usually very good
12 colleges, regardless of whether merit aid is provided.

13 And it's far from clear to me how society as a whole
14 is better off if we expend scarce financial aid
15 resources merely to redistribute the brightest kids
16 among our institutions. That is doing nothing to
17 improve access, so the College Board Reports on Trends
18 In Student Aid 2005 signals what I think are some very
19 troubling shifts in student financial aid, where
20 merit-based awards at both public and private
21 institutions are growing, and merit aid is likely
22 being used within segments of the private sector to
23 influence enrollment patterns for families that really
24 fall into the highest income quartile. And I think,
25 candidly, this is a scandal, and it's something which
26 we ought to think about.

1 I encourage the Commission to refocus
2 attention on our students whose need is greatest, and
3 to help ensure that their access to higher education
4 and their opportunity to achieve their potential is
5 expanded in what I think has really been the great
6 tradition of higher education in this country. And I
7 would encourage the Commission to consider
8 recommending to the Congress that we do some
9 experiments to take a look at how differential
10 financial aid policies might influence access.

11 Susan Hockfield when she was here noted
12 that MIT will double Pell Grants, will match Pell
13 Grants. Maybe Congress or the Department of Education
14 should experiment by picking a group of students in a
15 few states and saying that we're going to have
16 different levels of Pell Grants, double, maybe even
17 triple, and see the impact that that might make on
18 access of certain student populations to acquire
19 education.

20 The third point that I would like to make
21 has to do with the role of higher education in
22 preparing our students for society. Now the
23 Commission has been, I think, appropriately concerned
24 with how colleges and universities are educating
25 students for a 21st Century education, 21st Century
26 workforce, and you have focused a lot of time and

1 attention on how we're preparing the next generation
2 of scientists and engineers, as well as the role of
3 research institutions like Tufts in generating new
4 knowledge for the benefit of society.

5 However, I would like to suggest that this
6 tells only a small part of the story. We have a much,
7 much broader role to play as institutions than merely
8 preparing our students to be part of the nation's
9 workforce going forward. Historically, our role is
10 that we have prepared students to play important roles
11 in our society, as active citizens in a democracy, in
12 helping students to develop the critical reasoning
13 skills that allow them to participate effectively in
14 public debates about the great policy issues of our
15 time.

16 I think like many others, I am deeply
17 concerned about the quality of public discourse on
18 important policy issues. Now some of these are
19 clearly grounded in science and technology, and we
20 want to make sure our students are well-educated to
21 participate in discussions about issues like climate
22 change, for example. But it's equally important that
23 they be well-educated, critical participants in
24 discussions about things like the future of the Social
25 Security system, or universal access to healthcare,
26 whether or not this nation should adopt policies which

1 encourage more immigration or less immigration. These
2 are important policy questions, which, candidly, are
3 not going to be influenced by how well we teach
4 science and math in colleges or high school, but
5 rather by how we develop broadly critical reasoning
6 skills, how we develop communication skills, how well
7 we teach our students to read and to write. It is
8 more than just helping to ensure that the next
9 generation of scientists, mathematicians, and
10 engineers are well prepared. Clearly, we need to do
11 that, but we need to do far more than that, as well.

12 I think our institutions should be
13 motivating our students to become active, engaged,
14 effective students in the communities that they are
15 going to inhabit. I think this is the role of the
16 liberal education, not just to convey knowledge, but
17 to convey values, and also to encourage our students
18 to get involved and not just sit on the sidelines.
19 And when I'm speaking of communities, I'm not just
20 talking about neighborhoods. I'm talking about our
21 professional communities, I'm talking about our
22 religious communities, I'm talking about our social
23 communities. Indeed, the entire social fabric which
24 makes a society possible.

25 This nation at this point in time is
26 investing a tremendous amount in order to make

1 democracy work abroad, indeed throughout the world. I
2 think it's equally important that as you think about
3 higher education, as you try to understand the
4 contribution that our many institutions make to
5 society, that you also focus on the role that we have
6 to contribute to making democracy work at home.

7 I appreciate the opportunity to share
8 these thoughts with you, and I want to wish you well
9 in your deliberations. Thank you very much.

10 DR. DUDERSTADT: Great. Thank you. Rich.

11 DR. VEDDER: Great testimony. Of course,
12 I'm a fellow economist so I think like you do, which
13 may be bad for both of us.

14 DR. BACOW: We've both managed to overcome
15 that handicap.

16 DR. VEDDER: Yes. We're both worse off
17 for it. I was struck by the statement, which I think
18 is absolutely correct - that the pressures are great
19 in higher education to actually lower productivity,
20 and I'm wondering if you have any thoughts, can we
21 change the rules of the game, how higher education is
22 done, so that we more, I guess, closely emulate the
23 private sector, which has a tendency to have
24 productivity rise over time. Is there anything we can
25 do about it?

26 DR. BACOW: Sure there is, and we're doing

1 it. First of all, remember, this is not one size fits
2 all. I've described things from the perspective of a
3 small, private, elite research university, which is
4 relatively well off. And what we see is a great
5 diversity of teaching, a great diversity of strategies
6 that's being adopted in many places, so I don't mean
7 to suggest that what we're doing is the only way to do
8 it, but these are the pressures that we are feeling.

9 At Tufts, one of the things which we've
10 done is very systematically we have taken a look at
11 how faculty members spend their time. Faculty time is
12 the scarcest resource in any university, and we have
13 taken a look at how they spend their time outside of
14 teaching and research, and we've tried to be creative
15 in the way in which we use technology to reduce the
16 demands upon their time for the way in which they
17 enroll students, the way in which they advise
18 students. And I could provide the Commission with
19 examples, as I'm sure many of my colleagues could who
20 are here about things that have been effective in that
21 dimension.

22 DR. VEDDER: One follow-up. I was struck
23 with what you said at the end, and I'm glad someone
24 here - we have all the science and engineering techies
25 here, starting with our chair and this whole panel,
26 practically, except for Charlene and myself. And I'm

1 all for enhanced science education and so forth, but
2 no one has said a word hardly at all in all our
3 hearings about the humanities and so forth, and I'm
4 glad to see you at least putting in lip service. I'm
5 troubled --

6 DR. BACOW: Lip service?

7 DR. VEDDER: I am troubled by the decline
8 that the Department of Education recently released a
9 survey showing a sharp decline in literacy among
10 college graduates, the Adult Literacy Survey. Do you
11 think that there has been -- is there serious problems
12 with what we're teaching the students in college? Are
13 we actually getting worse college graduates than we
14 used to? I mean, that's what the data suggested.

15 DR. BACOW: I don't think so. And again,
16 my perspective, though, is shaped from where I sit and
17 what I see at Tufts. I also have to add that this
18 passionate appeal that I've provided for a liberal
19 education comes from somebody who was an MIT
20 undergraduate, so it speaks to the value of a
21 technical education broadly defined.

22 I don't see that. It may be an issue
23 elsewhere. The students that I've been privileged to
24 teach, and I spent 24 years prior to coming to Tufts
25 five years ago, at MIT. The students only seem to be
26 getting better. That was true in my prior life, it's

1 certainly true now. They have a broader set of
2 interests, they are much more citizens of the world
3 than certainly we were when we went to college, and
4 they seem to want to soak everything up, so I have not
5 seen that personally.

6 DR. DUDERSTADT: Let me raise another
7 question with respect to cost for a minute. One of
8 the unusual things about American higher education is
9 the degree we assign the responsibility to our
10 colleges and universities to socialize young people, a
11 role that in most of the rest of the world is done in
12 secondary schools. As Lord Rugby used to say, the
13 British public school transformed savages into
14 gentlemen. I worry that our socialization transforms
15 students into savages, at least at this time of year
16 with the final four, of course. That's a very costly
17 enterprise. And while the assessment of learning that
18 comes out of the curriculum and so forth is something
19 that we're adept at, do you have a sense as an
20 economist on some of the worries about cost, of how we
21 begin to measure the massive investment we make in the
22 socialization of young people from residence halls, to
23 intercollegiate athletics, to all of the other things
24 that we populate on these campuses?

25 DR. BACOW: Well, the biggest
26 socialization I think that occurs on any college

1 campuses occurs through the admissions office, which
2 seeks diversity in multiple dimensions. And that's
3 another thing that nobody really has talked to here,
4 but in fact, I think one of the great accomplishments
5 of higher education is if you were to look at our
6 campuses, you see students that represent vastly
7 different experiences coming to all study in a
8 residential experience. And what we have represented
9 today is largely a residential experience, with the
10 exception really of UMass-Boston. And what we do is
11 that we take these students and we confine them under
12 temperature and pressure for four years, and we get
13 very interesting catalytic reactions. And I think
14 that is where much of the socialization occurs that is
15 profoundly healthy, and there's a tremendous amount of
16 learning that occurs outside the classroom. And I
17 think partly what we see - you know, we certainly see
18 other pressures which, candidly, we've tried to resist
19 at Tufts. You won't find climbing walls at Tufts.
20 You won't find athletic facilities that look like the
21 best health clubs. And I tell the kids that's not why
22 you should come here. If that's what you're looking
23 for, go someplace else. It's not about the buildings,
24 it's about what goes on inside of them. But the
25 pressures are very real, and unfortunately, what's
26 happened is that we've seen an increase in a

1 consumerist approach to higher education, where this
2 is, in fact, how people are evaluating the
3 institutions. And we can talk about some of the other
4 pressures, some of which have come from, in some
5 cases, regulation, but in other cases concerns over
6 liability. If you take a look at how much all of us
7 are spending on mental health services these days to
8 student life professionals relative to 20 or 30 years
9 ago, as you know, it's astonishing.

10 DR. VEST: Larry, you mentioned something
11 close to my heart, of course, which is the issue of
12 need-based financial aid, and merit financial aid.
13 Actually, I think the largest numbers in which the
14 federal government is involved that influence all this
15 are in the form of tax breaks.

16 DR. BACOW: Absolutely.

17 DR. VEST: And I wonder if you could
18 comment on how you would view or advise the federal
19 government in that regard.

20 DR. BACOW: Well, in fact, in my written
21 testimony I've addressed that a bit, and most of the
22 federal financial aid that's distributed through the
23 tax system is regressive. It benefits the wealthiest
24 in our society, and I think it's problematic. Again,
25 I think that we should be focusing our attention on
26 providing access to the neediest in our society.

1 I spent a year on a sabbatical living in
2 Europe, and I was struck - I tell our students, the
3 reason to live in another country is that you
4 understand your own much better when you do so. And
5 we accept social mobility in this country. Of course,
6 it exists. It's the American Dream, and that is not
7 the case in much of the rest of the world. And it
8 exists, in part, here because we provide opportunities
9 for kids to get a great education, which they can get
10 at a variety of different kinds of institutions, and
11 then we provide them with economic opportunity based
12 upon that once they graduate. And I think getting
13 people into that system is important.

14 There was a question that came earlier
15 about graduation rates. As an economist, I want to
16 note that the mere fact that somebody does not
17 graduate does not mean that there hasn't been value
18 conveyed from having attended college even for one
19 year. And, in fact, if you take a look at the data,
20 you see that there are actually very substantial
21 returns to one-year of college, two-years of college,
22 even for people who don't graduate, so obviously, we'd
23 like to see high graduation rates, but don't assume
24 that there's not value to people who just spend a year
25 or two in our institutions.

26 DR. DUDERSTADT: Thank you very much.

1 DR. BACOW: Thank you.

2 DR. DUDERSTADT: The next speaker is
3 President Mary Fifield, President of Bunker Hill
4 Community College. Welcome.

5 DR. FIFIELD: Thank you. I've had the
6 privilege of being President of Bunker Hill Community
7 College here in Boston for just about 10 years now.
8 And, in fact, have been honored to have served at
9 three other community colleges before Bunker Hill, so
10 I bring you remarks this morning based upon those
11 experiences, and also speaking on behalf of the
12 American Association of Community Colleges.

13 I'm reminded, as I reflect on my
14 experiences and my association with the American
15 Association of Community Colleges that, in fact,
16 community colleges, unlike other sectors of higher
17 education, are uniquely American institutions. From
18 their start as junior colleges in the early 1900s,
19 these two-year institutions signaled a very dramatic
20 change that expanded educational opportunity from the
21 affluent to the poorest, and the most disadvantaged
22 among us. With the basic philosophy that everyone
23 deserves the chance to go to college immediately
24 following World War II, two-year colleges proliferated
25 and made real another commission, The Truman
26 Commission's concept of a community college that's

1 geographically accessible to everyone.

2 Today there are more than 1,150 community
3 colleges across this great country. They enroll
4 almost half of all students who go to college. We
5 train students for high demand jobs. We educate for
6 transfer to baccalaureate degree institutions. We
7 help the under-prepared get ready for college level
8 work. We teach English as a second language and basic
9 literacy skills. We introduce international students
10 to the American system of higher education. We
11 provide valuable community service offerings to
12 support business and civic interests, and we forge
13 multiple partnerships with K-12 schools. In short, we
14 aspire to, and in many cases I think we meet the total
15 post-secondary needs of our population, just as the
16 Truman Commission long ago envisioned.

17 Our institutions attract a greater
18 diversity of students than any other sector of higher
19 education. Consider that in community colleges, about
20 two-thirds of all students are part-time, compared to
21 about a quarter of students in baccalaureate degree
22 granting institutions. Fifty-four percent of our
23 students work full time, 34 percent have dependents,
24 16 percent are single parents, and 23 percent spend
25 six to twenty hours a week commuting to their college
26 classes. More than 45 percent of community college

1 enrollees are first generation college students, and
2 almost 44 percent of community college students are 25
3 years or older.

4 As Kay McClenney observes in an essay that
5 she titled *Keeping America's Promise: Challenges for*
6 *Community Colleges*, and I quote her. "Going to
7 college isn't what it used to be; that is, an 18-year
8 old leaving home to live on or near a campus,
9 attending classes full-time, and typically earning the
10 degree four years later at the same institution where
11 she or he started. In fact, the term 'traditional'
12 and 'non-traditional' students has undergone a role of
13 reversal of sorts. For a good part of mainstream
14 America, a non-traditional student is now the norm. "
15 So it's within this context of a changed definition of
16 college student that I present the following issues
17 and the recommendations as they pertain to
18 affordability, access, accountability, and quality of
19 our nation's higher education system. And
20 particularly, as these issues affect the more than 12
21 million students who attend community colleges
22 annually. I'll begin with affordability.

23 According to the Education Commission of
24 the States, more than 12 percent of the population
25 lives below the poverty line, nearly 34 million
26 people. These and other low-income people have a

1 little more than a 20 percent chance of going to
2 college. For African-Americans and Latinos, the
3 percentage is even lower. For low-income students,
4 the availability of financial aid becomes a deciding
5 factor affecting college attendance. Yet
6 increasingly, both static amounts of aid, such as the
7 four-year freeze of Pell Grants, and the policies
8 governing eligibility of grants, such as the new
9 Academic Competitiveness Grant, serve as disincentives
10 to low-income students.

11 Further, federal programs designed to
12 provide pathways from high school to college,
13 especially important to populations unaccustomed to
14 considering college as an option, are under-funded or
15 slated for elimination. As evidenced by the fiscal
16 year 2007 budget, that deletes programs, such as GEAR
17 UP, Upward Bound, and Talent Search. What then are
18 some recommendations for you?

19 Essentially, there are four that I'm
20 presenting now. The first is obvious; break the four-
21 year freeze on the funding for Pell Grants; create
22 Pell Grant eligibility for stand-alone English as a
23 second language programs; revise policies governing
24 Pell Grants so that the grants for college are
25 committed to students while they're still in middle
26 and in high school, rather than wait until they go to

1 college; establish a sustained commitment to fund pre-
2 college enrichment programs, such as GEAR UP, Upward
3 Bound, and Talent Search; provide incentives for dual
4 enrollment programs to give high school students who
5 don't have a vision of college early familiarity with
6 the college environment; and finally, expand
7 eligibility for the Academic Competitiveness Grant
8 from exclusively full-time enrollment to include the
9 two-thirds of community college students who are part-
10 time.

11 My second issue as it pertains to
12 affordability addresses need-based grants and merit-
13 based aid. Increasingly, federal grant opportunities
14 for students are shifting from need-based to more
15 exclusionary merit-based aid, and while need-based aid
16 such as Pell decreases in real value, the new academic
17 competitive grants, for example, require recipients to
18 complete, and I quote "a rigorous high school
19 program". Many low-income students frankly simply
20 don't have the option of selecting their high school,
21 and could be ineligible for this aid through no fault
22 of their own.

23 Similarly, the proposed Pace Act provides
24 four-year competitive scholarships to students who
25 obtain Bachelors Degrees in the sciences, engineering,
26 or mathematics, and concurrent certification as K-12

1 mathematics or science teachers. These merit-based
2 funds are to be awarded, and again I quote, "on the
3 basis of national examinations". In short, merit-
4 based financial aid programs appear to help students
5 who need financial assistance least.

6 There must be a federal policy that makes
7 need-based grants the primary aid for low-income
8 students, and need-based grant opportunities must be
9 expanded.

10 Accessibility. Federal adult basic
11 education programs at this point don't reflect the
12 large scale of community college involvement in this
13 area. Community colleges offer literacy training, as
14 well as English as a second language course as
15 prerequisites to enrollment in workforce education
16 certificate and degree programs. Similarly, these
17 courses are provided to employers on-site.

18 Our recommendation is that adult basic
19 education should be explicitly linked to the workforce
20 training mission of community colleges. Federal
21 grants with a required match should be considered to
22 motivate greater state and private investment in adult
23 basic education and literacy training.

24 Another issue of accessibility involves
25 our undocumented immigrant students, and their ability
26 to obtain an education. Passage of the federal

1 legislation to assist undocumented immigrant students
2 continues to face obstacles. Immigrants today account
3 for one of every 20 employees in the workforce.
4 Generally, they occupy jobs in service and blue collar
5 occupations. Lacking a college education, they're
6 disproportionately located in these low-skilled and
7 low-paying jobs. Many prospective college students
8 who are immigrants have spent most of their lives in
9 this country. They've been educated in our public
10 schools. Prohibiting their access to public higher
11 education results in a waste of talent, and
12 exacerbates the already alarming shortage of skilled
13 workers in our nation. And again, our recommendation
14 is probably obvious; put post-secondary education
15 within reach of undocumented immigrant students who
16 have grown up and gone to high school in the United
17 States by passing the Dream Act. Federal and state
18 financial aid should be made available to most
19 categories of undocumented immigrant students. We
20 believe it's in the national interest to do this.

21 On the issue of accountability, two
22 issues, and two recommendations. And the first one
23 has to do with the new information collection data
24 system. And I know that there's an effort to obtain
25 more information about institutional activities,
26 including graduation rates, and I know that there is a

1 new information collection system being explored, in
2 which data would be submitted by institutions on a
3 student-by-student basis. Students Social Security
4 numbers or other identifiers would be used to match
5 data files. The new system would include data on
6 tuition and fees paid, as well as individual loans and
7 grants.

8 We believe this proposal has serious
9 implications for student privacy, and should be
10 examined with skepticism. Use of individual Social
11 Security numbers or other identifiers by colleges is
12 dangerous, due to the possibility of identity theft or
13 other release of the data. Finally, we're really not
14 convinced of the argument for collecting individual
15 data, rather than aggregated institutional data, as is
16 currently the practice.

17 Another issue as it relates to
18 accountability has to do with IPEDS, the Integrated
19 Post Secondary Education Data System. Since 1997, the
20 standard measure of success for community colleges
21 used by IPEDS is based upon the number of first-time
22 full-time students who complete a degree within three
23 years. This, in fact, was the subject of a front-page
24 news story on *The Globe* just a little over a month
25 ago. Since the majority of college students in
26 community colleges are part-time, these data capture

1 only a fraction of our students. They're further
2 skewed by the fact that a significant number of first-
3 time full-time community college students transfer
4 before graduation or cut back to part-time status due
5 to family and job responsibilities. In both cases,
6 these students are counted as failures, and they
7 contribute to what's referred to as a lower completion
8 rate for community colleges.

9 Our recommendation is that there needs to
10 be recognition, that community colleges are open-door
11 institutions, enrolling a majority of part-time
12 students with many differing goals that may or may not
13 include degree completion.

14 Further, community college students differ
15 in their degree or academic preparation, and
16 frequently need developmental education that prolongs
17 their time to degree completion. In addition, many
18 are low-income students with both family and job
19 responsibilities that disrupt the continuity of their
20 education.

21 Public policy, then, for measuring student
22 success should incorporate multiple indicators, and
23 include learning outcomes, licensure, exam pass rates,
24 individual student goal attainment, transfer rates,
25 employment success, and results of surveys such as the
26 Community College Survey of Student Engagement.

1 And finally, on the issue of quality, the
2 Science and Engineering Indicators 2006 Report
3 underscores the need to improve and expand science and
4 mathematics education from K-12 levels. This is both
5 an issue of world competitiveness and emerging
6 workforce requirements pertaining to science,
7 mathematics, engineering and technology, or what we've
8 come to know as STEM.

9 Community colleges' roles include course
10 work for preparation of K-12 science and mathematics
11 teachers, as well as two-year degrees and certificates
12 in these areas. Because more students are enrolled in
13 community colleges than any other segment of higher
14 education, it's imperative that community colleges be
15 included in STEM initiatives. Our recommendation,
16 then, is to expand programs, such as Tech Prep, that
17 introduce and interest high school students in STEM
18 fields, and link these programs explicitly to
19 community college programs of study, provide federal
20 incentives for the development of STEM programs at
21 community colleges, as well as professional
22 development opportunities in STEM fields for our
23 faculty.

24 The American Association of Community
25 Colleges and American Association for State Colleges
26 and Universities characterize community college

1 students, and I quote, as "the most vulnerable members
2 of our society who already face significant financial
3 and social challenges, low-income, limited
4 expectations, and uneven preparation, yet this is the
5 real majority. This is the future of our country.
6 This is the workforce of America who will make the
7 difference between a prosperous economy and one that
8 falters."

9 In a report issued by the Education
10 Commission of the States, Center for Community College
11 Policy titled "Closing the College Participation Gap:
12 A National Summary", author Sandra Ruppert offers what
13 might well be the ultimate measure of accountability
14 for Federal Public Policy in higher education.

15 We agree with Dr. Ruppert when she says,
16 and I quote: "Ultimately, the goal to build a nation
17 of learners will be measured in terms of how well the
18 nation is able to educate those most difficult to
19 reach. These are our community college students."

20 I appreciate the opportunity to address
21 you today, and I'd be glad to answer any questions.

22 DR. DUDERSTADT: Thank you very much.
23 Charlene.

24 DR. NUNLEY: Mary, very fine testimony. I
25 think we met when you were at Harrisburg area
26 community college some time ago. I have two

1 questions. You mentioned the issue of remediation,
2 which is something that all of us in the community
3 college sector deal with, and particularly as we need
4 to broaden the participation rates in higher
5 education, I think that's an issue that isn't going to
6 get any less challenging.

7 Do you have anything you think the
8 Commission should recommend to try to address the
9 issue of preparation coming into community colleges?

10 DR. FIFIELD: Well, I think the issue of
11 preparation and developmental education starts long
12 before one enters a community college. And I think
13 that programs that assist middle and high school
14 students to become more familiar with the collegiate
15 environment go a long ways towards helping younger
16 students become accustomed to what they might
17 experience in college, and also aspire to it.

18 I think at the same time we need to
19 recognize that an integral function of our country's
20 community colleges is not just developmental or
21 remedial education, but basic literacy. There is a
22 strong proportion of our population that is really in
23 desperate need of adult basic education, and federal
24 policy could go a long way in providing additional
25 funding to community colleges to support that.

26 DR. NUNLEY: And then the second question

1 I guess deals with two of your recommendations that I
2 see as, perhaps, in a bit of a conflict. You talk
3 about under accountability how it's very difficult to
4 evaluate the performance of community colleges because
5 it's based on graduation within three years, and that
6 our students transfer out early, they shift from full-
7 time to part-time, they come in and out of the
8 environment. Wouldn't a system that followed students
9 based on a unit records basis give us more capability
10 to gain an understanding of that aspect of the
11 community college student attendance pattern?

12 DR. FIFIELD: That may be the case. We
13 feel that the risks of that kind of system outweigh
14 its merits. We think, for example, that because of
15 our multiple populations in community colleges, that
16 there are also multiple ways that we can measure
17 student success. We can, for example, in my
18 institution, we have a college-wide initiative right
19 now that not only establishes learning outcomes by
20 course, but by academic program, against which
21 students are measured. And that's put in place
22 regardless of the student's aspirations.

23 Certainly, in our healthcare fields, we
24 have licensure exams that students must pass. And
25 certainly, a measure for us is the extent to which our
26 students are successful in obtaining employment or in

1 transferring. We're concerned about the unit data
2 method specifically because it provides information on
3 individual students, individual people. And frankly,
4 there's some skepticism as to where that information
5 may ultimately go, through a benign effort, not
6 necessarily anything that's deliberate or calculated.

7 DR. VEST: I would like to take what
8 you've just said about the unit records as a challenge
9 in the following sense. I honestly believe that
10 virtually all we understand about what the role of
11 Affirmative Action has been in higher education, how
12 it has influenced larger society, and what the role of
13 athletics has been, all these things we know. We know
14 only because we've had the ability to track individual
15 students.

16 What the Commission has tried to do, and
17 one of the challengees over here is Nick Donofrio, we
18 are absolutely convinced that there's good technology
19 out there that can provide the privacy guarantees.
20 And I just want to point out that two of our industry
21 members have agreed to take on the challenge of
22 demonstrating that to us.

23 MR. DONOFRIO: Every chance he gets in
24 public, he recommitts me. Well, we agree it is so
25 important, and I suspect you'll hear more from us
26 about unit record. And we think there are better ways

1 to both secure it, as well as make it more private.
2 We understand what the issues are, and we understand
3 what the consequences are of failure, but I think you
4 also would understand that for us to make real
5 progress, true progress - I mean, it's always
6 difficult when we start these debates and discussions
7 over what's the real data.

8 DR. FIFIELD: I would hope that if this
9 direction is pursued, that every measure is taken to
10 safeguard individual privacy rights, and that there is
11 an aggressive stance taken against the release of that
12 individual data to any party that may not need it for
13 educational purposes.

14 DR. DUDERSTADT: Yes. Go ahead.

15 DR. VEST: I am always struck by your
16 phrase "limited expectations". That is so much at the
17 heart of everything that we have to worry about, and I
18 realize that in response to Charlene, you explained
19 some of your thoughts on this. Anything you can do to
20 help us understand how to raise that level of
21 expectation in view of opportunities on the horizons
22 out there for these incredible young people that are
23 served quite non-linearly or out of proportion by
24 community colleges would be welcomed.

25 DR. FIFIELD: We have a number of programs
26 at Bunker Hill Community College that enable students

1 from the Boston public schools to come as cohorts to
2 our institution. They sit-in on a class. They go
3 well beyond just taking a tour of our facility. We
4 have a program right now that I'll briefly describe,
5 that's funded by the Mayor's office that addresses
6 race-based health disparities, and essentially we've
7 identified ten students at each of five Boston public
8 schools for a total of 50 that have as their career
9 aspiration the field of nursing. And we're involving
10 them in a very intensive program. They're paired with
11 one of our nursing students as peer mentors. They're
12 also paired with a nurse in an area hospital as a
13 professional mentor. And they're guaranteed entry
14 into our nursing class if they complete this
15 particular program, which is a semester in length.
16 That's no small thing, because our waiting list for
17 our nursing program right now is upwards of 400.

18 DR. DUDERSTADT: Thank you very much.
19 That's very good. We'll invite our next two speakers
20 up together, Steven Reno, Chancellor of the University
21 System of New Hampshire, and Valerie Lewis, who is
22 Commissioner of the Connecticut Board of Governors for
23 Higher Education. Is Valerie Lewis here?

24 DR. RENO: She is coming.

25 DR. DUDERSTADT: Oh, she's here. Okay.
26 Great. Then I'll let you get started.

1 DR. RENO: Thank you very much. Mr.
2 Chairman, members of the Commission, good morning. In
3 the interest of full disclosure, a couple of
4 introductory remarks. First of all, I am not an
5 economist, nor an engineer. Indeed, I was once a
6 Professor of Comparative Religion, so we'll see what
7 light that throws on my comments this morning.

8 The other is to say that in the days when
9 I was a campus president, I had a habit, and that was
10 every time I went out to meet a major donor, or I was
11 to appear before the State Legislature to give
12 testimony, I spent the last hour on my campus talking
13 with students. And I did that so that when I sat in
14 this chair looking at the donor or the legislative
15 committee, I would have those students clearly in my
16 mind, and their interests in my words. I wasn't able
17 to do that last night, so I brought a picture, and I'm
18 going to explain this picture in just a few moments.

19 I thank you very much, we thank you very
20 much for this opportunity. Our hope in addressing you
21 this morning is that we find common ground and affirm
22 a common purpose. Access, affordability,
23 accountability, and quality, these issues not only
24 characterize this and the other public hearings that
25 you are holding across the country. They are also the
26 oft expressed concerns of policymakers, business

1 leaders, the media, parents and students of all ages.

2 If this is to be a candid and ultimately
3 useful national dialogue, let's begin by acknowledging
4 that many today are asking whether our institutions of
5 higher education are more interested in their own
6 preservation and prerogatives than with the admission,
7 support, and successful graduation of students. Fair
8 or not, such perceptions are increasingly setting the
9 tone, and shaping the current national debate.

10 We come before you today as
11 representatives of the Six New England State Higher
12 Education Executive Officers, SHEEOs, and we come to
13 suggest that our states, indeed all states, need to
14 speak directly to these concerns. We believe that an
15 increase in the number of citizens graduating well
16 prepared from our nation's colleges and universities
17 is both a moral and an economic imperative. The
18 evidence of this need is compelling and deeply
19 troubling. You know it, we know it, and we all cite
20 that evidence.

21 Commissioner Lewis and I would report to
22 you this morning the recent commitment of our Six New
23 England States to work as one to meet the urgent
24 demand for more and better prepared graduates, but let
25 us illustrate why we know this must be our focus as a
26 Six-State region. Indeed, this is the face of our

1 work.

2 In the picture to my left, the proverbial
3 picture worth a thousand words, you see hundreds of
4 faces representing the youth population of our New
5 England States. Our cohort is not growing like that
6 of a California or a Florida, but is increasingly and
7 stunningly becoming more diverse ethnically,
8 culturally, and economically.

9 Consider this set of facts. Of every 100
10 first-year high school students in New England, only
11 75 currently make it to graduation, and possess a
12 diploma that in today's marketplace is worth less than
13 it was even a decade ago. Consider further that of
14 these 75 high school graduates, only 44 immediately
15 enter college, and this despite the fact that we in
16 New England has an especially high density of
17 colleges, as well as a long tradition and appreciation
18 of higher education.

19 Of these 44 entering college students,
20 however, only 34 will be enrolled in their sophomore
21 year. And finally, please look carefully at the
22 representative 25 faces of those who will actually
23 earn a college degree.

24 While we may congratulate those who are
25 graduated, we must be shamed by the talent that has
26 fallen by the wayside. The other 75, many of whom

1 have missed the chance to acquire the habits or heart
2 and habits of mind to secure a productive and
3 satisfying future. It is for all those faces that we
4 have peeled off of this picture that we commit
5 publicly to the steps that we are taking as a region.

6 Working within the New England Board of
7 Higher Education, we unveiled last month College Ready
8 New England, an unprecedented region-wide alliance
9 that has a P-16 vision to increase the number of high
10 school graduates and GED completers, who aspire to,
11 and are ready for college, and to increase the
12 percentage of those who enroll in and graduate from
13 our colleges and universities.

14 This project has just begun, but it has
15 the full support of all six of our governors, and in
16 many ways parallels the purpose of your Commission.
17 We are developing shared data sources and measurements
18 to assess our progress across an agenda that includes
19 the following; securing from each of our governing
20 boards a public commitment that its priority is
21 affordable access to higher education, especially for
22 low to middle income students of all ages. Second,
23 partnering with K-12 in success tested programs, such
24 as Middle School Mentoring, and Dual Admission for
25 high school seniors. Third, reallocating resources to
26 increase funding need-based institutional financial

1 aid as a supplement to, but not a substitute for,
2 federal financial aid. Next, developing incentives
3 that challenge our institutions to improve retention
4 and graduation rates, and encourage students to
5 graduate within shorter time periods. Next, sharing
6 those best practices across our six-state region that
7 assess student learning en route to graduation,
8 student performance at graduation, and alumni and
9 employer satisfaction out after graduation. We need
10 to know, not just assume, that our graduates leave
11 with the knowledge and skills critical for success in
12 today's global economy and society.

13 Rewarding innovative and successful
14 institutional efforts to improve productivity by
15 reducing the cost of instruction, while maintaining
16 quality, including single point of contact for program
17 and financial information, online and hybrid
18 instruction, and flexible scheduling. And lastly,
19 providing for ease of transfer from two-year to four-
20 year institutions, including the development of block
21 transfer articulation agreements, dual admission, and
22 timely and effective advising across the sectors.
23 That is what we have committed to do.

24 What best practices we identify and then
25 try to expand across our region will be worked out in
26 the coming months. What is noteworthy is our resolve,

1 once again, to work together as a region. Fifty years
2 ago, these six states formed a compact establishing
3 the Regional Student Program. And by so doing,
4 recognized the impact of collaboration to expand
5 access. Today, through the College Ready New England
6 program, we again agree to address access,
7 affordability, quality, and accountability as a
8 region. We set a high standard 50 years ago. We need
9 to set a high standard today.

10 We would ask that the federal government
11 support this commitment by the following, and you have
12 heard much of this in earlier testimony this morning.

13 Provide financial aid to low and lower-income
14 students. We are concerned that the trend toward
15 private loans is increasing the debt load of our
16 graduates, and is creating an undue burden on our next
17 generation of workers. And I believe later this
18 afternoon you will hear first-hand from students who
19 will tell you of their situation.

20 Second, support the establishment of a
21 national student unit record system with failsafe
22 privacy safeguards, so that we can assess the actual
23 cost of and student progress through higher education.

24 And I did not write that between the last testimony
25 and now. Next, provide incentives to higher education
26 to partner with business leaders and policymakers to

1 increase graduates in critical shortage areas,
2 including creative and flexible measures to support
3 the transfer of community college students, the
4 education of older students, and those wishing to
5 change careers. And lastly, continue this dialogue.

6 The recommendations you ultimately frame,
7 and you have had many suggestions offered to you this
8 morning, drawn as they surely will be from this and
9 the hundreds of other testimonies you will have
10 received, should help us all to set a common agenda,
11 one that is not divisive, but one that truly unites
12 us, all of us who share responsibility for the
13 education of our fellow citizens. The faces no longer
14 in the picture across from us should be more than
15 sufficient incentive, I believe, for us to find that
16 common cause. Thank you very much.

17 DR. DUDERSTADT: Commissioner Lewis, did
18 you have comments?

19 MS. LEWIS: We speak as one, so the
20 testimony is from us both. But I would add, perhaps,
21 a couple of examples from my state emulated in the
22 other six states that cause us to come together in
23 this kind of collaboration. First, let me speak to
24 the data issues that you have heard different
25 testimony about today.

26 We must become data driven in higher

1 education, just as our business partners are. We must
2 use information to best advantage, and we cannot do
3 that without the kind of information that goes beyond
4 our borders, which are becoming more and more
5 invisible by the day.

6 I will tell you about one project funded
7 by the Nellie Mae Foundation that we completed, where
8 we tracked 37,000 high school graduates in Connecticut
9 from the year 1998. We correlated their test results
10 on our mastery test given in 10th grade to the SAT
11 examinations, finding that both tests were good
12 predictors of college retention, each predicting in
13 separate validity areas.

14 We further followed those students through
15 six years, hopefully to their college graduation,
16 finding that, of course, that was not the case for the
17 majority of students who entered, but we were able to
18 use the National Student Clearinghouse to follow
19 students wherever they went in both the public and
20 private domains. And then further, with the
21 cooperation of the Connecticut State University and
22 its four institutions, to look very specifically at
23 whether the courses taken in high school contributed
24 to the grade point average in that freshman year and
25 retention in the sophomore year. And further, how the
26 students who had to have developmental education were

1 able to succeed, or did not succeed in those settings,
2 and whether any and all of those students persevered
3 to graduations and in what fields.

4 We are able now to take that kind of
5 information done now on a snapshot basis, and take it
6 back to the contributing school systems to tell them
7 about how their students succeeded with us. It seems
8 to me that's one of the very big things we can do to
9 connect K-12 and higher education in fruitful ways
10 where we help each other know what constitutes success
11 for our students.

12 A second and small example I would give
13 you is in terms of partnership. Recently, we had some
14 monies provided by the State of Connecticut and by the
15 Board of Governors for Higher Education who are
16 designated to try to create systemic change, create
17 cultural interest in change across the system of our
18 47 public and private institutions, just a rich array
19 of institutions on our small landscape. Two and a
20 half million dollars, not much to invest in this case
21 in trying to build the Allied Health Workforce that we
22 so desperately needed. To put that out as straight
23 competitive dollars would get us not very far, so
24 instead, we went first to New Haven where we did not
25 have a community college AS degree in nursing at our
26 Gateway institution there, and where we had four

1 primary health partners sitting in the neighborhood,
2 Anthem Blue Cross, Saint Raves, Yale New Haven, and
3 the Rehabilitation Hospital, brought them all to the
4 table and said could we do something together.

5 What has resulted are multi-year
6 contracts, contracts signed by the institutions of
7 education, in this case the first in New Haven,
8 Gateway, signing along with its Allied Health
9 partners, and with the state matching a direct
10 contribution from those private health providers for a
11 term period in which the hospitals will contribute
12 talent, laboratory space, direct dollar commitment,
13 teaching help from adjunct folks, which is hard to get
14 in the community colleges, as I think President Nunley
15 knows, where the state has given the matching dollar,
16 but more than that is also providing assistance in
17 respect to the building of support services for the
18 retention of those students to graduation, and where
19 the institution has reallocated positions, increased
20 seat space, and has committed across the system of its
21 12 community colleges to building one nursing
22 curriculum to the best quality we can manage.

23 It seems to me that kind of collaboration
24 is the only way we are going to manage resources into
25 the future, and manage the best quality
26 simultaneously. And it does seem to me, again, that

1 the federal government can appreciate how that mix of
2 attention could be to its benefit. Heretofore, most of
3 the funds coming out of the federal government have
4 been either in direct student aid, which we need as
5 you have seen today, dramatically in all our parts in
6 higher education, but secondarily, it has been to
7 institutions separately. More and more we need those
8 funds to promote collaboration, to connect the silos,
9 and to put the states in the equation, because the
10 states' interest is in the public good. And the
11 states' interested simultaneously in the quality of
12 our institutions.

13 Like Carol Emerson said long years ago,
14 "It's our job at the state level to be loving critics
15 of higher education, and to help move it forward."
16 Thank you.

17 DR. DUDERSTADT: Well put. Questions?

18 MR. DONOFRIO: If I could just start by
19 saying amen, that was terrific testimony.

20 DR. RENO: That's what happens when you
21 have a Religious Studies Professor.

22 MR. DONOFRIO: Must be.

23 DR. RENO: I wasn't sure today whether we
24 were the caboose or the benediction.

25 DR. DUDERSTADT: Well, these regional
26 efforts are extremely interesting, and extremely

1 important. And those of us that have it at one level,
2 are trying to take your lead and propagate it much
3 more broadly. You're right on target.

4 DR. RENO: Absolutely.

5 MR. DONOFRIO: I applaud you on this issue
6 of collaboration, Ms. Lewis. I would only encourage
7 you as you're thinking about all of this and this
8 outreach from higher education to K-12, I really think
9 there needs to be the opposite or the other side of
10 that outreach is from industry to higher education.
11 You're trying to get people better prepared for higher
12 education, and I salute you for that. But it's a
13 constantly changing world out there, and if all we do
14 is continue to presume that what worked in the 20th
15 Century will work in the 21st Century, we're going to
16 be some of the most disappointed people in the world
17 when we wake up in a global environment only to find
18 out that the world wasn't really flat at all, it was
19 round. And in the process, what went around, came
20 around. So I would encourage you to think what you
21 can do to kind of get more input from industry, as
22 well.

23 MS. LEWIS: I couldn't disagree with you,
24 one word spoken. We are imagining more ways to make
25 those connections. And, in fact, we're very fortunate
26 in my state to have two very strong collaborations of

1 our industry-base, where we're looking at 10,000
2 businesses in one collaboration, and 13,000 in
3 another, and each holding education foundations that
4 have a distinct role in connecting those businesses to
5 us. We need to take advantage of that.

6 DR. RENO: If I might add to that, and I
7 do so because I'd be in trouble with some of the
8 people sitting behind me if I didn't make reference to
9 the fact that in New Hampshire six years ago we
10 established the New Hampshire Forum for Higher
11 Education, which specifically sought to bring together
12 policymakers, higher education leaders, and the
13 business community to discuss our common interest.
14 And over time, that has evolved really into what we
15 now call New Hampshire Forum, and it meets on a
16 regular basis, but essentially brings issues of
17 statewide, indeed national, if not international
18 importance to the fore so that we can then have a good
19 discussion and begin to develop an agenda. Thank you.

20 DR. DUDERSTADT: Very good. Chuck.

21 DR. VEST: I guess this is more an
22 editorial comment than a question, but in some
23 nebulous way, it seemed to me from the very beginning
24 that if this Commission is to earn any respect for its
25 work, it's somehow going to emerge from the fact that
26 around the table we have represented virtually every

1 sector of higher education, community colleges,
2 research universities, to for-profits, to distance
3 education, as well as our colleagues from industry and
4 so forth. And I am simply in love with your plans and
5 your common agenda for us all who share responsibility
6 for the education of our fellow citizens. I think
7 that's really a great load stone for this Commission,
8 and it strikes me that it would be very interesting
9 for the different parts of this as we've all
10 celebrated this morning, the great diversity of
11 approaches in tanks and institutions, visitor students
12 and so forth. It would be very interesting to have us
13 think about each other, what the community colleges
14 see as the most important part of that agenda for the
15 research universities and so forth. I thank you for
16 that phrase, and I hope it becomes an inspiration for
17 us.

18 DR. DUDERSTADT: Very good. We're going
19 to take a recess now until 1:00. At 1:00 sharp we
20 will reconvene with those scheduled for public
21 comments. Thank you very much to all the participants
22 today.

23 (Whereupon, the proceedings went off the
24 record at 12:04 p.m. and went back on the record at
25 12:58 p.m.)

26 DR. DUDERSTADT: If I can bring the

1 afternoon session of our hearings to order, some quick
2 background for those of you who were not here this
3 morning. This is a Commission on the Future of Higher
4 Education in America formed by Secretary of Education
5 Margaret Spellings last Fall. The Commissioners have
6 the assignment through dialogue with people such as
7 yourself to find out more what the belief is about the
8 needs of the nation for higher education, as well as
9 individuals, and to see whether higher education or
10 colleges and universities are really adequately
11 positioned to meet those needs which are changing and
12 then to make a series of recommendations to the
13 federal government which will be due early in August
14 in a report from the Commission.

15 We're holding hearings around the United
16 States. The most recent one was in Seattle. This one
17 is in Boston obviously, which is kind of the epicenter
18 of higher education, of very high quality education in
19 the United States.

20 We'll have further hearings and meetings
21 of the Commission in Indianapolis and in California
22 and elsewhere.

23 Perhaps the best way to get started is to
24 introduce those Commissioners before you who have come
25 here today to listen to testimony, and so I'll turn to
26 Richard.

1 DR. VEDDER: I'm Richard Vedder. I'm a
2 Professor of Economics at Ohio University and also
3 work at the American Enterprise Institute, wrote a
4 book called *Going Broke By Degree*.

5 MR. DONOFRIO: Good afternoon. I'm Nick
6 Donofrio. I am the Executive Vice President for
7 Technology and Innovation at the IBM Corporation. I'm
8 a graduate of Rensselaer Polytechnic Institute many,
9 many, many years ago. I have a double E degree, and I
10 have a Master's degree in electrical engineering from
11 Syracuse. I've been with IBM for over 40 years, and I
12 spend most of my time worrying about our technical
13 strategies, our technical people and how to compete
14 innovatively in the 21st Century.

15 DR. NUNLEY: Good afternoon. I'm Charlene
16 Nunley. I'm President of Montgomery College, which is
17 the largest two-year undergraduate college in
18 Maryland. I'm really looking forward to hearing from
19 a lot of students today.

20 DR. VEST: I'm Chuck Vest, the former
21 President of MIT. I'm a mechanical engineer. I was
22 educated at West Virginia University, and the
23 University of Michigan where I spent 27 years in
24 public higher education before coming to MIT in 1990.

25 DR. DUDERSTADT: And I'm Jim Duderstadt,
26 former President of the University of Michigan where

1 I've been on the faculty for about four decades;
2 educated at that boy's school in New Haven as an
3 undergraduate, and then at Cal Tech for graduate work
4 in nuclear engineering.

5 It's very important since we have a large
6 number of speakers who have asked to speak to this
7 group this afternoon that we follow a very careful
8 process, and I've asked Cheryl Oldham, who is the
9 Staff Director for the Commission, to give you the
10 background on how this will work.

11 MS. OLDHAM: Thanks, Jim.

12 I'm just going to call numbers. Everybody
13 who is registered to provide testimony, if you haven't
14 done so already, do register with our folks out front.

15 I think we probably have maxed out at this point.

16 I will start calling numbers. I will only
17 call a number, ask that you come up. You introduce
18 yourself and where you're from, and then I'll begin
19 the timer. You'll have three minutes. You'll see the
20 green, yellow, and red. It will turn to yellow when
21 you've got about 30 seconds left, and then it will
22 turn to red when three minutes is up, and it will
23 beep, and we'll just try and keep everybody on track
24 to three minutes so we can get to just as many people
25 as possible. We have got quite a response.

26 And as I go through the numbers if you're

1 not here and I call your number and nobody comes up, I
2 will make note of it, and if we have time at the end
3 and we haven't reached four o'clock, I'll go back and
4 call those numbers again.

5 So why don't we start with number one?

6 MS. BRITTINGHAM: Good afternoon. My name
7 is Barbara Brittingham, and I'm the Director of the
8 Commission on Institutions of Higher Education for the
9 New England Association of Schools and Colleges.

10 And thank you for the opportunity to be
11 here today.

12 Our commission accredits 225 institutions,
13 including independent colleges and universities of
14 great variety, wealthy and struggling, faith based and
15 secular, along with land grant universities, state
16 colleges, community colleges, and institutions serving
17 the U.S. military.

18 Membership includes for profit
19 institutions, both publicly traded and investor owned.

20 Our smallest institution enrolls 18 students, and the
21 largest has over 30,000. Some institutions are world
22 class leaders in research and others intensely focused
23 only on teaching.

24 Accreditation is not responsible for this
25 extraordinary diversity of institutions, but it has
26 provided the conditions that let innovation and

1 competition flourish.

2 In a September 8th, 2005 issue, the
3 Economist advised countries trying to create
4 successful higher education systems to "let 1,000
5 academic flowers bloom." They conclude that
6 "America's higher education system is the best in the
7 world because there is no system."

8 Regional accreditation traces its roots to
9 1885 beginning here in New England. Today American
10 accreditation is mature and still changing, focused on
11 quality improvement and quality assurance. And while
12 accreditation is a fine system, it is not a perfect
13 one. Paraphrasing Winston Churchill's comment on
14 democracy, we may say that accreditation is the worst
15 form of quality assurance, except for all the others.

16 Recently our commission revised its
17 standards for accreditations. Our new standards are
18 stronger along five dimensions.

19 One, information and technology reflecting
20 changes in libraries, teaching and distance learning.

21 Two, assessment, understanding what and
22 how students are learning and using the results for
23 improvement.

24 Three, quality of the academic program.
25 The core of our work in recognition that awarding
26 credit is the academic equivalent of printing money.

1 Four, responsibility and integrity. To
2 succeed, institutions need an engaged and talented
3 governing board committed to fulfilling its fiduciary
4 responsibilities writ large.

5 And five, public disclosure. Insuring
6 that institutions provide easy access to information
7 on resources, services, costs, and outcomes for
8 students.

9 Publishing the revised standards is the
10 easy part. Insuring the necessary changes takes
11 longer work, and we're happy to be engaged in that.

12 Finally, a word about testing. We all
13 want better information on what students are learning.

14 How to get the information in a reliable, valid, and
15 useful form is one question. How to get it so
16 colleges and universities will find the results useful
17 for improvement is a better question.

18 Last week Boston hosted the New England
19 Flower Show. The competition there is intense, but
20 roses are not judged against orchids, and the cactus
21 is not compared with the daisy. As we let 1,000
22 flowers bloom in our academic garden, we must insure
23 we judge the results based on our mission and how well
24 the institution's own students are served. This is a
25 complex question, and it deserves complex answers.

26 Thank you very much.

1 MS. OLDHAM: Number three.

2 MS. BUDRO: Thank you.

3 My name is Catherine Budro, and I'm
4 President of the Massachusetts Association, which
5 represents more than 100,000 public education
6 employees and 29 of the 28 public higher education
7 institutions in Massachusetts from pre-kindergarten
8 through graduate school.

9 Today I am also testifying on behalf of
10 our national union, the National Education
11 Association, which represents 2.8 million education
12 employees. We appreciate this opportunity to share
13 our broad vision of the future of higher education in
14 the United States.

15 In addition, NEA will be submitting
16 additional written materials on the issues I will
17 cover and some recommendations.

18 One, support the concept of higher
19 education as a public good, not just as an individual
20 benefit. We all benefit from public effects of
21 education. Members of an educated society are more
22 likely to vote, raise healthier children, volunteer
23 and provide skills to the community. Higher education
24 should not be reduced to just a career training or
25 just to responding to work force demands of industry.

26 Two, insure that higher education is

1 accessible and affordable. Higher education has never
2 been more important. Yet at a time when more and more
3 worthwhile jobs require post secondary education, only
4 about 25 percent of our adult population has
5 Bachelor's degrees, and only 60 percent of high school
6 graduates go on to some form of higher education.

7 We need to increase the government's role
8 in the funding of higher education. Low income
9 families have been losing economic ground and have
10 found it increasingly difficult to send their children
11 to college. Student grant aid has not kept up with
12 the increasing price of attendance.

13 One important financial aid resource for
14 the poorest students has been the Pell Grant program.

15 When it was created, the maximum grant covered 84
16 percent of the cost of a public four-year college.
17 Today only 39 percent.

18 The President's budget for '07 freezes the
19 grant maximum so that the current level of \$4,050,
20 that level has been in existence for five years. This
21 is the fifth year in a row.

22 The budget also makes the largest dollar
23 cut to federal education funding in the history of the
24 education. These trends need to be reversed. As our
25 society becomes increasingly diverse, we need to make
26 sure that opportunities for higher education are

1 available to not just high school graduates, but to
2 all citizens from all segments of our society.

3 I do not have to tell you how crucial
4 higher education is to our nation. According to
5 Shaping the Future, the economic impact of public
6 universities by the National Association of State
7 Universities and Land Grant Colleges, the average
8 return on every dollar invested in a state university
9 or land grant college is five dollars, and every
10 hundred dollars spent by an institution generates
11 another 138 additional individual spendings.

12 Thank you very much for this opportunity.

13 DR. DUDERSTADT: Thank you.

14 MS. OLDHAM: Number five.

15 MS. PIERCE: My name is Kristi Pierce,
16 Associate Executive Director of College Access
17 Programs at TERI, the Education Resources Institute, a
18 national non-for-profit organization in Boston that
19 facilitates access to educational opportunities
20 through education loans and college access programs
21 targeting students traditionally under represented in
22 higher education.

23 My remarks will address accessibility of
24 higher education based on my experiences working with
25 low income and under represented groups participating
26 in TERI's programs in Boston and Brockton.

1 High school graduation rates for the
2 targeted schools for our federally funded TRIO and
3 GEAR UP programs rate from 36 to 57 percent, resulting
4 in fewer numbers of students entering college than was
5 the case a few years ago. While our target schools
6 for TRIO and GEAR UP report college going rates of 44
7 to 81 percent, the actual rates when looking at the
8 number of students who began Grade 9 four years
9 earlier were only 29 to 51 percent. These low college
10 going rates are particularly troublesome in
11 Massachusetts where the majority of jobs require post
12 secondary education.

13 Providing early awareness programs and
14 outreach to low income use in adults is essential.
15 Students and their parents need help to understand the
16 relationship between rigorous course work and college
17 preparedness. Research shows that taking rigorous
18 college prep courses is the most important predictor
19 of college success.

20 In general, low income and under
21 represented groups are less likely to take the courses
22 needed to prepare them for college. Early awareness
23 programs provide information on school course
24 selection, college admissions criteria and financial
25 aid availability, allowing students to make informed
26 choices that will prepare them to pursue higher

1 education.

2 Two of our college access programs provide
3 early college awareness in middle school students in
4 Grades 6 and 8. Kids to College pairs a college
5 partner with a sixth grade classroom and provides
6 weekly sessions on college awareness, culminating in a
7 day on a college campus.

8 Last year 3,100 sixth graders, 50 schools
9 and 51 colleges participated.

10 Get Ready for College brings teams of
11 college area admissions and financial aid officers and
12 TERI college access advisors into every eighth grade
13 classroom to talk with students about the benefits of
14 higher education and what they need to do to be
15 prepared. In one week we reach of 3,800 students.

16 TERI collage access also provides outreach
17 services to adults and students through our access
18 centers located in public libraries and community
19 agencies in low income neighborhoods.

20 The advising staff for the centers is
21 multi-lingual and public information is produced in
22 languages that are prevalent in the community.

23 Several programs currently funded by the
24 U.S. Department of Education that address issues of
25 accessibility for low income students are Pell Grant,
26 TRIO, and GEAR UP. Two of the TRIO programs, Talent

1 Search and Upward Bound and the GEAR UP program have
2 been recommended for elimination, and the maximum Pell
3 Grant would be kept at \$4,050 for the fifth year in a
4 row.

5 These proposed cuts are short sighted and
6 far reaching. Rather than eliminating or flat funding
7 these programs, continued investment would insure that
8 those who have the greatest need and fewest resources
9 are provided the help they need to pursue higher
10 education.

11 I urge the Commission to recommend
12 increasing investment in these programs so that many
13 more students have the opportunity to realize their
14 dreams.

15 I want to express my gratitude to
16 Secretary Spellings for establishing a Commission to
17 consider the future of higher education, and for the
18 commitment of the Commission members to provide the
19 best possible higher education opportunity for all
20 Americans.

21 Thank you.

22 MS. OLDHAM: Number six.

23 MR. PRAMAS: Okay. Four minutes in three.
24 Apologies to the sign-up.

25 Good afternoon. My name is Jason Pramas,
26 and I'm a senior in the Community Media and Technology

1 Program at the University of Massachusetts, Boston.
2 I'm also chair of the Committee on Higher Education of
3 our undergraduate Student Senate.

4 I'm here today to tell you what students
5 at my predominantly working class, multi-racial
6 commuter college need from the federal government and
7 what we don't need.

8 We don't need huge cuts to the federal
9 higher education budget of the type that the Bush
10 Administration is currently prosecuting. We don't
11 need a higher education system that dumps public money
12 on the relatively small private colleges while giant
13 public university systems starve for funds, as is
14 certainly the case in Massachusetts where the bulk of
15 federal funds goes to private colleges, despite the
16 fact that the bulk of students go to public colleges.

17 We don't need an expansion of the already
18 out of control national standardized testing regime
19 that saps resources from public education at all
20 levels in the service of the questionable goal of
21 proving students' ability to take standardized tests.

22 We don't need a continuation of the
23 structural transformation of higher education to an
24 increasingly corporate model where students are viewed
25 as units to be moved, products to be produced. Faculty
26 and staff are subjected to endless attempts to

1 destabilize their job security and their control over
2 curriculum and governance, and administrators believe
3 themselves to be managers and CEOs who rule the roost
4 like feudal autocrats.

5 What we do need is simple. We need a
6 fully taxpayer funded higher education system,
7 extending our existing K through 12 public school
8 system to become at least a K through 16 system.
9 Pretty much every other industrialized nation in the
10 world has this kind of system and reaps the benefits
11 therefrom.

12 Protestations that we, the richest nation
13 in the world, couldn't possibly afford such a system
14 are ludicrous, especially given that studies show that
15 could be done for well under \$100 billion a year at a
16 time when our nation is spending over \$100 billion a
17 year on the occupation of Iraq.

18 Beyond such a public K through 16
19 educational system, we need a solid education that
20 does not narrow itself to meet the needs of
21 fashionable industries of the moment, for example, the
22 biotech industry, and we need good jobs when we
23 graduate.

24 It's worth mentioning that the members of
25 this Commission speak at length about the dire need
26 for more education and training for Americans,

1 particularly in the sciences, at precisely the moment
2 when the contingencization (phonetic) of our labor
3 markets for the past 30 years has destroyed the very
4 idea of a good job in this country. Job security,
5 decent wages, and benefits are things of the past for
6 most Americans, a problem which is perhaps outside the
7 purview of this body to deal with. More is the pity.

8 Higher education itself is dependent on a
9 subsidy from the hidden majority of its teachers,
10 namely contingent or part-time faculty who have poor
11 pay, little job security, few or no health care
12 benefits, and yet are charged with the most important
13 aspect of higher education service delivery:
14 teaching.

15 At the same time, the Commission's makeup
16 does not represent this core constituency of higher
17 education. In this vein, needless to say, we're
18 skeptical about the Commission. It seems staffed with
19 corporate representatives, conservative think tanks,
20 Bush appointees, and the light sprinkling of
21 academics, but has no representation of the vast
22 majority of participants in our higher education
23 system.

24 The giant memberships, organizations, and
25 unions and faculty, students and staff, the AAUP,
26 NEA, AFT and USSA are nowhere to be found in your

1 ranks, which seems a rather startling omission, given
2 the gravity of the Commission's mandate. And holding
3 a bare handful of meetings and small public hearings
4 like this one seems a rather poor way of taking the
5 pulse of American higher education.

6 In any case, the needs of the students of
7 the University of Massachusetts and, indeed, the needs
8 of students across the United States can only be
9 properly fulfilled by a fully taxpayer funding public
10 higher education system, and that will only happen if
11 the need for higher education is once again seen as a
12 public good.

13 I thank you. My remarks are available.

14 (Applause.)

15 MS. OLDHAM: Number seven.

16 MS. WALKER: Hello. My name is Priscilla
17 Walker, and I'm a student at the University of
18 Massachusetts at Boston. My major is community
19 planning, and I am here this afternoon to represent
20 the needs for higher education for all.

21 In the 21st Century, basically to
22 accomplish success for yourself and your family a
23 degree higher than a high school must be obtained.
24 The financial aspect of continuing your education
25 after high school is becoming a serious threat for the
26 middle income, disabled, important applicants of

1 America.

2 I am particularly affected by the problem
3 because tuition and fees at my university have gone up
4 by over 400 percent in the last 20 years, and my
5 college, the College of Public and Community Service,
6 is constantly having its budget cut.

7 Public universities have had their normal
8 channels of revenue eaten away by state and federal
9 budget cuts and by the alarming amount of grants that
10 the government is awarding private institutions
11 instead of the public. The voice of the taxpayers
12 hasn't been crying for government support as loudly as
13 in the past because there has been a trend among
14 students and their families to seek private schools
15 that have the name that is synonymous with success
16 even though it's monetarily over their heads.

17 State legislatures in the federal
18 government follow taxpayers' voice. If they do not
19 insist on increasing their educational budget for
20 public institutions of higher learning, then the
21 politicians will place the money elsewhere.

22 Borrowing money has become an unhealthy
23 vice. Students and their families are becoming
24 encouraged to overextend themselves, forcing
25 themselves deeper into poverty instead of out of it.
26 Loans are not the answer. I believe a new program

1 should be put in place to change the situation on how
2 to pay for higher education, and that is to legislate
3 a K through 16 public education system.

4 This new system will require a stronger
5 government and taxpayer commitment to public
6 education, but it will alleviate the swallowing up of
7 our public universities by big business and other
8 private entities whose agenda only profits themselves.

9 It is of monumental urgency that Americans stop
10 taking these educational loans and pressure their
11 state legislature and the federal government for
12 higher education for all.

13 Thank you.

14 DR. DUDERSTADT: Thank you very much.

15 MS. OLDHAM: Number eight.

16 MR. JEAVITTS: Hello. My name is John
17 Jeavitts, and I'm a member of the University of
18 Connecticut undergraduate student government, and I'm
19 originally from Hartford, Connecticut.

20 I want to thank you for the opportunity to
21 testify before the Commission, and I hope you will
22 listen carefully, especially considering the lack of a
23 student on the Commission.

24 Before I begin, I would like to say in no
25 uncertain terms that tuition defeats the mission of a
26 public university. The best way to insure access is

1 to return to a system fully funded by the taxpayers,
2 the system in Connecticut had before it allowed the
3 public constituent units of higher education to charge
4 tuition for the first time in 1973.

5 However, given that we do not live in a
6 perfect world, I would like to address some
7 alternatives. In February of 2005, Connecticut
8 Governor M. Jodi Rell presented her first budget as
9 our state's chief executive. Contained within her
10 proposal was a broad based plan to freeze tuition at
11 all public colleges and universities in Connecticut.
12 She justified the proposal by citing the burdens many
13 Connecticut families face in paying for a college
14 education.

15 Every year tuition at UCONN and at the
16 other two public systems in Connecticut is raised
17 higher than the rate of inflation.

18 However, her plan had a critical flaw. On
19 the money side, her plan continued the agonizing
20 trajectory of the state's gradual divestment from
21 public higher education and is symptomatic of the
22 federal government's divestment also.

23 Because of this, her tuition freeze plan
24 was met with considerable resistance from students,
25 administrators, and other advocates of public higher
26 ed. Although I agree that the trustees of the three

1 public systems in Connecticut should keep a more
2 watchful eye on what they are charging students,
3 putting institutions into a box is not the way to do
4 it.

5 One way to more productively address the
6 issues of access and affordability is through
7 financial aid on both the state and federal levels.
8 The State of Connecticut sponsors three major grant
9 programs. Of the three, the Connecticut Aid to Public
10 College Students Program, or CAPS, is the only program
11 which is strictly need based and intended for public
12 university students, meaning it speaks most clearly to
13 access. The program "provides grant assistance to
14 Connecticut residents attending state supported
15 colleges in Connecticut."

16 The annual requested appropriation matches
17 the 15 percent tuition set-asides at Connecticut
18 public colleges. Funds may be awarded to needy
19 students at the discretion of the institutional
20 financial aid directors for grants and part-time work
21 opportunities. In 2004, this program funded an
22 average award of \$1,500 to a little bit over 11,000
23 students.

24 In short, because a certain percentage of
25 tuition revenue is set aside for need based financial
26 aid, public college and university students in

1 Connecticut pay their tuition in accordance to their
2 income. CAPS money is funds from the state which are
3 designed to match that money which is set aside by
4 each institution for financial aid. Money from CAPS
5 may take the form of tuition remission, tuition
6 waiver, grant and work-study, with the first three
7 being most preferable.

8 Recently because of budget decisions by
9 the federal government concerning student aid, in this
10 state legislative session, Connecticut students are
11 advocating an expansion to the CAPS program, an
12 endeavor we hope to be successful, as UCONN students
13 pay the ninth most expensive in-state public
14 university tuition in the nation.

15 Because of expected increases in student
16 loan interest rates, we hope to be successful in
17 alleviating the many drastic student loan burdens many
18 UCONN students, including myself face after
19 graduation.

20 Is that three minutes? Okay. Thank you.

21 MS. OLDHAM: Thank you.

22 Number nine.

23 MR. CORL: My name is Adam Corl. I'm from
24 UMass-Amherst. I am an intern for Mass PERG
25 (phonetic), and I just have a really short, more
26 personalized --

1 (Laughter in response to buzzer.)

2 MS. OLDHAM: That was short.

3 MR. CORT: There you go.

4 MS. OLDHAM: I'm sorry. I knew this was
5 going to happen. Okay. Go ahead. Sorry about that.

6 MR. CORT: I'm pretty much speaking from
7 experience here. I'm an anthropology major, in
8 addition to being a nursing major, and I'm an intern
9 from Mass PERG, and I also have to kind of hold down a
10 part-time job to be able to go to school in the first
11 place.

12 My main point is that I feel like we need
13 to increase grant aid in placement of loans so that
14 students are given the opportunity to have really
15 important additional academic experiences, like
16 internships, which I feel a lot of working students
17 aren't able to do.

18 In addition to that, working students are
19 also slightly penalized in terms of like FASFA because
20 our salaries are actually counted against us. We
21 wouldn't be working if we didn't have to. I think
22 that's a slightly unfair occurrence.

23 Another just main point is that coming
24 from a nonprofit sector, it's kind of daunting to
25 realize that even though I have a strong interest in
26 working a nonprofit job which I feel is really

1 important towards society as a whole because we're
2 kind of taking up the responsibility where the
3 government left off.

4 In terms of community service, I'm
5 involved with hunger and homelessness. When I
6 graduate, I would really like to be able to help out
7 my community, but with the idea of so much loan debt
8 kind of lingering over my head, it kind of limits what
9 I'm able to look for in terms of career placement.

10 So that's my short of it. Sorry I don't
11 have like pie graphs or something, but I thought a
12 little personal testimony might do some good.

13 Thank you very much.

14 MS. OLDHAM: Thank you.

15 (Applause.)

16 MS. OLDHAM: Number 11. Number 11?

17 Okay. Let's do 12.

18 MR. MENDEZ: Good afternoon. My name is
19 Elvis Mendez. I am the President-elect of the Student
20 Government Association at UMass-Amherst.

21 It's my understanding that we as students
22 are here to speak about our personal experiences
23 regarding the rising costs in higher education. In
24 the last few years, tuition and fees have risen
25 sharply. In my school, from the total cost of
26 attending the university hovering right under \$12,000

1 for the 2002-2003 academic year, to its present cost
2 of attending the university being over 17,000.

3 Additionally, this state ranked 49th in
4 the nation in terms of funding for higher education.
5 The university I attend, like many, applauds and
6 congratulates itself for increasing the fees in a
7 manner that is under or parallel to the rate of
8 inflation. By today's dismal standards perhaps this
9 is some sort of achievement, but have we forgotten
10 that the wages in America have not risen?

11 What we have is a generation that is about
12 to enter the work force with an insurmountable amount
13 of loan debt. With the cuts to Pell Grants, many
14 underprivileged students and students of color will be
15 unable to afford higher education. We must again make
16 institutes of higher learning a priority on the
17 nation's agenda and restore the funding of these
18 grants.

19 With but a fraction of the \$250 billion it
20 costs to wage war in Iraq, we could pay for all the
21 students currently enrolled in colleges and
22 universities across America.

23 I believe we are all well acquainted with
24 the numbers and statistics surrounding higher
25 education. What students are here to do with our
26 testimony is to provide a face to these numbers. So

1 speaking from personal experience, I would like to say
2 that in the past four months, three of my friends have
3 joined different branches of the Armed Forces in an
4 attempt to either pay for their college education or
5 find a cheap alternative to attending a university.

6 One of my best friends, unbeknownst to his
7 parents is actually taking a semester off from school
8 so that he can work a full-time job and with that
9 money enroll in the fall.

10 I have several other friends who are not
11 eligible for financial aid, and this coming semester
12 may very well be their last at Amherst, not due to
13 academic deficiencies, but rather, because
14 universities across the nation are taking steps to
15 price out the middle class.

16 In Amherst, as early as the fall, we
17 conducted a project where students volunteered to
18 stand with a sign showing the amount of loan that they
19 had accumulated. The line that formed was tremendous
20 as almost every student that passed by our table
21 wanted to approach the rising cost of the university.

22 And this, in short, is what statistics do
23 not show, the human aspect. I am a part of the Free
24 Higher Education Movement. I hold the belief, as do
25 many in this room, that education is a right. It
26 should be accessible to all and as a country, we are

1 doing a great injustice to our youth by not giving
2 them the resources needed to remain competitive in the
3 world.

4 I urge you all to stop this trend, to help
5 work with students to make higher education accessible
6 once more for all people regardless of race, gender or
7 socioeconomic background.

8 Thank you

9 DR. DUDERSTADT: Thank you.

10 (Applause.)

11 MS. OLDHAM: Number 14.

12 MR. CHAISSON: Good afternoon, Honorable
13 Commissioners.

14 Thank you for hearing the urgent message
15 that I bring before you today on behalf of all State
16 of Maine college students. My name is Joshua
17 Chaisson, and I serve as the student body president at
18 the University of Southern Maine.

19 In my state and across the nation students
20 are witnessing a terrifying trend. Every year we, the
21 future of America, are vulnerable to an average eight
22 to ten percent tuition hike while federal financial
23 aid programs are being slashed instead of increased as
24 students need them to be.

25 Two facts scare me in this trend. One,
26 according to a report published by the State PERGs in

1 2002, 39 percent of all student borrowers are
2 graduating with unmanageable debt. Today that number
3 is on the rise as more students are being forced to
4 take out more loans.

5 Students are no longer entering an economy
6 with endless opportunities. They are, instead,
7 entering an economy, a slave, a slave to Sallie Mae.

8 (Laughter.)

9 MR CHAISSON: You laugh, but it's true.

10 If this trend continues, I'm afraid that
11 higher education degrees will only be accessible to
12 the most affluent students. You cannot allow this to
13 happen.

14 Financial barriers need to be broken down
15 instead of built up. There is a clear correlation
16 between education and less poverty, more education and
17 a stronger economy, more education and more
18 opportunities.

19 As a first generation college student in
20 my family, I must pay for college all on my own. My
21 family, like most of America, lives paycheck to
22 paycheck and cannot afford to send either me or my
23 brother to school. For this reason, students like
24 myself have become highly dependent on affordable
25 college loans, work-study funds, and grants.

26 I am currently awaiting my financial aid

1 award letter. This letter is the most anticipated
2 mail I will receive all year long. It will determine
3 whether or not I will continue on with my education.
4 It will determine whether or not I am the first person
5 in my family to graduate from college.

6 I have here in this folder 100 other
7 stories similar to mine that I've collected from the
8 University of Southern Maine, 100 stories, and I did
9 this in one day's time. I sat out in a desk and
10 collected 100 stories that are very similar to mine.

11 I ask that the federal government and the
12 state take dual responsibility, dual responsibility,
13 in making higher education more accessible and more
14 affordable to students. The students within the State
15 of Maine plea that the Commission, in developing your
16 comprehensive national strategy for post secondary
17 higher education recommend investing more in grant aid
18 and cheaper loans for college students.

19 You, the Commissioners, have as Secretary
20 Spelling said in North Carolina the responsibility to
21 make sure that our higher education system continues
22 to meet our nation's needs. You, the Commissioners,
23 have the ability to shape not only higher education,
24 but the overall direction and success of our country.

25 Thank you very much for the responsibility
26 that you are taking on today.

1 DR. DUDERSTADT: Thank you very much.

2 (Applause.)

3 MS. OLDHAM: Number 15.

4 MS. LAFLAMME: My name is Jessica
5 Laflamme, and I'm an honor student at Salem State
6 College, and I just want to thank you guys for the
7 opportunity to hear what I have to say today.

8 In my first semester at Salem State
9 College, I made the Dean's list, and I'm also the
10 first member of my family to go to college, and I am
11 paving the way for my younger brothers and sisters to
12 go to college with an easier entrance into a higher
13 learning institution.

14 I hope I'm some day helping other kids
15 just like me make it into higher forms of education
16 despite lacking the natural resources, such as money
17 and reliable guidance counsellors at the high school
18 that are so vital in what can be considered the most
19 difficult years of your life.

20 My plea to this conference is to think
21 twice before supporting cuts to grant money and
22 raising interest rates on student loans. The students
23 that suffer from poverty or graduate from inner city
24 high schools mostly equipped with a smaller student-
25 to-teacher ratio are among some of the strongest, most
26 driven individuals. The students that just make it

1 into college with the help of extra grant money or a
2 last minute loan are often the kids that have learned
3 to become self-reliant and mature. They have the most
4 comprehension of what a college education can offer
5 them. The personal struggles they endure make them
6 more versatile human beings and ultimately better
7 employees in the future.

8 In my own experience, I know I'm lucky to
9 be in college. If my family had not been able to take
10 out a low interest loan and had I not been awarded
11 grant money, I wouldn't be at Salem State today. For
12 me every year is a struggle. I know my financial
13 stability is not too good. I take my education
14 seriously, and am somebody assumes like myself that we
15 are going to ultimately make the best employees after
16 graduation, dedicated to their jobs, knowing that that
17 can change at any moment, that are grateful to be with
18 that graduation cap on.

19 My goal here is not to downplay anyone
20 based on their economic security and emphasize those
21 who come from a more humble background. I'm not here
22 to slander anyone or to, you know, make anyone -- give
23 guilt.

24 I am surrounded with some of the most
25 dedicated, self-aware students in this state. They
26 are just getting by and every semester poses a new

1 problems of books to buy, a meal plan, amongst many
2 other things that pop up, from buying food. You know
3 how it is to be in college.

4 (Laughter.)

5 MS. LAFLAMME: We have to be dependable.
6 Aren't these the type of people companies want to hire
7 in the future? Well, if you take away grant money and
8 up loan interest rates, a college education will
9 become a delicacy that is not appreciated or worked
10 for, but merely expected for those with the economic
11 position to pay the bill. By keeping the students
12 out, the companies, hospitals, and schools of America
13 are missing out on the most versatile, creative, among
14 many other things in students who have faced
15 adversity.

16 I hope that this influences your decision
17 in the future, and just like what the other kids had
18 to say.

19 Thank you.

20 DR. DUDERSTADT: Thank you very much.

21 (Applause.)

22 MS. OLDHAM: Number 16.

23 MR. GUY: Good afternoon, Commissioners.
24 It has been a rather long morning. So I promise I'll
25 be brief.

26 My name is Mubarak Guy, and I'm currently

1 a senior student leader at Rutgers, the state
2 university of New Jersey, North Campus. When I'm not
3 in the classroom, I serve as the president of my
4 student government, the Vice Chairman of the New
5 Jersey Student Advisory Committee, a voting board
6 member to the New Jersey Higher Education Student
7 Assistance Authority, and a lifetime member of Golden
8 Key International Honor Society.

9 As a Board member, it is my duty to help
10 determine the policies, procedures, and programs for
11 student aid in my state, ranging from grants to loan
12 programs and family assistance. But I'm not different
13 from the students that I serve. I'm among them, and
14 with over a \$12 billion cut in federal aid, it will
15 significantly damage.

16 As a student official, we believe in small
17 victories. So I came here with very specific things,
18 not just talking objectively.

19 One thing, the State of New Jersey is very
20 outraged about the Perkins Loan federal capital
21 contribution. This proposal is very important because
22 needy students benefit from the low five percent
23 interest rate, the nine month deferral in
24 capitalization of interest after the student leaves
25 school or drops below half time status, the loan
26 redemption for certain professions like nursing,

1 teaching, and social work. It will most certainly
2 contribute to increased use of non-federal education
3 loans that carry higher interest rates.

4 Students may incur greater indebtedness or
5 possibly not be able to afford college at all and
6 won't simply go. But more specifically, the Perkins
7 Loan, it is proposed for elimination, and in the State
8 of New Jersey, every year we award \$137 million --
9 I'll repeat that again: \$137 million -- through this
10 program. And by removing this award from students,
11 you're taking that away.

12 Another thing that we're interested in is
13 the leveraging educational assistance program, and
14 this matching program is used to fund awards for
15 students with family income below 15,000. In some
16 states eliminating this lead program will eliminate
17 the state grant programs targeted to the neediest
18 students in their entirety, in their entirety. Some
19 states depend on that.

20 Another issue of concern is the Pell
21 Grants. The budget proposal calls for the fifth year,
22 which we already heard, of eligibility without
23 increasing the maximum grant of \$4,050. Grant funds
24 are the backbone of student aid and everything else is
25 a supplement, and by removing this, we found that 75
26 percent of the students on my campus graduate with

1 loan debt of at least \$15,000.

2 Now, this may sound small to some students
3 across the country, but to students who want to work
4 in the public sector, \$15,000 suddenly sounds a whole
5 lot bigger.

6 But the problem is that the bottom line is
7 that students are becoming discouraged, and as we
8 know, the private sector is very important, but it has
9 no security without the public sector, and students
10 are becoming discouraged to work in the public sector
11 because they have to think about issues of how am I
12 going to even pay back, you know, these debts.

13 So I ask you to invest in loan programs
14 for students that will keep the Perkins Loan alive and
15 push for increase in federal Pel grants.

16 Thank you.

17 DR. DUDERSTADT: Thank you.

18 MS. OLDHAM: Number 18.

19 MR. PEACH: My name is Scott Peach, and
20 I'm the Vice President of the PERG organization at the
21 University of New Hampshire.

22 I thank you for hearing the student voice
23 at this extremely important meeting. It definitely
24 means a lot to us.

25 As a student, I'm very concerned about the
26 financial burden of higher education. With tuition

1 increasing annually and federal aid money becoming
2 less available, students today are at a disadvantage.
3 Due to budget cuts, one can clearly see that
4 priorities have shifted in America, namely focusing on
5 defense, the War on Terror, democratizing Iraq. Why
6 are billions of dollars being poured into
7 reconstructing a whole nation at the expense of the
8 middle and lower classes of America?

9 To put it bluntly, we as college students
10 need help. Fifty-eight percent of students at UNH
11 have loan debt at an average of \$22,354. While I was
12 working on the Radon Student Aid Campaign, I met with
13 some students who complained of loan debt up to
14 \$80,000. There were 60,000, 70,000, you know. They
15 were all up there. And this is a state school.

16 So people go to college to get ahead in
17 the work force, not to be held down by massive, long-
18 term debt. These extensive loan payments are limiting
19 the opportunities students may have upon graduation,
20 and becoming a teacher or a social worker may be out
21 of the question because of the financial burden of
22 going to college.

23 The reason I am up here is because I'm
24 worried about my future. When I graduate, I plan on
25 joining the Peace Corps to help out where help is
26 needed. As a young person I believe this is a perfect

1 time for me to experience the world, but will I even
2 reach that goal just because I went to college to
3 expand my opportunities because of the \$25,000 burden
4 that will be looming over my head? That's how much
5 I'm going to have when I get out, depending on, you
6 know, when I graduate.

7 So, I mean, please, when making decisions
8 about our future as college students, keep us in mind.

9 Don't only rely on statistics and numbers. Keep the
10 person behind it all in mind.

11 I would also hope to see students on the
12 Commission for the Future of Higher Education because
13 your decisions will directly affect our lives. I
14 think it's very important to get feedback from the
15 people you are representing, and I appreciate you
16 taking the time to listen to us speak here today.

17 So thank you.

18 DR. DUDERSTADT: Thank you.

19 MS. OLDHAM: Number 19.

20 MR. KIM: My name is Jahantab Siddiqui Kim
21 from the University of Maryland.

22 Thank you for giving me the chance to
23 speak on behalf of students at the University of
24 Maryland, College Park.

25 I would like to ask you to please include
26 in your final report the need for an increased grant

1 and loan aid from the federal government.

2 I would also appreciate it if you'd note
3 in your report that cutting loan programs as Congress
4 did earlier this year when it cut \$12 billion from the
5 budget from the student loan programs hurt students.

6 Students in Maryland have seen an increase
7 in the past few years. Our tuition increased
8 dramatically because of cuts to the state's higher
9 education budget, and we are at a point where students
10 who enrolled three years ago will pay double their
11 first year tuition for the next academic year.

12 Tuition has gone up 46 percent over the
13 past three years, and it is expected to go up even
14 more over the next decade simply because of
15 limitations on how much the state can provide to the
16 university system.

17 But the problem is not with how much
18 funding we get. The problem is how much students and
19 their families can afford to pay because household
20 income does not go up at the same rate tuition and
21 fees go up, much less inflation.

22 I was down in the State Capital of
23 Annapolis last week, and students have been lobbying
24 for a tuition freeze for next year simply because the
25 state has a budget surplus which was achieved on the
26 heels of cuts to higher education. So we have been

1 lobbying for that, but that's only a short-term
2 solution, and we need a more long-term solution which
3 is why we're here to ask this Commission and Secretary
4 Spellings to prepare a report that serves as a long-
5 term solution for students.

6 The government must take an active role in
7 making sure that those who cannot afford to pay for
8 school on their own are given the opportunity to get a
9 college education. We all know that a college
10 education can more than double a person's salary and
11 help them get a better job. But if families cannot
12 afford it, they will never have the same opportunity
13 as those who might be better off financially.

14 At the University of Maryland, 39 percent
15 of graduates graduate with an average of over \$15,000
16 in debt, and that's a public university. Fifteen
17 percent receive Pell Grants, while 52 percent apply
18 for aid every year.

19 I personally know students who are either
20 in debt or have dropped out of school because they
21 could not afford to pay because higher education was a
22 burden on their families.

23 Students must be encouraged to get a
24 college education, not discouraged. A strong economy
25 needs strong graduates to enter the work force, and
26 unless we graduate satisfied graduates, we won't have

1 a strong economy. Unless there's a strong pool of
2 graduates every year, how will we continue making
3 advances as we have over the past few decades.

4 Paying for college should not be a burden,
5 and to make sure it is no longer the reason families
6 are discouraged to send their kids to school, I ask
7 you to recommend additional funding for student loan
8 and aid programs.

9 After Congress cut financial aid earlier
10 this year, financial aid is no longer a system that
11 students can rely on to help with education costs. We
12 can no longer doubt merit based scholarships or loans
13 because those only help a small proportion of students
14 and stop short of helping those who want a college
15 education but cannot afford it.

16 We are competing with kids in India and
17 China now, not with Berkeley and Howard anymore. So I
18 encourage you to take our considerations into account
19 and prepare a report that is student friendly.

20 Thank you.

21 (Applause.)

22 MS. OLDHAM: Number 20.

23 MR. SINCLAIRE: Good afternoon. My name
24 is Chad Sinclair, and I am a sophomore at the
25 University of Maryland, and I would like to personally
26 thank you for the opportunity to speak to you not only

1 on behalf of the students at the University of
2 Maryland, College Park, but on behalf of the students
3 all across the country.

4 As you well know, tuition is on the rise
5 nationally while federal funding for higher education
6 is on the decline. Three weeks ago several of my
7 peers and I testified before the Maryland House
8 Appropriations Committee in support of a bill that
9 would freeze tuition for next year for the university
10 system of Maryland.

11 Bills like this that freeze tuition and
12 permit additional increases are mere stepping stones
13 in a battle against student debt that is becoming more
14 and more noticeable. By slowing tuition hikes along
15 with increased federal funding and reform of student
16 loan laws, higher education can once again become more
17 affordable.

18 It is estimated that nearly 200,000
19 college eligible high school seniors forego any form
20 of higher education due to financial constraints on
21 their families. Is it right as a society to place
22 such importance on higher education when the
23 affordability of such an education is becoming out of
24 reach?

25 I believe it is time we look at the true
26 importance of higher education and define for

1 ourselves the means through which students will pay
2 for it. As a senior in high school, I was searching
3 for a college that would provide me with the best
4 educational opportunity for my future. The University
5 of Maryland is a Top 20 public research university
6 filled with some of the most promising students and
7 faculty America has to offer.

8 However, it is also becoming one of the
9 most expensive. As a sophomore I personally have
10 already accrued over \$43,000 in debt through student
11 loans, and I estimate that by the time I graduate, I
12 will be in debt in excess of nearly \$100,000. With my
13 sight set on law school, it is discouraging and
14 disheartening to think I may not be able to go because
15 of my family's financial burden.

16 The \$12 billion Congress cut from the
17 student loan program could certainly benefit students
18 like me, as well as others who have aspirations of
19 attending graduate schools. However, you need not
20 look at my situation to see that reforming the student
21 loan program should be a top priority. During the
22 2003 school year, the total dollar amount of money
23 spent on tuition at the University of Maryland,
24 College Park students reached over \$237 million. The
25 total government funding for the university was just
26 over \$70 million, leaving \$167 million in tuition

1 unaccounted for.

2 That burden is being placed directly back
3 on the students' shoulders. What is so staggering
4 about this example is this is only one school in a
5 country filled with hundreds of colleges and
6 universities and hundreds of thousands of bright
7 talented college students.

8 Now, I did not come here today to gripe,
9 complain, or ask for pity. I came to inform you of
10 how real this situation is. Students across the
11 nation are having more and more trouble affording a
12 quality education. The leaders of tomorrow are asking
13 you, the leaders of today, to stand up and help us.
14 Student debt has spun out of control, and you have the
15 ability to change the course of higher education
16 through your recommendation.

17 Now is the time to make a change. Now is
18 the time to give college students a chance to better
19 afford higher education, and therefore, I ask you on
20 behalf of students all across the country to include
21 in your final report policy recommendations that will
22 increase grant and loan aid at the federal level.

23 Thank you very much for your time.

24 DR. DUDERSTADT: Thank you.

25 (Applause.)

26 MS. OLDHAM: Number 21.

1 MS. KOFIE: Good afternoon. My name is
2 Precious Kofie. I'm a junior, pre-physical therapy
3 major from Chicago, Illinois, and I attend Howard
4 University.

5 And I am here today. It's my pleasure to
6 sit before you on behalf of the United States Student
7 Association and to give my testimony on how federal
8 aid has really impacted my life as a college student
9 and how it is very important that it remains
10 accessible to students.

11 As a low income, first generation college
12 student, the idea of paying for college up front was
13 not an option for my parents and me. Upon preparing
14 to attend college, the FASFA form was my only hope at
15 an equal chance at quality education. As a student at
16 Howard, I received a Pell Grant, a federal work study,
17 and federal student loans. Without any one of these
18 aspects, I would not have been able to attend Howard.

19 I am a first-hand witness to the
20 importance of the federal role in funding post
21 secondary education. In addition to Pell Grants and
22 work study, it is very important that many of the
23 loans that students are offered remain manageable
24 after college. I know that I have many friends that
25 fund their college education solely through student
26 loans.

1 Personally I will only have approximately
2 \$50,000 worth of loans, which is a very small amount
3 compared to the students who have over hundreds of
4 thousands of dollars' worth of loans. And I still
5 look to the Commission, look to the federal government
6 to make sure that the policies of repayment remain in
7 may favor and remain in order to help me make
8 repayment of my loans as stress free and as
9 controllable as possible.

10 The allocation of these loans is extremely
11 instrumental because oftentimes outside loan programs
12 have higher interest rates or are more tedious to
13 manage, but if the loan rates or the interest rates do
14 not remain low, this would not be true any longer.

15 Effective planning and loan repayment
16 schedules and interest improvement is essential on the
17 part of the federal government in order to insure the
18 debt of recent graduates does not become out of
19 control or overwhelming.

20 The importance of the federal government
21 also goes deeply into the allocation of federal funds
22 to universities such as HBCUs. As stated earlier, I
23 attend Howard University and know that without the
24 significant funding from the federal government, our
25 tuition will be almost twice as much as it is now and
26 students would have almost approximately half as much

1 scholarship money to be allocated to students.

2 Federal funding for many students is a
3 lifeline that provides that much needed support that
4 they need in order to continue their education. In
5 order to impact our future, we must make an active
6 choice to invest in our future. Divesting in post
7 secondary education is not the way. There are so many
8 future ambassadors, teachers, scientists, ministers,
9 and politicians calling on you all to help them
10 research their maximum potential.

11 Organizations such as the USSA give
12 students a voice. It is our hope that you will
13 listen.

14 Thank you.

15 DR. DUDERSTADT: Thank you.

16 (Applause.)

17 MS. OLDHAM: Number 22.

18 MS. PAE: Good afternoon. For those
19 Commissioners I have not yet met, my name is Jennifer
20 Pae, and I'm the elected Vice President for the United
21 States Student Association.

22 We are the nation's oldest and largest
23 national student association, representing millions of
24 students nationwide. From the Commission meetings in
25 San Diego to Seattle, we are here once again to let
26 you know and express our concerns for the future of

1 higher education.

2 I speak on behalf of millions of students
3 from across the country that would like to succeed and
4 receive their college degree, as well as the millions
5 of future students that hope to be able to access
6 higher education and not be deterred because of costs.

7 From Oregon to Pennsylvania, from Michigan
8 to Texas, and from California to Florida, I have here
9 a small sampling of testimonials that we have received
10 among the thousands of students that want to share
11 their story. They hope that the Commission will not
12 leave students behind when drafting their
13 recommendation for Secretary of Education Margaret
14 Spellings.

15 We are in a state of emergency in regards
16 to higher education. While tuition and college costs
17 play a significant role in the affordability of
18 college, as we see continual tuition hikes and
19 increasing costs of living, the federal government
20 plays an extremely vital role in the priorities of our
21 country.

22 The continued federal divestment for
23 higher education is more apparent now than ever
24 before. Recently, as we have all heard, the federal
25 government has made the largest cuts in the student
26 loan programs in its history, as well as targeting key

1 higher education programs for elimination or
2 reduction, programs such as the Pel grant, the Perkins
3 loan, LEAP, Stafford loans, Parent Plus loans,
4 programs that I have benefitted from, and I have
5 worked and paid my way through college every year and
6 every year and every summer, and yet I still have
7 graduated with \$30,000 in debt.

8 As a first generation college student and
9 the oldest of four, I'm worried and terrified that my
10 sisters will be among the thousands that will not be
11 able to go into college and be deterred because of
12 costs. We are facing a dramatic shift in priorities
13 and jeopardizing the success of college students.
14 Federal grant aid and loans are key components of
15 financial aid for students around the country.

16 However, as the balance between grants and
17 loans continues to slip, excessive loan debt will
18 become a greater hindrance to students attempting to
19 complete in the global economy. We are in a state of
20 graduating an entire generation of educated youth in
21 debt. Education is the backbone to our country, to
22 our society. How can our country expect to stand up
23 in a rapidly evolving and highly competitive global
24 market if we as a country have chosen to deny the most
25 fundamental right to education?

26 We are here today to stand up for access

1 to higher education, to stand up for grant aid now, to
2 stand up for our futures and insure that education is
3 a right instead of investing in the future of our
4 country, the future of our economy, and the future of
5 our success, the federal budget will greatly limit
6 access to higher education for millions of students
7 and families.

8 This is why I'm here, again, today, in
9 solidarity with students from the New England region.

10 As the Commission on the future of higher education,
11 your role is extremely important for the success of
12 students across the country. We hope for your support
13 and to reaffirm the federal role in higher education
14 and to expand grant aid to make loans manageable, and
15 to invest in our nation's future.

16 We are here asking you today to keep the
17 doors of higher education open to all students.

18 Thank you again.

19 (Applause.)

20 MS. OLDHAM: Number 23.

21 MR. ALLEGRA: Excuse my voice. I'm
22 getting over the flu.

23 Good afternoon. I'm Richard Allegra. I'm
24 the Associated Executive Director of the Association
25 on Higher Education and Disability, or AHED.

26 The International Association of College

1 and University Professionals who work with and promote
2 educational opportunities for college students with
3 disabilities.

4 AHED has nearly 2,200 members,
5 representing approximately 1,600 institutions of
6 higher learning in the United States. The
7 unemployment rate of adults with disabilities is
8 regularly reported at 32 percent as compared to 81
9 percent for nondisabled adults. This indicates that
10 we need to do more to facilitate post secondary
11 education for individuals with disabilities so that
12 they, too, are positioned for employment and self-
13 sufficiency.

14 The Department of Education's condition of
15 education 2003 report indicates that nine percent of
16 all college undergraduates identify as having a
17 disability. The majority of these students require
18 various accommodations to fully participate in their
19 academic programs.

20 In addressing the Commission's question on
21 access to higher education, AHED focuses on two key
22 areas: policies on transition to post secondary
23 education and affordability. Too often students with
24 disabilities are missing crucial information as part
25 of their transition planning from high school to
26 college. It is often not until they are admitted to

1 college that they learn the difference in the level of
2 services they will receive.

3 Instead of operating under an entitlement
4 program, such as IDEA, college students need to prove
5 the extent of their disabling conditions and request
6 accommodations themselves under the ADA and Section
7 504 of the Rehab Act. This is usually a shock to
8 them, and they find themselves scrambling to address
9 these requirements, often causing them to fall behind
10 their peers.

11 While ADA in Section 504 obligate colleges
12 and universities to provide academic accommodations,
13 students with disabilities often have additional
14 higher than average medical and equipment costs that
15 they incur. Despite their eligibility for financial
16 aid, disabled students are often left with unmet need
17 due to medical costs. Others are unable to carry a
18 full-time academic course load because of their health
19 conditions, and they are thus ineligible for a number
20 of federal aid packages.

21 AHED believes strongly that we can do
22 better for students with disabilities and post
23 secondary education. We turn your attention to the
24 recommendations outlined in the printed copy of the
25 statement, and AHED appreciates having this
26 opportunity to enter the dialogue on the future of

1 higher education.

2 On behalf of our members and students with
3 disabilities, we ask that the Commission recognize and
4 advocate for this group of under represented students.

5 Thank you.

6 (Applause.)

7 MS. OLDHAM: Number 24, 24. Twenty-five.

8 MS. O'LEARY: Good afternoon. I'm Eileen
9 O'Leary, and I'm the Director of Student Aid and
10 Finance at Stonehill College, and I thank you for
11 providing me the opportunity to present testimony
12 before the Commission.

13 As a financial aid administrator with over
14 20 years' experience working with students and
15 families, I'm at the front lines of the access issue,
16 and I believe that we are approaching the crisis
17 stage. We all understand the financial value of
18 higher education to individuals.

19 What we often fail to acknowledge,
20 however, is that the higher education of its citizens
21 accumulates benefits to our country that are
22 undeniable and even more valuable to the common good.

23 It is these greater societal benefits that create the
24 imperative that government support and encourage its
25 citizens in their pursuit of higher education.

26 Demographic studies show that the college

1 students of the future will be increasingly poor. We
2 cannot afford to ignore these qualified and motivated
3 students allowing them to either opt out of higher
4 education or borrow themselves into unmanageable debt
5 that precludes their ability to have families, buy
6 homes, save for retirement, or opt for those lower
7 paying jobs like teaching, public law, and government
8 service that we so vitally depend upon.

9 Current federal grant programs provide
10 proportionately less for needy students today than
11 they did when initially created. The Pell Grant has
12 not kept up with general inflation, let alone that of
13 higher education.

14 The President's fiscal '07 budget states
15 that the federal government will spend nearly 13
16 billion on Pell Grants assisting approximately 5.2
17 billion students. However, the amount spent on grants
18 is far eclipsed by the monies allocated to leveraging
19 student loan funds in the federal family education
20 loan program, FELP.

21 The loan-grant balance has tipped
22 unfavorably to the side of student loans. My students
23 are feeling this imbalance. They are frightened and
24 unsure of their financial futures. I have seen good
25 students forego college because of the debt levels
26 that they face.

1 However, within this crisis lays an
2 opportunity. The FEEL program provides an intricate
3 and complicated wealth of subsidies, special payments,
4 and incentives to private lenders that are extremely
5 costly to the federal government. As President Bush's
6 2006 budget explained, "the federal government assumes
7 almost all of the risk for the loans while the federal
8 subsidies to intermediaries, lenders and guarantee
9 agencies are set high enough to allow the less
10 efficient ones to generate a profit. These problems
11 lead to unnecessary costs for taxpayers and prevent
12 the program from achieving the efficiencies the market
13 is designed to provide."

14 The alternative federal direct student
15 loan program is significantly less expensive for
16 taxpayers. Yet it's being legislatively and
17 administratively strangled. Corporate interests in
18 FEEL provide a constant barrage of misinformation
19 about direct lending to frighten Congress into
20 distrusting the savings numbers given them by the
21 Government Accountability Office, the Congressional
22 Budget Office, and the Office of Management and
23 Budget.

24 The media reports that these same
25 corporate interests provide significant contributions
26 to the election campaigns and PACs. Using

1 Congressional Budget Office figures, the Center for
2 American Progress states that if direct lending were
3 the single long delivery method for fiscal '07, close
4 to six billion would be saved. This translates into
5 an increase in Pell Grant funding from 13 billion to
6 nearly 20 billion. This loan delivery method changed
7 to 100 percent direct lending alone, would allow an
8 increased Pell funding by 46 percent instead of
9 leaving students with the fifth straight year of level
10 funding.

11 Access requires increased investment in
12 grant assistance. We have a way to do this in
13 difficult financial times without costing taxpayers
14 additional money, but it does take political courage.

15 I urge the Commission to recommend that Congress
16 choose student access over lender profits.

17 Thank you.

18 (Applause.)

19 MS. OLDHAM: Number 26.

20 MR. JAITLEY: My name is Rishi Jaitly, and
21 I'm coordinator of public policy and government
22 affairs for College Summit, a national nonprofit
23 organization based in Washington, D.C. I am also a
24 current trustee of Princeton University and former
25 Commissioner on the New Jersey State Commission on
26 Higher Education..

1 In my few minutes I will give you a brief
2 overview of College Summit and our national program to
3 increase the college enrollment rate of low income
4 students, and I will finish by telling you about a
5 policy initiative we have been leading in Washington
6 with the Secretary's colleagues at the U.S. Department
7 of Education and appropriate members of the U.S. House
8 and Senate.

9 As you work to develop a natural strategy
10 for post secondary education, I believe both will be
11 of interest to you as you think about access.

12 First, College Summit. Two data points
13 frame our work. First getting a lot income student
14 through college is the most cost effective way to end
15 poverty in that family line forever. Among high
16 school seniors students from the low income quartile
17 who score 80s on achievement tests enroll in college
18 at the same rate as the students from the top income
19 quartile who score Ds on achievement tests.

20 So even when the student is aware of
21 higher ed., which occurs at all stages of the
22 education spectrum, prepare for it, which is the core
23 work of K-12, she is not making the actual transition
24 from Grades 12 to 13. America's college transition
25 system is structurally flawed.

26 How big is this problem? More than

1 200,000 students per year. Every year in America more
2 than 200,000 low incomes students graduate from high
3 school ready for college, but do not enroll because
4 college transition in America is close to impossible
5 unless you have the proper guidance.

6 Each year our nation is entering the
7 global economy without 200,000 talented resources.
8 Over one decade more than one million of our nation's
9 best resources are working in the local retail store
10 when they should be making five times that salary in
11 the industry of their choice.

12 While there is much talk about students
13 not staying in high school and failed public school
14 programs, we are neglecting to focus on the students
15 who, despite the challenges of poverty and being first
16 generation Americans, are not only completing high
17 school, but are demonstrating with their grades, test
18 scores, and life experiences that they have what it
19 takes to succeed in college.

20 Our transition systems at the high school
21 level lag behind and deny these talented students a
22 chance to go to college. Reversing this under
23 enrollment should be of critical importance to the
24 U.S. in this increasingly competitive.

25 College Summit works with high school and
26 colleges in seven states across the country to

1 increase the college enrollment rate of low income
2 students. We provide high schools with the tools,
3 curriculum, technology, structure, and training they
4 need to insure that every student that can make it in
5 college makes it to college.

6 We are the only organization in the Untied
7 States concentrating on increasing college enrollment
8 rates among low income students school-wide and multi-
9 state. But in our work we've encountered one huge
10 policy challenge. As we know, in education it is
11 impossible to innovate without data, and today in
12 America no government, educational institution, or
13 non-governmental organization, nonprofit or for
14 profit, can measure actual college enrollment rates of
15 all secondary schools across the country on a regular
16 basis.

17 Until we see this data, we will not know
18 if our high schools are accomplishing one of their
19 major goals, the preparation of students for
20 productive post secondary lives. We are working with
21 policy makers on Capitol Hill and at the U.S.
22 Department of Education to find a way to make this
23 data available. Put simply, in a 2006 America high
24 school principles should know each year how many of
25 their students are enrolling in college. High schools
26 should be a launching pad to productive post secondary

1 life, not an end destination.

2 At another time I'd be happy to go into
3 more detail about our proposal, but for now, I want to
4 thank the Commission again for its time. I truly
5 believe that College Summit's model to increase
6 school-wide college enrollment rates and our policy
7 work to make available college enrollment rate trends
8 by high school should be of utmost interest to the
9 Commission.

10 Thank you for your time.

11 DR. DUDERSTADT: Thank you.

12 MS. OLDHAM: Number 27.

13 MS. BIBEAU: Good afternoon. My name is
14 Jessica Bibeau. I'm here as the co-president of the
15 Higher Education Student Association of the Graduate
16 School of Education at Harvard University.

17 If you ask any student, parent, taxpayer,
18 legislator, or educator what is a higher education,
19 you will receive widely varying answers. This is
20 because institutions serve diverse individual needs,
21 as well as broader national needs. Such returns to
22 higher education, however, differ by person and are
23 thus difficult to measure.

24 Because each institution seeks to fulfill
25 its own unique missions, whether it be to get 70
26 percent of its students to transfer to a four-year

1 school or to enroll a class with high SAT scores or to
2 have a high percentage of graduates obtain jobs, the
3 missions will be as varied as the schools themselves.

4 At times these missions may be in direct conflict.
5 So the question becomes: how do we know if colleges
6 are best serving our private and public interests?

7 This is the part where people usually cry
8 for accountability. We are aware of this growing
9 demand stemming from a concern of taxpayers and
10 legislators regarding the quality of higher education.

11 They want to assure, and rightly so, that their
12 investment is paying off.

13 This resounding voice as well as what
14 we've seen on the K through 12 level is causing those
15 of us in higher education to wonder if we are headed
16 toward a national accountability system, and if this
17 is the case, we have some recommendations for you.

18 In trying to account for the successes and
19 failures of institutions, we must be careful not to
20 oversimplify the standards by which institutions are
21 measured. The ability for each institution to set its
22 own parameters for success is of utmost importance.

23 We agree with Patricia Graham who wrote,
24 "Assuring the presence of effective internal processes
25 through external audit provides the best hope of
26 achieving that balance between autonomy and public

1 responsibility that true accountability requires."

2 We recognize that there may be broad
3 categories that the government ask that all schools
4 can address in their accountability measures, such as
5 inputs, who is going to college, outputs, graduation
6 rates, and process, advising or integrated technology
7 in the classroom. But the onus for deciding
8 acceptable standards for these categories needs to be
9 on a smaller, more local scope.

10 We envision an accountability system where
11 institutions are asked to define and publish their
12 short term strategic plans. This plan should cover
13 the categories of inputs, outputs, and processes, but
14 with an eye toward the mission of the institution.
15 Specifically, the plan should call for definable
16 short-term goals, obtainable measures, and concrete
17 data speaking to these measures. After a given period
18 of time, the external board should look at the data
19 collected on the categories and compare it to the
20 goals that were set by the institution in order to
21 come up with a grade of sorts.

22 These grades should be required to be made
23 public in a user friendly format in language that the
24 average college applicant can understand. It is
25 extremely important that government appropriations are
26 not tied to these grades.

1 The purpose of this accountability system
2 should not be to penalize a one size fits all
3 definition of poor performance, but rather to allow
4 institutions to focus their efforts toward meeting
5 their stated goals and to provide transparency, thus
6 gaining stronger public trust in higher education.

7 Thank you for your time today. We hope
8 that a commitment to higher education will continue to
9 be supported through national and global agencies such
10 as today's Commission.

11 DR. DUDERSTADT: Thank you.

12 MS. OLDHAM: Twenty-eight.

13 MS. SCHMOTTER: Good afternoon. I'm
14 James Schmotter, president of Western Connecticut
15 State University, and I'm here to provide a case study
16 of a successful initiative on our campus that's
17 decreasing cost and increasing access to higher
18 education.

19 In 2002, we recognized approximately 52
20 percent of freshmen at our institution required at
21 least one remedial course at the time of entry.
22 Students' academic progress was being delayed and
23 costs for remedial education was rising.

24 We collaborated to address this with our
25 top two feeder high schools to build a bridge to
26 improve student success. Our goal was to decrease the

1 number of students needing remediation by providing
2 high school students with a clear idea of college
3 expectations.

4 To do this we tested the high school
5 juniors in English and mathematics using our own
6 placement test. In both academic areas individualized
7 feedback was provided to students and teachers so they
8 could identify specific strengths and weaknesses.

9 Secondly, faculty from both our university
10 and the high schools worked together to implement
11 curricular changes for the high school students'
12 senior years, and we continue the testing of the next
13 cohort.

14 The results of this are very promising.
15 For the first cohort of juniors 61 percent tested into
16 remedial English and 62 percent tested into remedial
17 math. After one year of collaboration and change in
18 senior level high school courses, students' placement
19 rates improved dramatically. Only 37 percent needed
20 remediation in English and 41 percent in math, a
21 reduction of 24 percent and 21 percent, respectively.

22 These positive results have continued
23 among high school juniors in the project. The results
24 were juniors test in the second year of the
25 collaboration were vastly improved over the juniors'
26 results the first year. In both math and English a

1 change of almost 20 percent was made prior to the
2 students' senior years.

3 It appears there's a trickle down of the
4 teaching techniques to get these students ready for
5 the college experience.

6 What we believe has made the building the
7 bridge project so successful is the collaborative
8 approach we have taken with our high school
9 colleagues. This was not a top-down lecture from the
10 experts at the university to lower status high school
11 teachers. Rather, it was a genuine collaboration of
12 co-equals with mutual respect going to each other's
13 campuses and facilities. We've come to understand
14 each other's worlds better, and I think that's why the
15 results have been so positive.

16 This program which is, we think, scalable
17 and is now self-sustaining, improves access to higher
18 education, identifying students who need remediation
19 while still in high school and providing the
20 opportunity in their senior years to improve their
21 skills reduces the cost involved in college level
22 remediation and reduces the likelihood that parents
23 will have to pay for courses sometimes more than once
24 that are non-credit bearing.

25 These better prepared students enter the
26 university ready to take full advantage of the

1 opportunities we afford.

2 Thank you for letting me share this story
3 with you.

4 DR. DUDERSTADT: Thank you.

5 MS. OLDHAM: Apparently we missed Number
6 24. So we'll go back and call. Is Number 24 here
7 now?

8 MR. BURSE: Good afternoon. My name is
9 Ron Burse. I'm the chief operating officer at College
10 Solutions Network in Hyannis, Massachusetts, and it is
11 indeed a pleasure to speak to all of you today.

12 In the words of President John F. Kennedy,
13 a free nation can rise no higher than the standard of
14 excellence set in its school and colleges, and I wish
15 the Commission very much success in the years and
16 months ahead.

17 My brief comments today focus on how can
18 we insure that students, families, and the nation and
19 its colleges can afford each other. In order to
20 adequately begin the process of answering this
21 question, there are some fundamental points that need
22 to be reviewed.

23 First of all, business of education is
24 absolutely unique, more so than in any other economic
25 enterprise. It's impossible to adequately value its
26 end product.

1 What price do we put on a life saving drug
2 developed by university trained students at a major
3 research institution? How can we possibly measure the
4 worth of a first generation college graduate lifting
5 their family to a level of security and fulfillment
6 never before imagined?

7 Secondly, there needs to be general
8 knowledge that some things are expensive because of
9 their perceived value while other things are simply
10 because they are worth it.

11 Third, if it's an irresponsible conceit to
12 imagine ourselves qualified to judge value for others,
13 it's equally irresponsible not to provide a framework
14 and the tools that can assist every family
15 contemplating the investment in education to
16 confidently make that choice for their own.

17 At CSN we have created and brought
18 together a variety of companies to prepare students
19 for college success, improve their SAT scores and
20 increase college access and affordability. We're
21 doing our best to deal responsibly with these critical
22 national issues.

23 We speak to thousands of families and
24 students every year. We hear their stories of being
25 unprepared, of not knowing where the money is going to
26 come from and how daunting the process of preparing,

1 applying, and paying for college can actually be.

2 CSN works closely with college and
3 university presidents, enrollment offices and the like
4 to help them help themselves in making sure that they
5 can afford both their schools and their students.

6 All of these things have taught us four
7 things here that I want to talk about very quickly.
8 The first one is a recommendation that we think that
9 schools should be mandated to provide some type of
10 basic investment guidance and develop a reasonable set
11 of objectives, criteria rates for four years, five
12 years, et cetera, the average cost of financial aids
13 after awards or whatever.

14 We need some kind of outcome information,
15 and we applaud what the University of Texas is doing
16 in their model.

17 Number two, we obviously need to do better
18 in terms of fostering additional financial literacy on
19 the part of those making the college investment
20 decision. One of the things you might want to take a
21 look at is requiring colleges and universities to give
22 families tools that can help them develop and compare
23 funding strategies that make the financial aid award
24 process more consultive and open, and at CSN, we're
25 developing a partnership with the American Education
26 Foundation, which is committed to reducing college

1 attrition and expanding access and affordability by
2 offering community education seminars, workshops and
3 financial literacy programs to help families better
4 prepare and pay for college.

5 The alliance operates in nine cities, but
6 similar efforts across the nation are needed, and we
7 urge the Commission to foster a similar partnership
8 building to improve financial literacy across the
9 land.

10 As a member of the alliance, CSN provides
11 education, financing sources in the form of Web tools
12 and education loans to help families better afford
13 college costs, but we also have CSN Financial Services
14 which trains and certifies financial advisors at
15 Lincoln Place and other places.

16 I have left a statement, and I will stop
17 right here. We appreciate your thoughts now. Thank
18 you.

19 DR. DUDERSTADT: Thank you.

20 MS. OLDHAM: Number 29.

21 MS. HART: Good afternoon. My name is
22 Deborah Hart, and I am the Education Coordinator for
23 the Institute for Community Inclusion at UMass-Boston.

24 I thank you for the opportunity to speak
25 with you today on the topic of access to post
26 secondary education for individuals with intellectual

1 disabilities.

2 I'd first like to present some results of
3 a national survey that the institute conducted that
4 identified 110 post secondary education programs that
5 support students with intellectual disabilities. The
6 data I am reporting on is based on 52 respondents of
7 the 110 programs.

8 The programs fell into one of three
9 categories of post secondary education models. The
10 majority were in a mixed or hybrid model, meaning
11 there was a separate program base where students with
12 disabilities were all congregated together, but they
13 were supported if they so choose in taking typical
14 college courses.

15 The second most prevalent model was a
16 substantially separate program that really had nothing
17 top do with the academic side of the college campus or
18 university they were on.

19 The third model that we uncovered was a
20 totally inclusive or individual support model that had
21 no program base and was totally inclusive and
22 supported students with intellectual disabilities to
23 take college courses either through auditing or for
24 credit, but with the necessary supports to be
25 successful.

26 These programs are listed on a Web site

1 that is devoted to the topic of post secondary
2 education for students with intellectual disabilities,
3 and it's called thinkcollege.net. I've given you some
4 propaganda on that.

5 One of the barriers that were identified
6 overall, the majority of the programs identified
7 attitude and low expectations as the most significant
8 barrier to overcome to establishing or gaining access
9 to post secondary education for students with
10 intellectual disabilities.

11 Additional barriers in order of
12 significance were funding, including access to student
13 financial aid for students with disabilities without a
14 high school diploma, transportation and entrance
15 requirements, including the limitations of the ability
16 to benefit tests.

17 Next I will discuss one inclusive post
18 secondary model called the college career connection.

19 It is a dual enrollment model that was funded under
20 the U.S. Department of Education, Office of Special
21 Education Programs from 1998 to 2001, and it
22 specifically looked at supporting students with
23 intellectual disabilities in taking college courses
24 either through auditing or for credit related to their
25 career goal with the necessary supports.

26 And what I'd like to highlight are the

1 study we did on this particular model that looked at
2 the effectiveness of that. We looked at 40 students.

3 It was a matched cohort study that looked at 40
4 students, 20 of whom did not have a post secondary
5 experience and 20 who did, and those that did were
6 much more likely to obtain competitive employment,
7 require fewer supports and earned higher wages.

8 Some recommendations. Exiting high school
9 is an exciting and tense time for all students and
10 their families. When conserving what will happen
11 next, the possibility of college for students with
12 intellectual disabilities is usually not promoted as a
13 viable option, and it needs to be.

14 Keeping college in the mix of
15 possibilities as students with intellectual
16 disabilities explore which steps to take after high
17 school says that we believe in their potential for
18 success.

19 To this end, the following recommendations
20 are two recommendations I'd like to make. Research
21 the effectiveness of current approaches to determine
22 the relative success of each model in assisting with
23 intellectual disabilities in achieving improved post
24 school outcomes, and to strengthen the language in the
25 Individuals with Disabilities' Education Act of 2004
26 to encourage use of IDEA funds to support dual

1 enrollment of students with intellectual disabilities
2 in post secondary education.

3 I've included additional recommendations,
4 but my time is up.

5 DR. DUDERSTADT: Thank you.

6 MS. HART: Thank you.

7 MS. OLDHAM: Number 30.

8 MS. ROACH: Good afternoon. I appreciate
9 this opportunity to speak today on the important topic
10 of post secondary opportunities for students with
11 intellectual disabilities.

12 My name is Jerri Roach. I'm the
13 transition specialist for the Wooster Public Schools.

14 Five years ago we received a federal grant
15 from the Department of Education better enabling us to
16 work with students with intellectual disabilities
17 between the ages of 18 and 22 on planning for their
18 future.

19 Students have individualized schedules and
20 participate in typical post secondary activities, such
21 as working, attending college, studying, enrolling in
22 adult ed., engaging in social and rec. activities just
23 as peers their own age would be doing.

24 One of the major components of a student's
25 schedule is college. We've established a
26 collaborative working relationship with Quinsigamond

1 Community College. We provide educational coaches who
2 assist students in gathering the documentation for
3 accommodations, meeting with disabilities coordinator,
4 registering for classes, arranging placement tests,
5 coordinating billing, and supports in and out of the
6 class.

7 Here is one of my students' stories.
8 Jeremy loves being a college student, the freedom of
9 being on campus, doing what his older brother is
10 doing. He wants to do what kids his own age are
11 doing, and he is. He hangs out in the college
12 cafeteria with friends. He uses the library and the
13 fitness center, and he actually does take class, too.
14 He attends college three days a week and has an
15 internship at a hospital two days.

16 Last semester he took a computer class
17 using his adaptive keyboard. This semester he took a
18 sign language class. By the way, Jeremy is mentally
19 retarded, a non-reader and writer, and is non-verbal.
20 He uses a Dynamite box to communicate along with
21 gestures and some sign language. His professor adapts
22 writing classroom quizzes with pictures and symbols.

23 Jeremy got a 75 on his first quiz.

24 By taking college classes we have seen an
25 increase in student self-esteem, level of
26 independence, social skills, study habits, decision

1 making, self-determination skills, and employability.

2 An individual with a significant disability going in
3 for an interview, he answered on a resume that not
4 only describes the various internships and
5 responsibilities they had, but notes the college
6 courses they completed. This shows a level of
7 experience, knowledge, commitment, and success that
8 many young adults don't have yet.

9 It puts a student with a significant
10 disability in a valued role, something they don't
11 often experience.

12 Some students in the Wooster public
13 schools and the families that have the opportunity to
14 dream and work towards those dreams, dreams not unlike
15 that of their peers. College fund, a good job of
16 interest, career plans, it would be wonderful if more
17 students with intellectual disabilities could have
18 those dreams.

19 My recommendations today, at this point
20 the Wooster public school assumes responsibility for
21 college tuition until the student is 22.
22 Unfortunately at that point many students are not able
23 to afford this and are still interested in college.

24 I ask the Committee to support amending
25 the Higher Education Act to allow students with
26 intellectual disabilities access to financial aid so

1 they continue to live their dreams.

2 I ask the Committee to develop a committee
3 of post secondary and special education and voc.
4 rehab. staff to identify and fund research, training,
5 technical assistance to support transition in post
6 secondary services for students with intellectual
7 disabilities across the country.

8 And I ask for all to get the word out to
9 colleges, to secondary ed., to high schools, that
10 students with intellectual disabilities can succeed in
11 a college environment through sharing example of best
12 practices occurring on campuses across the country.
13 This success benefits us all.

14 Thank you very much.

15 MS. OLDHAM: Number 31.

16 MR. FOLEY: We have 31 and 32 here,
17 combined together. We'll take our time if we can.

18 Mr. Chairman and members of the
19 Commission, thank you for this opportunity to speak
20 today. My name is Jack Foley, and I am Vice President
21 for Government and Community Affairs at Clark
22 University in Wooster, Massachusetts. I am also an
23 elected member of the Wooster School Committee.

24 But today I am honored to speak with you
25 as the proud father of Lindsay Foley, a student at
26 Quinsigamond Community College through the program

1 with Wooster Public Schools.

2 Lindsay is 20 years old and happens to
3 have an intellectual disability. She was included
4 with her peers in middle school and high school, and
5 has now made that natural transition to an inclusive
6 post secondary education with her peers at
7 Quinsigamond rather than remaining in a holding
8 pattern in her high school with students much younger
9 than herself.

10 This next step for Lindsay into the least
11 restrictive environment has provided her with a
12 challenging academic and social setting, just like her
13 peers, where she is actively enjoying daily encounters
14 with people of all ages in her community.

15 Lindsay's enrollment at Quinsigamond has
16 given her the chance to develop a greater sense of
17 independence while she learns the skills necessary to
18 be successful in the work place.

19 She navigates the campus with ease,
20 utilizing the library, the cafeteria, the gym, the
21 track, of course the classrooms, and the supports of
22 the Disabilities Services Department. Lindsay's
23 classroom work is helping her develop the computer
24 skills that represent the beginning of technology
25 based employment, perhaps in data entry or digital
26 storage tasks.

1 This opportunity is being reinforced
2 through her work at Quinsigamond's library and data
3 entry. Technology also plays a crucial role in
4 Lindsay's academic work where she reads a class
5 assignment using Kurzweil reading software and keeps
6 her personal schedule on her palm pilot using voice
7 software.

8 In order for students with intellectual
9 disabilities to participate fully in our society and
10 become essential members of this country's work force,
11 we must be sure that they have the academic,
12 technical, and social skills to be successful.

13 It is imperative that the United States
14 Department of Education take a leading role in
15 encouraging and supporting the development of strong,
16 meaningful transition and post secondary programs for
17 students with intellectual disabilities.

18 As we are making great progress with
19 inclusive settings in the K through 12 educational
20 world, there is much more still to be accomplished in
21 post second education. Access to higher education is
22 the first step in opening that door for all students
23 to be successful.

24 Please consider including language in the
25 IDEA 2004 regulations that school districts can use
26 their IDEA funds in support of these options. A

1 blending of vocational rehabilitation dollars and IDEA
2 funds could make all of the difference for Lindsay and
3 her fellow students as they strive for economic self-
4 sufficiency and independence.

5 Thank you.

6 DR. DUDERSTADT: Thank you.

7 MR. FOLEY: If I could begin Number 32 if
8 I could.

9 MS. OLDHAM: Sure.

10 MR. FOLEY: And I'm going to actually ask
11 Lindsay to give a sense of some of her experiences at
12 Quinsigamond prompted by some of my questions if you
13 can.

14 Would you state your name, please?

15 MS. FOLEY: I'm Lindsay Foley.

16 MR. FOLEY: And where did you go to high
17 school?

18 MS. FOLEY: Dougherty.

19 MR. FOLEY: At Dougherty High School, and
20 what city is Dougherty in?

21 MS. FOLEY: Wooster.

22 MR. FOLEY: Wooster, the great City of
23 Wooster, and where do you go to college now?

24 MS. FOLEY: QCC.

25 MR. FOLEY: And what is QCC? Is that
26 Quinsigamond?

1 MS. FOLEY: Yeah.

2 MR. FOLEY: How many sweatshirts and
3 teeshirts do you have that says Quinsigamond right now
4 at home?

5 MS. FOLEY: Eight.

6 MR. FOLEY: Eight.

7 (Laughter.)

8 MR. FOLEY: Do you have friends that
9 followed you to Quinsigamond from Dougherty?

10 MS. FOLEY: Yep.

11 MR. FOLEY: How about other high schools
12 as well?

13 MS. FOLEY: Yes.

14 MR. FOLEY: Such as where? Can't
15 remember? So you have kids from all over the city and
16 all over the other area?

17 MS. FOLEY: Yeah.

18 MR. FOLEY: What do you like about going
19 to college? Right here. What do you like?

20 MS. FOLEY: The track.

21 MR. FOLEY: Track.

22 MS. FOLEY: And the campus.

23 MR. FOLEY: Better than your father,
24 right?

25 What about some of the courses that you're
26 taking at Quinsigamond?

1 MS. FOLEY: Computers.

2 MR. FOLEY: Computers, and what are you
3 working on in computers right now? What's that
4 called?

5 MS. FOLEY: Typing.

6 MR. FOLEY: Typing and some of the data
7 entry?

8 MS. FOLEY: Yeah.

9 MR. FOLEY: Okay. How do you read your
10 class notes and the newspaper?

11 MS. FOLEY: Kurzweil.

12 MR. FOLEY: Kurzweil. Reading software,
13 right?

14 MS. FOLEY: Yeah.

15 MR. FOLEY: What other activities do you
16 participate in while you're on campus? What do you do
17 when you're there at Quinsigamond?

18 MS. FOLEY: The library.

19 MR. FOLEY: The library?

20 MS. FOLEY: Yeah.

21 MR. FOLEY: What else?

22 MS. FOLEY: Walking the track.

23 MR. FOLEY: Walking the track. What else
24 do you do?

25 MS. FOLEY: That's --

26 MR. FOLEY: What's that there? What do

1 you eat?

2 MS. FOLEY: Cafeteria.

3 MR. FOLEY: And who do you hang out with
4 in the cafeteria?

5 MS. FOLEY: My friends.

6 MR. FOLEY: Like all college kids, right?

7 MS. FOLEY: yeah.

8 MR. FOLEY: And the last couple of
9 questions. Where do you work now?

10 MS. FOLEY: At the Y.

11 MR. FOLEY: At the Y, and what do you do
12 at the Y?

13 MS. FOLEY: Scan cards and greet members.

14 MR. FOLEY: Scan the cards and greet the
15 members as they come in, right?

16 MS. FOLEY: Yep.

17 MR. FOLEY: And finally, Lindsay, at your
18 graduation from high school when your friends were
19 asking you what your plans were for next year --

20 MS. FOLEY: Yeah.

21 MR. FOLEY: -- what did you tell them?

22 MS. FOLEY: I'm going to QCC.

23 MR. FOLEY: I'm going to QCC.

24 A very powerful message for all the
25 students just to be able to tell their friends that
26 they're going to college as well.

1 Thank you very much.

2 MS. FOLEY: Thank you.

3 DR. DUDERSTADT: Thank you.

4 (Applause.)

5 MS. OLDHAM: Thirty-three.

6 MS. SHEA: Good afternoon. My name is
7 Suzanne Shea, and I am president of the Massachusetts
8 Downs Syndrome Congress, and I'm representing here
9 today our statewide organization as well as the two
10 national organizations, the National Downs Syndrome
11 Congress and the National Downs Syndrome Society.
12 Together we represent over 350 families across
13 America. Our impact is broad.

14 Our children and young adults with Down's
15 Syndrome want to grow up to live independently, to
16 work in an inclusive environment with competitive pay,
17 and to have friends and neighbors and contribute to
18 their community.

19 To accomplish these goals, we need to have
20 the best education possible with the opportunity to
21 obtain college and to attend as their brothers and
22 sisters do. Students with Down Syndrome have made a
23 significant progress in education due to the impact of
24 IDEA. A generation ago many children with
25 intellectual disabilities were not even allowed to
26 attend school. Today that bar has been raised.

1 I'd like to introduce my daughter,
2 Caroline. She's ten years old, attending our
3 neighborhood elementary school in the third grade.
4 She's following the Mass State curriculum guidelines
5 for every subject. For example, she just completed a
6 science unit on the solar system, a project on Venus,
7 and participated in a class play in the role of earth.

8 Right? Plant earth. Yeah.

9 Attached to my written testimony, please
10 find a letter from Caroline.

11 I request that the Commission consider
12 recommending the following:

13 To clarify in the Individuals with
14 Disability Act regulations that is permissible for
15 school districts to use IDEA funds to support
16 transition services on college campuses and dual
17 enrollment in college programs for students that are
18 still eligible for services.

19 To clarify in the Department of Education
20 guidance that it is permissible to use vocational
21 rehabilitation funds to support students in post
22 secondary programs for students with intellectual
23 disabilities.

24 To create a coordinating committee within
25 the U.S. Department of Education, that includes the
26 Institute of Education Sciences, Office of Post

1 Secondary Education, and Office of Vocation Adult
2 Education, to identify and fund research training,
3 technical assistance and outreach and to support
4 amending the higher education act to allow students
5 with intellectual disabilities to access student
6 financial aid, including loans, grants, and work study
7 funds.

8 Based on my experience with the Mass
9 Down's Syndrome Congress, I have seen how our
10 organization has made education a critical element of
11 our mission and goals. Again, the bar has been
12 raised.

13 Having started as a grassroots group 23
14 years ago, the focus is continuing on improving and
15 evolving. Each year there are more high school
16 students who have intellectual disabilities who are
17 ready to transition to post secondary education. We
18 need to make sure that these transitions happen and
19 are successful.

20 These students need the support of IDEA
21 funds to help transition services, access to student
22 aid, and access to loans, grant, and work studies.
23 These students need more opportunity to participate in
24 the model degree and certificate programs. By
25 implementing the above recommendations, the
26 opportunity will be realized, and the next generation

1 of students will raise that bar even higher.

2 Thank you very much.

3 MS. OLDHAM: Thank you.

4 (Applause.)

5 MS. OLDHAM: Number 34.

6 MR. DeFELICE: Good afternoon. I am
7 Jonathan DeFelice and the President of St. Anselm
8 College in Manchester, New Hampshire, and I'm
9 delighted to be here today on behalf not only of
10 myself, but of the National Association of Independent
11 Colleges and Universities, which represents nearly
12 1,000 independent colleges and universities across the
13 country of just about every type.

14 My testimony is coming to you in print.
15 It has been sent electronically already. So I'm not
16 going to read it to you. I do thought want to comment
17 on some of the things that were talked about this
18 morning by my distinguished colleagues, who
19 unfortunately there were none who represented the sort
20 of mid-range liberal arts colleges of the type many of
21 which belong to NAICU.

22 As you saw today, the tapestry of higher
23 education is rich and colorful and complex, and I
24 would ask that you keep that complexity in mind as you
25 think about why students choose particular
26 institutions and how they are accountable.

1 There is, it seems to me, room certainly
2 for appropriate accountability for every institution,
3 but there are reasons why institutions were founded
4 and why people continue to choose certain kinds of
5 institutions, particularly in the independent sector
6 of higher education.

7 We need to be accountable to our various
8 constituents and want to be. We want to be
9 accountable to the public, and we think that
10 accreditation works. One of the things that I've done
11 in the years that I've been president is had the
12 marvelous experience of serving as a Commissioner on
13 the New England Association where I experienced the
14 work that is involved in an institution seeking to
15 continually improve itself.

16 I think that if we look for uniform
17 benchmarks or finite sets of measures against which
18 all institutions can be judged, we will lose the
19 beauty of the tapestry. There is no doubt in my mind
20 that we need to focus on institutional mission as we
21 look at that because if you look at a liberal arts
22 college, it isn't so much about earning as it is about
23 learning, and our institutions are not simply gateways
24 into employment but are there to help develop
25 intellectual taste of our students hopefully and to
26 prepare them for life and to give them the skills for

1 jobs that may not even exist today.

2 And I think certainly all of us if we look
3 back at least the last 30 years and see what has
4 happened, we know that there will be plenty more jobs
5 yet ahead that don't even exist today.

6 I'd like to say a word against the student
7 unit record. I think equating security of data with
8 privacy is a mistake, and I think we should, as I say,
9 stay away from that because I don't think we all fully
10 understand what this data could be used for.

11 Is that the end or is that a signal for --

12 MS. OLDHAM: You can wrap it up.

13 MR. DeFELICE: Okay. Just one last very
14 quick point to say that I think federal investment in
15 terms of financial aid for students in both public and
16 private institutions is something that the country
17 needs desperately to increase not simply for the good
18 of the students but really for our democracy if we're
19 going to continue it.

20 Thank you.

21 (Applause.)

22 MS. OLDHAM: Number 35.

23 MR. DOHERTY: Good afternoon and welcome
24 to Boston. For the record, my name is Richard
25 Doherty, and I serve as the president of the
26 Association of Independent Colleges and Universities

1 in Massachusetts, NAICUM, and Massachusetts, as you
2 may know, is the only state in the nation in which
3 more students are educated in independent colleges and
4 universities than in our public institutions. And, in
5 fact, our independent colleges here award more than 70
6 percent of our Bachelor's degrees and more than 85
7 percent of our graduate and professional degrees. And
8 we are justifiably proud of this unique contribution,
9 and our 55 member institutions, as was articulated by
10 the previous speaker, really span the full spectrum of
11 schools from renown research universities, nationally
12 recognized liberal arts colleges, faith based
13 institutions, and specialty colleges focusing on the
14 music, the arts, business, engineering, and other
15 critically important disciplines to our economy.

16 From the perspective of the independent
17 colleges in Massachusetts, I would like to underscore
18 comments made earlier this morning about how concerned
19 we are with the overall retreat in funding from both
20 the federal government and from our own state
21 government need based financial aid programs.

22 If we want to send a message to the
23 brightest, most talented students no matter their
24 financial status, that the outstanding colleges and
25 universities at this stage in this country are
26 accessible and affordable to them, and our public

1 policies and student aid programs must reflect that
2 priority and that commitment.

3 We are also deeply concerned with the
4 rising loan indebtedness, which the students before me
5 so articulately stated, and some of that loan
6 indebtedness is hidden loan indebtedness. It's in the
7 form of home equity loans and things that don't show
8 up on public databases, and it is something that I am
9 hearing more and more frequently from presidents and
10 student financial aid directors at our colleges and
11 universities.

12 I'm also concerned that our country's
13 relevant stagnant rate of persistence on to college
14 reveals that the current policies at the federal
15 level, in particular, do not reflect the commitment to
16 accessibility and affordability that I think we all
17 espouse, and we urge the Commission to use its
18 influence to reset those national priorities.

19 NAICUM colleges are doing everything in
20 their power to remain true to the ideal of
21 accessibility and affordability. We sponsor a
22 terrific early awareness to college program, which was
23 touted earlier as something critically important, and
24 last year alone our member colleges and universities
25 awarded well over \$275 million in institutional need
26 based aid. That's nearly ten times the amount of

1 state financial aid to Massachusetts students
2 attending our institutions, to Mass. residents
3 attending Massachusetts independent colleges.

4 But that increasing level of support is
5 not sustainable in the long run and does not fully
6 fill the widening gap between the real cost of college
7 and the declining levels of federal and state grant
8 aid.

9 I in my written comments also have some
10 comments on the issues around accountability, and one
11 thing that I just wanted to mention. Commissioner
12 Nunley, you had asked the question earlier this
13 morning if the case for higher education is so strong,
14 why isn't the support there, and I think that that is
15 a challenge really to all of us that have testified
16 today and to the Commission, that we need to make the
17 case better that higher education is not a private
18 good. It is a public good, and that the investment in
19 student financial aid and programs that support people
20 through higher education are, in fact, investments pay
21 handsome dividends and pay back the public support
22 that we've brought to the -- and payback that the
23 public support that we're making in these programs.

24 Thank you very much.

25 MS. OLDHAM: Number 36.

26 MR. SHARMA: Good afternoon. I'm Mahesh

1 Sharma, president of Cambridge College.

2 It is very important to realize the role
3 of this Commission at this junction in higher
4 education. When we look at the history of higher
5 education, there are three junctions where it has
6 reformed, reshaped the higher education: the G.I.
7 Bill, the community colleges, National Science
8 Foundation formation, and today, this Commission.

9 The three Commissions before you, they
10 have done the expansion of higher education to new
11 populations, new groups. And I think you are also in
12 the same role that you have to look at your role from
13 the expansion of higher education opportunities to yet
14 new groups.

15 And those new groups I want to identify
16 students of Cambridge College as an example.

17 Cambridge College is an institution for working adult.

18 The average age is 41 years old, and we have three
19 graduate schools, School of Management, School of
20 Education, School of Psychology, and undergraduate
21 school.

22 These students represent four groups:
23 poor white, African Americans and Hispanics, displaced
24 workers because of the changing economy, and new
25 immigrants.

26 This Commission has to look at not just

1 all the students who are facing difficulties, but
2 these new groups, and these new groups have special
3 problems. Access to higher education has been achieved
4 by higher education institutions and by federal grants
5 and state grants to a great extent, but that access is
6 being now eroded. It is being eroded by financial
7 constraints on students. It is being eroded by the
8 old laws which are not in favor of working adults
9 because when you look at the financial aid their
10 income is included as a benchmark for deciding their
11 financial aid.

12 These working adults, they are joining
13 higher education after ten, 15 years of working.
14 Their academic skills are not at the level that they
15 can take real advantage of higher education. They do
16 need some developmental work, remedial work and
17 preparation for higher education.

18 The new immigrants, they face even more
19 challenges: English as a second language,
20 acculturation, and introduction to technology.
21 Institutions of higher education have to keep that in
22 account.

23 I'm also looking at American higher
24 education from the perspective of a person who was
25 educated outside of the United States. Many data say
26 that China is training 400,000 engineers, India

1 200,000, and United States only 70,000. But those
2 200,000 and 400,000 are not being trained by the money
3 of individual students. They are by the government.

4 When you want to make a shift in higher
5 education, then a GI Bill committed \$5 million to
6 start with; NSF, same kind of bold statement has to be
7 taken by this Commission to expend and also face the
8 globalization impact on higher education in America.

9 Two side points. Retention is a major
10 problem today for working adults. They move. Their
11 preparation for higher education is not adequate. If
12 we want to keep more students in college, then we need
13 to provide for these services which we have
14 identified.

15 Now, the single identity data is not just
16 going to help to track students, but it will also
17 track the work of those students. If MasterCard can
18 track all the purchases in the country, why can't we
19 have a single identity and tracking of their work,
20 learning activities, and others?

21 Similarly, one more point, and that is the
22 banks have broken the barriers of states, interstate
23 commerce. Why can't higher education can also be in
24 the same situation? That means that universities must
25 go and find the loci and the groups of students and
26 provide that service rather than footed by the states

1 and by local conditions.

2 We should keep the accreditation by the
3 voluntary basis, and the government must keep only the
4 access.

5 Thank you very much.

6 DR. DUDERSTADT: Thank you.

7 MS. OLDHAM: Number 38.

8 MR. SLOAN: First I'd like to know how
9 come the tourist folks upstairs get tote bags and we
10 don't.

11 (Laughter.)

12 MR. SLOAN: But don't count my joke
13 against my three minutes.

14 My name is Wick Sloan. I'm here as a
15 citizen with the simple belief that everyone in the
16 nation deserves an education as good as the one I
17 have. My perspective is to speak for the people who
18 are just as bright as me who aren't in college and may
19 never get there.

20 In three minutes there's not much to do,
21 but I've done hard time as a state university chief
22 financial officer and gotten some stuff done. I've
23 done four years on a public school board of education,
24 and I've sat on your side of the table in public
25 hearings, and the mileage and time all of you are
26 putting in here is impressive.

1 Two quick ones first. If you do nothing
2 else, there's no greater barrier to access in higher
3 education in America than the FASFA form. We have so
4 many hard challenges ahead of us. Let's pick off an
5 easy one. There is nothing more intimidating to a
6 poor student or a poor family than that form.

7 Certainly IBM and their designers can get
8 some normal people together and figure out how to make
9 that less intimidating.

10 One false move on the FASFA form can
11 change your award by \$100, which is life or death.

12 Second, I urge you in the private sector
13 not to believe the fox in the henhouse stuff this
14 morning about the inevitable higher cost of higher
15 education. I've been on both sides of the coin.
16 There's no greater higher education issue than that it
17 takes four years. That is from the 14th Century, the
18 University of Bologna when the pedagogical constraint
19 was the scarcity of books. There is no reason, not
20 one, and the life expectancy was half of what it is
21 now.

22 A piece of that that I urge you to study
23 is the miracle happening in pedagogy in the community
24 colleges. There is more learning going on in
25 community colleges in a week than in a semester at any
26 of my schools, which are Williams and Yale. It's a

1 miracle, and it needs to be studied and codified and
2 celebrated.

3 But I challenge my schools to teach half
4 as much in twice the time.

5 Now, I urge you in my fast talking to take
6 a hard look at our current national policy of higher
7 education, the one we backed into. Our policy is that
8 we ignore the poor. Our national policy is to believe
9 that the founders who didn't mention education in the
10 constitution left higher education to the states. We
11 let Medicare kick the poor out in state schools, and
12 we wring our hands about appropriations and budgets,
13 while ignoring the tax policy deals that are happening
14 out the back door.

15 And I'll illustrate by picking on my
16 schools, Williams and Yale, because they can take it.

17 The implied federal tax subsidy by a tax
18 policy at my schools is 25 to \$35,000 per student. As
19 you know, Chairman Nunley, this is two or three times
20 the cost of a student at a community college or about
21 five Pell Grants. I'm doing this by taking the
22 untaxed endowment income of those schools and the
23 foregone tax revenue from their tax deductible
24 donations, divide that number by the number of
25 students, and there you have it.

26 And as you know from your own financial

1 work, you can make any assumptions in a hypothesis
2 like this, but you cannot assume a low number. Our
3 national policy then is that the indoor gold driving
4 nets at Williams College are worth more to the nation
5 than the Pell Grants are for the students at community
6 colleges.

7 Now, my challenge to all of you is you
8 have a bully pulpit, which is our bully pulpit, and
9 what's it going to be? Pell Grants or golf nets?

10 (Applause.)

11 MS. OLDHAM: Number 39, 39. How about 40?
12 Forty-one? Forty-two.

13 MS. GANZ: I want to thank you for giving
14 us the opportunity to speak today. My name is Laurie
15 Ganz. I am the national co-chair for the Campus and
16 Higher Education Affairs Division of the Anti-
17 Defamation League of the B'nai B'rith. With me is
18 Robert Trestan, ADL's eastern states civil rights
19 counsel, and we're delighted to have the opportunity
20 to speak today.

21 The Anti-Defamation League is one of the
22 nation's oldest civil rights organizations, founded in
23 1913 to combat anti-Semitism and to advance the
24 goodwill and mutual understanding among Americans of
25 all creeds and races, and to combat all forms of
26 prejudice in the United States and abroad.

1 In this increasingly competitive and
2 diverse world. it's essential that our universities
3 and colleges provide students with an educational
4 environment that is conducive to learning and one
5 which respects the vastness and diversity of the
6 global community.

7 Yet sadly we see that more and more
8 students are feeling marginalized because of immutable
9 characteristics, such as race, national origin, sexual
10 orientation, disability, and/or religion.

11 I'd like to take a few moments to address
12 three priorities which we hope that the Commission
13 will consider in moving forward. The first is anti-
14 Semitism and other bias or hate related incidents on
15 campus.

16 The annual ADL audit of anti-Semitic
17 incidents has documented acts of anti-Semitism across
18 the country since 1979. Reported incidents on campus
19 have increased dramatically over the past 20 years,
20 and still the majority of hate crimes and anti-Semitic
21 incidents go unreported.

22 Anti-Semitism is just one example of the
23 increasing problem we see with biased incidents in our
24 university and college campuses. Our experience has
25 shown that the effectiveness of well designed
26 diversity, training, and education programs makes a

1 big difference.

2 ADL's A World of Difference Institute
3 provides anti-bias education and training on college
4 and university campuses through a Campus of
5 Difference. The program helps participants increase
6 their self-awareness, strengthen their community, and
7 celebrate diversity.

8 We urge the Commission to embrace such and
9 similar proactive programs to combat bias and
10 discrimination as part of an integrated response to
11 increasing trends of intolerance on campus.

12 Secondly, we seek to improve access to
13 higher education for undocumented immigrants. We're
14 concerned about the future of students brought here as
15 children and educated here, but who face barriers to
16 higher education and the accompanying opportunity to
17 become integrated, contributing members of their
18 communities.

19 In keeping with our democratic principles
20 and our commitment to a just and inclusive society,
21 ADL believes that these individuals should be offered
22 greater access to a bright future. We encourage the
23 Commission to help the children of immigrants to
24 achieve their goals by working to remove or reduce the
25 insurmountable obstacles that currently lay before
26 them.

1 Lastly, we're asking your assistance in
2 addressing notable gaps in hate crimes reporting on
3 campus. Every year thousands of college students are
4 the victims of bias motivated slurs, vandalism,
5 threats, and physical assaults. In 1998, to increase
6 awareness of hate violence on college campuses,
7 Congress enacted an amendment to the Higher Education
8 Act requiring all colleges and universities to collect
9 and report hate crime statistics to the Office of Post
10 Secondary Education of the Department of Education.

11 Under the current rules, colleges must
12 report only those bias related crimes involving bodily
13 injury, for all intents and purposes, ignoring the
14 array of other destructive and disruptive forms of
15 bigotry and intolerance. The Department of
16 Education's hate crimes categories do not conform to
17 those utilized by the FBI since 1991 under the Hate
18 Crimes Statistics Act and, in fact, reflects
19 substantial under reporting.

20 Even worse, the limited available data
21 directly conflicts with campus hate crime information
22 collected by the FBI under HCSA.

23 A review of the department's reporting
24 requirements is necessary to insure the consistent
25 reporting of hate crimes between the two agencies.
26 We're providing among our written material additional

1 documentation to support this point.

2 We urge the Commission to take all
3 necessary steps to eliminate discrepancies and federal
4 hate crime data collection efforts which currently
5 provide limited, confusing, and even contradictory
6 data.

7 Let me conclude by thank you and
8 applauding the important work that you've undertaken.

9 MS. OLDHAM: Forty-four, 44? Forty-five.

10 MR. DAVIDS: Hello. My name is John
11 Davids, and I'm a graduating senior at Salem State
12 College.

13 I'm concerned with the affordability and
14 accessibility of higher education. In his State of
15 the Union address, President Bush said, "To make our
16 economy stronger and more dynamic, we must prepare a
17 rising generation to fill the jobs of the 21st
18 Century." He went on to say, "And we'll make it
19 easier for Americans to afford a college education by
20 increasing the size of Pell Grants."

21 Students are still waiting for a break in
22 what is now a five-year freeze on the maximum Pell
23 Grant awards. With inflation and the skyrocketing
24 cost of going to college, Pell Grants are now worth
25 half of what they were 30 years ago.

26 More and more students are now turning to

1 loans, and recent increases to student loan interest
2 rates will put students in so much debt when they
3 leave college that instead of seeing opportunity, they
4 will see shackles. These shackles undermine the
5 American dream. Instead of having options to start a
6 family, buy a house, or continue your education, the
7 latter of which is key to the jobs President Bush is
8 talking about, they will have to sell their dreams,
9 including often occupational ones, just to manage
10 their daunting student debt.

11 This is not the future I want for America,
12 and I sincerely hope that the Commission recommends
13 funding for Pell Grants and other grant aid to be
14 increased, as well as restoring interest rates back to
15 reasonable levels.

16 Thank you for your time and consideration.

17 DR. DUDERSTADT: Thank you.

18 MS. OLDHAM: Sixty-two. Sixty-three.

19 MR. DENNEHY: Good afternoon. My name is
20 Michael Dennehy. I direct the Upward Bound Program at
21 Boston University, and I also represent the New
22 England Educational Opportunity Association, and I'd
23 like to talk today about the role of the federally
24 funded TRIO programs, which target low income, first
25 generation college students, and the role these
26 programs play in the area of college access, and I'd

1 also like to provide specific examples from my work
2 with Upward Bound at Boston University.

3 As our earlier speakers have illustrated,
4 equal opportunity for college access is a great
5 concern. One of the speakers earlier today had
6 mentioned the fact that high achieving, low income
7 students were attended college at about the same rate
8 as low achieving, high income students, and I think
9 that pretty poignantly speaks to the issue of
10 affordability around the already mentioned issues of
11 the Pell, the shift from need based state to merit
12 based state.

13 I'd like to spend a minute talking about
14 academic preparation in addition to those issues of
15 financial need, and particularly the role that the
16 Upward Bound program plays in academic preparation for
17 students.

18 In Massachusetts, upward bound programs
19 have had great success in helping program participants
20 meet state graduation requirements as mandated by the
21 Massachusetts Education Reform Act, which predates and
22 in part serves as the role model for No Child Left
23 Behind.

24 At Boston University's program, we target
25 participants who failed middle school state
26 assessments or who had entry GPAs below 2.5. In fact,

1 55 percent of our entering class of 2005 met the
2 Department of Education's definition of academically
3 at risk. These are students who would probably not be
4 going on to college with these test scores and GPAs.

5 From this cohort, the students are entered
6 in our program as high school freshmen, with graduate
7 a date of 2005. Eighty percent of this cohort went on
8 to post secondary institutions by September, and 96
9 percent of program completed entered a college by
10 September 2005.

11 Sixty percent of this cohort and 68
12 percent of programs completers took at least one
13 advanced placement course at their high schools. A
14 cornerstone of college access is academic achievement
15 and Upward Bound works to develop the skills students
16 will need to succeed in college.

17 The success is not unique to the program
18 at Boston University. TRIO programs have a broad
19 reach. Nationally nearly one-third of all high school
20 seniors from low income families who enter college do
21 so each year with the assistance of pre-college TRIO
22 programs, Upward Bound and Talent Search.

23 Accountability is a critical component in
24 assessing the effectiveness of higher education.
25 Programs that help prepare students to enter and
26 succeed in college should be evaluated based upon the

1 rate at which program participants matriculate at and
2 graduate from college.

3 TRIO programs track such outcomes and
4 document their success each year in annual performance
5 reports submitted to the United States Department of
6 Education. Some recent outcomes from Upward Bound at
7 Boston University show that the high school class of
8 2005, 72 percent of project completers earn a
9 Bachelor's degree, and for our graduating class of
10 2001, 62 percent have earned a Bachelor's degree to
11 date and 38 percent are still enrolled.

12 These completion rates are significantly
13 higher than the four-year national average of 34
14 percent and the national six-year average of 56
15 percent. The availability of ignore academic
16 preparation and information about college choices are
17 key elements in making college accessible to all
18 Americans.

19 To this end the federally funded TRIO
20 programs are an important resource for low income and
21 first generation college students.

22 Thank you.

23 DR. DUDERSTADT: Thank you.

24 MS. OLDHAM: Number 70. Seventy-two --
25 oh, I apologize. You weren't on here. Come on up.

26 MS. SCHOEN: Good afternoon. Liz

1 Hollander, who is the Executive Director of Campus
2 Compact asked me to come speak to you today as a
3 student who embodies the ideals of Campus Compact.

4 My name is Katie Schoen. I'm a senior at
5 Providence College, a small, liberal arts college in
6 Providence, Rhode Island. Today I'm here speaking as
7 a student, as a member of the Providence community,
8 and as a spokesperson for Campus Compact.

9 One of the things that brought me to
10 Providence College was the public and community
11 service major. This major incorporates service
12 learning into all aspects of an academic curriculum.
13 Service learning combines community service with
14 academic readings and discussion.

15 Through reflection on my service, I was
16 able to more fully understand that which we were
17 exploring within the classroom. I have been fortunate
18 enough to participate at a diverse number of local
19 service sites, including an AIDS prevention agency, an
20 LGBTQQ Support Center, numerous local schools and
21 libraries, shelters for victims of domestic violence,
22 homeless shelters, and centers dealing with substance
23 abuse.

24 All of these experiences have greatly
25 shaped my academic career by showing me real society
26 rather than a lofty deed from the ivory tower. These

1 various events have also helped to strongly root me in
2 the community. I feel a personal connection with many
3 of those with whom I have worked, and this connection
4 is so strong that I plan to stay in Providence after I
5 graduate in May.

6 I'm an example of how service learning
7 reduces the brain drain. Because I have interacted
8 with the community I am now part of it, and I want to
9 be in providence after May.

10 Civic engagement trains students to
11 improve their ability to lead, to interact with
12 others, to problem solve and to become committed. It
13 is also the responsibility of universities to train
14 leaders who are prepared to deal with the complex
15 economic and social problems that plague many of the
16 stations' communities, providing these leaders with
17 the tools, skills, and abilities and dedication that
18 they need to tackle these difficult problems.

19 Providence College is a part of a larger
20 coalition called Campus Compact. Campus Compact is a
21 national nonprofit organization that seeks to promote
22 public service, civic engagement, and service learning
23 in higher education. It is a coalition comprised of
24 nearly 1,000 colleges and universities and more than
25 five million students.

26 Campus Compact offers resources for many

1 of these universities to develop and maintain a
2 service learning component to their education. It
3 provides research, advocacy, leadership development,
4 partnerships and training to all of its students and
5 universities.

6 Campus Compact is seeking to assist in the
7 development of the students to become active citizens
8 and contribute to society. I hope that the Commission
9 will publicly recognize the importance of educating
10 students for social responsibility and will support
11 investments in service learning, such as Learn and
12 Service America, service scholarships, and loan
13 forgiveness for students who pursue careers in public
14 service.

15 I would like to close with a quote from
16 John Dewey. "Democracy needs to be reborn in every
17 generation and education is its midwife."

18 Thank you.

19 DR. DUDERSTADT: Thank you.

20 MS. OLDHAM: Seventy. Seventy-two.
21 Seventy-three.

22 MR. MARTH: This feels a little bit like
23 working at the deli counter with all of the numbers.

24 (Laughter.)

25 MR. MARTH: Did you want fries with that?

26 (Laughter.)

1 MR. MARTH: Well, members of the
2 Commission, thank you for your time at this time. My
3 name is Edward Marth. I live in Rhode Island. I was
4 raised in Massachusetts, went to State College in
5 Massachusetts, UMass, Rutgers. I work at the
6 University of Connecticut where my job is to represent
7 the faculty, but I also spend time in my community
8 raising money, and we award scholarships on a need
9 base because we graduated from high school to go on to
10 the college of their choice.

11 I feel strongly about this issue that
12 you're dealing with here today. I knew several years
13 ago and had reason occasionally to meet with Senator
14 Clayborn Pell, and he would always carry a three-by-
15 five card around with him where he would pull it out
16 and tell you how many students had benefitted from the
17 Pell Grants.

18 I suspect that if the policy makers in
19 Washington from the President on down today had a
20 similar card, it would have an F on it for failure.

21 The national debt is reported recently to
22 now be about \$30,000 for every man, women and child in
23 the United States, and it grows by the minute as we
24 gather here. It's reported that we have a resilient
25 economy, but it grows more fragile as the debt grows
26 since debt is supported less by Americans than by

1 Chinese and others who compete with this country
2 economically. We are dependent on oil, cheap goods
3 from abroad, Minonet (phonetic) services from Middle
4 East tools, cars from Asia. We're a country that
5 cannot afford to compete with the cheapest labor daily
6 crossing the border or assembling technological goods
7 in distant lands.

8 At the same time, employment costs are
9 relentlessly driven down here and 40-plus million
10 people live without health care because they can't
11 afford. The economic trajectory is not good for the
12 economic bottom half of America's population and
13 worrisome for those of us in the middle.

14 The only dependable investment that
15 society can make to insure that our future is as good
16 as was our past is in education. It is as true now as
17 it was when President Lincoln signed the Morrill Act in
18 the throes of the Civil War. Leaders then knew that
19 the struggling country would have to have people
20 trained in the agricultural and mechanical arts. The
21 thrust of that milestone legislation.

22 The story GI Bill remade America in the
23 transition from a warring economy to the powerhouse
24 years of the '50s and '60s.

25 Today as the country lurches toward the
26 death of such magnitude that few can imagine such red

1 ink, the government budget proposing cutting 42
2 programs and the Education Department of the college
3 loan and grant programs are being cut back or
4 eliminated, or made more expensive a proposed
5 reduction of nearly six billion.

6 We would spend that money to eliminate one
7 known terrorist cells in a heartbeat. No question.
8 The maximum Pell Grant would remain at \$4,050 for the
9 fifth year in a row, but the overall amount would be
10 reduced by 2.3 percent.

11 That's scandalous. The loans would
12 increase slightly and perhaps to coincide with the
13 change in laws make it harder to declare bankruptcy
14 for individuals, but corporate America thumbs its nose
15 at government fines and shifts pension and other
16 obligations to the government. This is not a picture
17 to build optimism that this country will have the
18 brain power to compete in the new technological world
19 economy or the ability to even manage an economy
20 slipping away from our shores.

21 It's almost done, but I'll try to end it
22 up there with the debt for college is a good
23 investment, but it is money not available for housing
24 and health care for the newly graduated or the newly
25 dropped out. We need to keep the doors open. We need
26 to have you stand up for that as forceful as you

1 possibly can making that dream alive for people.

2 Thank you.

3 MS. OLDHAM: I think we missed Number 62.

4 MR. ROONEY: Thank you, Mr. Chairman,
5 members of the Commission.

6 My name is Jim Rooney. I'm Director of
7 Public Affairs at the Boston Foundation. The Boston
8 Foundation is one of the nation's oldest and largest
9 community foundations, and we increasingly commission
10 research on competitiveness issues and bring leaders
11 together from across sectors to examine the ways in
12 which the region can move forward.

13 And one such effort that I just wanted to
14 very briefly bring to your attention this afternoon,
15 and I've submitted copies, is a recent study on the
16 impact of colleges and universities in Greater Boston
17 today. Dr. Vest is no doubt well aware of it, having
18 helped us on this.

19 I just wanted to share with you our main
20 finding and our main recommendation since, based on a
21 national scan of best practices, it's in our judgment
22 that this has some national applicability as well.

23 Our main finding is that over the past ten
24 years there has been an enormous and under heralded
25 blossoming of partnerships across academia, business,
26 government, and neighborhood institutions be it in

1 terms of economic development, quality of life, civic
2 engagement, what have you.

3 And our main recommendation is that
4 leaders both in academia and in other sectors work
5 more strategically to nurture these and accelerate
6 these. Many of what we found are what you would have
7 to describe as more episodic instances, and while I
8 recognize that the charge of your Commission is more
9 in terms of accessibility, affordability,
10 accountability, and that something like external
11 partnerships might be tangential, I'd suggest that
12 many of the issues that have surfaced here today, many
13 of them gut wrenching, could be ameliorated to a large
14 degree by better tapping external constituencies and
15 would certainly suggest that there might be some
16 opportunity to focus on that.

17 We certainly stand ready to serve as a
18 resource to you in that way and certainly thank you
19 for your interest and again, welcome to Boston.

20 DR. DUDERSTADT: Thank you.

21 MS. OLDHAM: Seventy-four.

22 MR. O'CONNELL: Thank you.

23 I wasn't planning on speaking today but
24 decided that I would. My name is Robert O'Connell.
25 I'm a math professor at a community college, and I'm
26 concerned about academic standards.

1 Any time I read about, have material about
2 this, it always talks about having graduation exams or
3 possibly standardized final exams. Thinking about it,
4 a graduation exam will identify which institutions are
5 failing, but if you have statewide standardized final
6 exams for all courses, you then identify which
7 professors are being successful and which ones aren't.

8 That shows the internal problem in an institution.
9 That to me is very desirable because then you can
10 correct it.

11 The other thing is that if you had
12 statewide final exams, standardized final exams, the
13 system already exists because professors are required
14 to give final exams. Every state can set up its own
15 exam, and one of the advantages of that, the
16 businesses will locate in the state which has the best
17 qualified people. So there's a natural sorting out,
18 and there's a natural competition there.

19 To use a business analogy, no manufacturer
20 -- well, if you have a production line, such as
21 Raytheon with its Patriot missiles, there are points
22 on that production line where there are quality
23 checks. Final exams would be the quality checks.

24 We need it desperately in education.
25 We're in a horrendous condition. I think probably you
26 could say 15 to 20 percent of the hundreds of billions

1 of dollars that are spent in education are for a
2 couple of reasons. One, we have students who should
3 not be in college.

4 Two, we have students who don't want to be
5 in college, but we are investing money. If they
6 don't pass a final exam in a particular course,
7 they're going to drop out or they're going to shape
8 up. Either way it's highly desirable.

9 If you disagree with that, I would suggest
10 that you look at PBS program declining by degrees. I
11 agree with everything in there. One of the
12 illustrious private schools in western Massachusetts,
13 a professor said that what he gives today as a C was
14 an F 20 years ago. It's a grievance against the
15 college because they refuse tenure, grievance by the
16 union, refuse tenure to a professor. One of the
17 reasons for refusing tenure was because the professor
18 failed too many students.

19 What message does that give to the rest of
20 the teaching staff all over the state? You want your
21 job? Pass your students. That's not what education
22 is about.

23 Teacher exam, this state. The first time
24 the teacher exam was given, 50 or 60 percent of the
25 students failed. What happened was the number of
26 students enrolling in schools of education decreased.

1 The problem is throughout the country the
2 system that created that 50 or 60 percent failure rate
3 is the system that runs the colleges in the country.
4 To me this is a very important issue.

5 Thank you very much.

6 DR. DUDERSTADT: Thank you.

7 MS. OLDHAM: Seventy-five, 75. Seventy-
8 six.

9 MR. PAOLILLO: Good afternoon. Can I
10 congratulate all of you? You have great bladders.
11 You really do.

12 I'm Len Paolillo and still loving teaching
13 in college after 36 years hearing all of these
14 wonderful students here. That's why I'm still at it.

15 I'm a professor at Massachusetts College of Liberal
16 Arts in North Adams. We're trying to be known as
17 MCLA, and I also wear another hat. I'm a chair of the
18 National Education Association Legislative Committee,
19 and we do have a few higher ed. members in the
20 organization, but that's where I fit in the
21 organization.

22 But I can also speak for my K through 12
23 colleagues who really care about what happens to post
24 secondary education.

25 Today I want to bring to your attention an
26 issue that I haven't heard much about, and that is

1 using graduation rates as an accountability measure in
2 post secondary institutions, and I do so with the
3 knowledge that -- I'm not going to read this because
4 hopefully you'll read it. This is the only one I
5 think I've seen on retention rates -- but anyway, I've
6 done some considerable organization; us and the AFT
7 have done a lot of research on using graduation rates,
8 and I just want you to understand that today we don't
9 have the homogeneous cohort of young people fresh out
10 of high school attending post secondary education on a
11 full-time basis, as I did and maybe many of you did.

12 Today the average age at community college
13 is 29, who have lived 50 percent more life than the
14 traditional college student, and these additional
15 years are full of life altering events like having
16 children, learning the ins and outs of different areas
17 of the world of work and maturing in one sense of what
18 kind of education is needed to accommodate their
19 family needs and career goals.

20 What we find with some of the research
21 that NEA and AFT, American Federation of Teachers, has
22 put together is that when you look at the factors that
23 contribute to graduation rates, basically we're
24 talking about student income levels and being a
25 traditional student. They're much more likely to
26 graduate in four to six years.

1 However, the colleges I'm at and you heard
2 many people testify today, at the public colleges we
3 take many, many more nontraditional students, and one
4 of the things that affects, you know, college
5 retention and enrollment is the fact that if you do
6 have like children, if you do have an outside job, all
7 those things affect that rate.

8 And age also is a factor. We find that 57
9 percent of undergraduates are 21 years or older, but
10 it's not age per se, but things like part-time
11 employment, having children, being a single parent,
12 being financially independent of parents or working
13 full time. All have an impact.

14 A study that was done recently by
15 Professor David Labin at CUNY in New York, the data
16 indicated that if one looked at graduation rates for a
17 cohort, they took a 30-year period of time. If you
18 looked at them at the six year mark, a majority of the
19 cohort didn't graduate. If you look even at the ten-
20 year mark, they missed a significant minority of
21 people.

22 So I just caution you. Please don't use
23 graduation rates as the end all, be all. Another
24 study that I highlighted here, the University of
25 California shows basically that you could set up a
26 situation where he controlled for various kinds of

1 characteristics that affect graduation rates, and some
2 colleges may have the exact same rate, 50 percent, but
3 one had an expected rate of 70 percent based on these
4 characteristics I mentioned to you and one had an
5 expected rate of 30. They would both seem either good
6 or bad equally.

7 So I urge you not to do that, and one last
8 final thing. Please don't do what David Horowitz is
9 trying to do to us in terms of his attempt to have
10 academic freedom curtailed.

11 Thank you very much. You're terrific to
12 be here all this time.

13 MS. OLDHAM: Seventy-seven.

14 MS. BURN: My name is Courtney Burn. I'm
15 a sophomore at Northeastern University, and I'm
16 representing the Associated Students of Massachusetts.

17 I attended Mass. Bay Community College as
18 well in the fall. Now, as a sophomore at
19 Northeastern, I'm already facing insurmountable debts.

20 I owe over \$30,000 already, and I'm just a sophomore.

21 Today I keep hearing that the average debt
22 is 20, and I think they said \$30,000, but the reality
23 is my peers and I will be facing up to \$30,000 in debt
24 by the time I graduate for a private education.

25 And today our only hope is to publicly
26 expose these shameful votes that cut and eliminate

1 higher education funding. However, come election day,
2 we, the students, will employ our power, vote out the
3 cutters and slashers of higher education, and vote
4 representatives, governors, and a President that will
5 support significant funding for all college students.

6 Thanks.

7 DR. DUDERSTADT: Thank you.

8 (Applause.)

9 MS. OLDHAM: Seventy-eight.

10 MR. GORDON: My name is Ben Gordon. I am
11 currently a student at Mass. Bay.

12 I would like to talk to the Commission
13 about some symbols and morals that define this country
14 as America. These symbols and morals are that I was
15 socialized into since childhood. This is the belief
16 of the American dream, that simply being a citizen in
17 this country, you are entitled to reach your full
18 potential, live a good life, raise a family, get an
19 education, and work in your desired field as long as
20 you work really hard.

21 As I have grown older and attempted to
22 apply these morals, I have discovered that these
23 nation defining traits are not so clearly cause and
24 effect, and a lot are used to justify the advantages
25 the upper class have over the population.

26 I was born learning disabled into a lower

1 middle class family, as such started out behind in the
2 world, but I believed that if I worked hard enough, I
3 could surpass anyone. But I soon learned that to
4 enter the next level took an impossible amount of
5 money that looked only to further increase.

6 What America effectively has been doing is
7 taking the public out of public education. They are
8 taking equal out of a nation that prides itself on
9 equality. When this country is struggling to keep up
10 with an evolving technical world, we continue to cut
11 off our own human resources from reaching our own
12 potential.

13 So many people are born with an amazing
14 amount of potential that will never be realized only
15 because of monetary reasons. These people need help
16 because they are the future of this nation, and the
17 generation that can make this country great.

18 But they are only sleeping in the dream
19 right now because that is all they have been given.
20 The American dream is only a dream or a vision for
21 most people. It is past time to give them the
22 American way, to wake them up and say that you
23 acknowledge their potential and ambition, their
24 dedication to go into higher education and further
25 themselves and open those doors for them.

26 Right now those doors have to be forced

1 open by working full time and trying to get an
2 education, also doing whatever volunteer work or
3 internships the individual wishes. It is not fair
4 that simply because someone is born into more economic
5 resources that they can walk through as many doors as
6 they want with ease without the burden of financial
7 stress.

8 Education needs to be the American way,
9 for if it is successful, it can be the crucial tool of
10 bridging the gap in the American people and creating
11 a united, equal nation to be proud of. We are people
12 that have been divided not by those who work hard or
13 those who have natural talent because I believe all of
14 us have those, but by status and accessibility to
15 education.

16 Wake them up from the American dream and
17 give them the American way of life. Offer an
18 opportunity to this generation to live the American
19 way. What morals should we as a nation instill in our
20 children? I hope they are true.

21 DR. DUDERSTADT: Thank you.

22 (Applause.)

23 MS. OLDHAM: Seventy-nine. Eighty.

24 MR. CHU: Good afternoon, members of the
25 Commission. My name is Peter Chu, and I am a
26 graduating Master's student from the University of

1 Arkansas, in Fayetteville, Arkansas, and I know you
2 all are thinking this is a long way from home being in
3 Boston, Massachusetts, but all that will come out in
4 what I say.

5 I am here on spring break, and one of my
6 friends is a member of USSA and really told me about
7 the Commission and about everything that's going on
8 with the federal government and funding, and I was
9 really intrigued by this because my Master's degree
10 that I will receive in May 2006 this year, by the way,
11 is in higher education, administrative leadership.

12 And why that was so intriguing to me is
13 because in classes throughout the past two years,
14 we've talked about issues, current issues in higher
15 education, current issues about what's going on, the
16 issues facing our students today, and a lot of the
17 times in a lot of those topics were those financial
18 issues, were about the access to higher education
19 whether it be from the admissions standards to
20 financial aid and the cost of attending colleges.

21 And so I was wondering because in our
22 discussions in classes we always talked about access.

23 We always talked about financial aid. We always
24 talked about the federal government's role, the state
25 government's role and everything in that aspect, and
26 so I was really intrigued to hear that we recently had

1 a \$12 billion cut to federal loans and everything in
2 that nature, and I was wondering because it was very
3 interesting to me to see that because -- we are within
4 the higher education system we always talk about and
5 especially in the society we talk about wanting people
6 to become more educated so that they can serve society
7 and give back to the community.

8 But then we are restricting those access
9 to higher education.

10 As you can see, I don't really have any
11 papers, don't really have anything really written out
12 for you all, but I couldn't sit back, especially with
13 my background and my passion for student teaching and
14 to become an administrator in this field. I couldn't
15 just sit there and not say anything about this issue
16 or not have a voice in this.

17 So I don't have any recommendations or
18 statistics to share with you all, but just a personal
19 story. I myself am from a divorced home from
20 Arkansas. I have four sisters, one brother. All of
21 them attended college. My parents made just enough
22 money to pay the bills, just enough money to put food
23 on the table, just enough money to clothe us, but not
24 enough money to put all of us through college.

25 I am the fourth of the six to receive a
26 college degree, the first one to receive a Master's

1 degree, and all of my siblings have either graduated
2 from college or are in college now, and there's four
3 of us who are in college now.

4 And I tell you this just to say that there
5 is no way that I nor any of my brothers and sisters
6 could have made it through college without loans or
7 grants. My parents made just enough money to edge us
8 out of the Pell Grants and everything like that, but I
9 tell you this just because that my youngest sister
10 when I was sitting back there listening to the
11 stories; my youngest sister almost did not come back
12 to college because she could not afford to go to
13 college.

14 So I say this because with each one of us
15 graduating, I will graduate with a \$50,000 debt, and
16 each one of my siblings will graduate with at least
17 \$30,000 in debt, and that, in turn, turns out to be
18 about \$200,000 for just me, myself, and my family.

19 So I really strongly urge you all to
20 really think about just what kind of impact these cuts
21 will have on us as far as first generation, low income
22 students.

23 Thank you.

24 (Applause.)

25 MS. OLDHAM: Let me just quickly run
26 through the numbers that folks weren't here just to

1 make sure we haven't missed anyone: 11, 39, 40, 41,
2 44, 72, 75, 79.

3 DR. DUDERSTADT: Well, thank you very
4 much. We really appreciate the input.

5 (Applause.)

6 (Whereupon, at 3:31 p.m., the meeting was
7 concluded.)

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