

(to be considered for
approval at 12/3/96
Senate meeting)

**SENATE MINUTES
UM-ST. LOUIS
November 5, 1996
3 p.m. 126 J. C. Penney**

The meeting was called to order at 3:04 p.m. Minutes from the previous meeting (held October 8, 1996) were approved as submitted.

Report from the Chairperson -- Dr. Lois Pierce

The Chair began by clarifying her remarks at the October Senate meeting concerning the applicability of the faculty grievance procedures to non-regular faculty. She explained that because only full-time regular faculty are eligible to serve on the Grievance Panel, non-regulars are not extended the right to review by their peers. The Intercampus Faculty Council will be exploring this issue, and the Chair said she would welcome suggestions from Senate members.

Turning her attention to activities at the November 4 meeting of the General Officers, the Chair reported that IBM made a presentation on service and support processes and administrative systems. Dr. Karl Beeler from our campus is part of a committee which is recommending improvements to the student information system. The committee is further recommending that, minimally, both the Human Resources and Finance systems should also be changed because students must interact with those systems as well. Recognizing that this represents a major undertaking, Executive Vice President McGill and Vice President Caruso have been studying the impact such changes may have on our entire data tracking system. Presently, faculty, staff, and students are defined in different ways, making it impossible to track people across systems. IBM's role was to provide information to the General Officers on how to make decisions about administrative systems.

As an interesting side note, the Chair reported that Interim President George corrected the consultants when they referred to students as "customers." He pointed out that this term implies the purchase of grades and degrees. President George suggested that the situation could be more accurately described as a relationship between students and faculty in which both groups work together to educate students. Furthermore, the President cautioned that efficiency must not be confused with a good education, which requires time and hands-on interaction.

It was noted that students are more inclined these days to choose courses by comparing class times and locations and opting for those that are most convenient for them. In the future, universities will need to be more flexible in order to attract these students.

Another issue which surfaced at the General Officers' meeting was the impact the Americans with Disabilities Act will have on academic freedom and on admissions to the University. Once students with disabilities are admitted, accommodations will need to be made. In most cases, faculty will not be permitted to teach courses in ways that exclude disabled students. The Chair reported that the University is working to clarify guidelines so that faculty will understand what is required of them by law.

The Intercampus Faculty Council soon will be meeting with Curator Adam Fischer, chair of the University Presidential Succession Committee, concerning the role of the Faculty in the search process.

Senators were informed that a proposed academic calendar for 1998-99 would be brought forward later in the meeting by the Committee on Curriculum and Instruction. The schedule recommended by the Committee for spring break differs from the break period selected by the Intercampus Faculty Council. The Chair indicated that if the Committee's proposal is endorsed by the Senate, she and her colleagues on the IFC will return to that body to reopen discussions.

In closing, the Chair announced that Dr. Susan Feigenbaum, a member of the University-wide committee on benefits, would speak about changes to the health plan following the completion of the Senate's other business.

Report from the Chancellor -- Chancellor Blanche Touhill

The Chancellor reported that over 6 percent of the student body has participated in intramural programs this fall, a level which matches the national average for urban universities. Student Affairs has established a goal of having more than 2,000 students involved in intramural programs this academic year.

The University's inaugural season in the Great Lakes Valley Conference is proving to be very successful, the Chancellor said, reminding senators that we switched to this conference because its member institutions had missions and student bodies more similar to our own. Currently, the UM-St. Louis women's soccer team is ranked second in the conference and tenth in the nation.

Senate members were informed that catering services now can be ordered on the Web by accessing the University Center home page.

Renovation of the roads on the South Campus has been completed, except for the entrance from Natural Bridge. The University is presently negotiating with Bi-State to have that portion of the roadway renovated.

The campus shuttle system has been transporting nearly 4,000 riders per week this fall. This compares to two years ago, when only about 600 passengers were carried weekly.

The police department has compiled and filed its latest crime statistics report with the Federal Bureau of Investigation. The report again reflects UM-St. Louis as one of the safest campuses in Missouri. A copy of the report can be obtained from the police office or through the Division of Student Affairs.

Two receptions were noted. An open house at the Fine Arts Building is planned for 4-7 p.m. on November 7, and a reception to honor scholarship recipients and donors is scheduled for November 21 in the Summit Lounge. Senators were encouraged to attend.

In closing, the Chancellor reported that she inquired at the General Officers meeting about a salary policy such as that proposed by the Faculty Council. She was told that it is not the system approved by the Curators.

Report from the Faculty Council -- Dr. Herman Smith

Senate members were invited to attend the first half-hour (3-3:30 p.m.) of the Council's meeting on Thursday, November 7, to begin deliberations over the proposed transfer of the Senate Committee on Research to the Faculty Council.

Report from the Intercampus Faculty Council -- Dr. Silvia Madeo

(see attached)

Concerning the disparities among the four campuses with respect to the number of leaves taken, Dr. Paul Roth suggested that it may be preferable for the campuses to have the freedom to go their separate ways rather than subjecting them to one uniform policy.

Report from the Student Government Association -- Ms. Angela Hornaday for Mr. Robert Fritchey

(see attached)

Report from the Executive Committee -- Dr. Lois Pierce

The Chair reminded senators of the Educational Policy Task Force, which was created last year to examine issues concerning distance learning and the use of electronic media in the classroom. Among the recommendations put forward by the Task Force was the formation of a standing committee on educational policy. The Chair reported that this recommendation was discussed by the Executive Committee. Members expressed some reluctance to form yet another Senate committee, when educational policy issues would appear to fit under the Executive Committee's own charge "to meet regularly and frequently with the Chancellor to discuss matters of policy concerning the University of Missouri-St. Louis." This arrangement was discussed with the members of the Task Force, who found it an acceptable alternative.

The Chair noted that in the past, the Executive Committee has focused its attention on setting the Senate meeting agenda. Adding the discussion of issues of educational policy to its regular business will likely result in longer and more frequent Executive Committee meetings. Also, it will be necessary for the Executive Committee to set an agenda of its own at the beginning of each academic year.

The Chair reported that the recommendations of the Task Force, in their entirety, will be discussed and possibly refined at the next Executive Committee meeting.

Dr. Jeanne Morgan Zarucchi strongly endorsed the Task Force recommendations, which she saw in draft form, and agreed that the Executive Committee is a good place for educational policy to be discussed. She urged that the recommendations be sent electronically to each member of the Senate. The Chair advised her that the recommendations will not be in final form until January.

Report from the Budget and Planning Committee -- Chancellor Blanche Touhill

The Chancellor reported that that the Committee met to discuss two main items: a review of Challenge IV and V and an opportunity which has come to UM to obtain state funding to cover mission enhancement. She described how this opportunity came about and the various factors to be considered in determining how best to take advantage of it. President George has proposed graduate and professional education as the focus of our mission enhancement, and Chancellor Touhill indicated that she agrees. She will resume discussion of the issue at a forthcoming meeting of the Budget and Planning Committee

The Chancellor confirmed for Dr. Raymond Balbes that there is to be one mission enhancement proposal covering all four UM campuses. She

responded to a question from Dr. Susan Feigenbaum by suggesting that concerns on the part of some at CBHE that we are not organized in our approach to our mission may be allayed because we will be a full partner in this venture with UM. Dr. Mark Burkholder endorsed the plan, but Dr. J. Martin Rochester questioned the wisdom of focusing exclusively on graduate/professional education, given its labor-intensive nature. Chancellor Touhill pointed out that enrollment management actually began when the Board raised student fees and admission standards. She said she is very concerned about undergraduates and would like more of them but, she said, she is resigned to their staying with us for short periods until we are in a position to offer them more programs. The Chancellor said that when she goes out in the community, our alumni tell her that the thing they treasure most about UM-St. Louis is the quality of the academic programs. Alumni do not seem to remember much about student life on the campus, and this is the aspect the Chancellor hopes will change.

Dr. Barton inquired about our policy concerning the recruitment of freshmen and sophomores. The Chancellor noted that our policy is driven, to some extent, by the birth rate. She suggested that this is a time when we should be working hard to attract students from the community colleges to UM-St. Louis.

Report from the Committee on Video and Instructional Technology --
Dr. Fred Willman

(see attached)

Report from the Committee on Committees -- Dr. W. Gary Bachman

Dr. Bachman reported that a faculty member was needed to replace Dr. Karen Maher on the Committee on Student Affairs. Dr. Maher has left the University. Dr. Aaron Franzel (Optometry) was nominated and subsequently elected by acclamation.

Report from the Committee on Curriculum and Instruction -- Dr. Lawrence Friedman

Dr. Friedman called the Senate's attention to course actions that were approved by the Committee. He then presented a recommendation to approve a proposed new degree program, the Ph.D. in Education. He called on Education Dean Charles Schmitz for some introductory remarks about the program, after which Associate Dean Kathleen Haywood joined the Dean at the lectern and responded to questions from the floor. The proposal was then approved by the Senate.

Next, Dr. Friedman presented the Committee's recommended academic calendar for 1998-99, which positions spring break during the week beginning Monday, March 1. He reported that this particular week was chosen because it represents the middle of the winter semester. The other possible week for spring break is the week of March 22, which the IFC had selected. Dr. Mark Burkholder called the question, after which the calendar, as proposed by the Committee (see attached), was approved with some dissent.

Report from the Committee on Faculty Teaching and Service Awards
-- Dr. Edward Andalaft

Dr. Andalaft announced that due to the small number of nominations received, the Committee has extended the deadline for submission of nominations for the Chancellor's Awards in Teaching and in Service, the Presidential Award for Outstanding Teaching, and the Thomas Jefferson Award. The new deadline is noon on Friday, November 22, 1996. Nominations must be submitted on the nomination short form, a copy of which is being sent again to all faculty, together with instructions for its completion.

Dr. Andalaft also announced that Chancellor Touhill has approved a joint recommendation from the Committee on Faculty Teaching and Service Awards and from the Committee on Research that a person who receives a Chancellor's Award is ineligible to receive the same award again, but could receive additional Chancellor's Awards in different areas.

Report from the Committee on Physical Facilities and General Services -- Dr. Lawrence Barton

(see attached)

The Senate adopted the following resolution: BE IT RESOLVED that the UM-St. Louis Senate membership urges Chancellor Touhill and Bi-State Executive Director John K. Leary, Jr., to work together to solve the hazardous conditions that exist from the Natural Bridge Road intersection with East Entrance Drive to the UM-St. Louis South MetroLink Station.

Dr. Dennis Judd suggested requiring head-in parking along West Drive. Dr. Barton promised to bring this to the Committee at a forthcoming meeting.

Report from the Committee on Research -- Dr. Kimberly Leonard

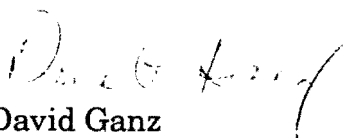
(see attached)

Dr. Margaret Cohen inquired if the Committee has been discussing the Faculty Council's proposal to move the Committee from the Senate to

the Council. Dr. Leonard reported that the Committee is scheduled to meet again in early December, at which time the topic can be added to the agenda.

Completing the business at hand, the Senate adjourned at 4:26 p.m. Dr. Susan Feigenbaum led a discussion of the changes to the health care plan, after which she entertained questions from the floor until 4:55 p.m.

Respectfully submitted,


David Ganz
Senate Secretary

Attachments: Report from the Intercampus Faculty Council
Report from the Student Government Association
Report from the Committee on Video and Instructional
Technology
Academic calendar for 1998-99
Report from the Committee on Physical Facilities and
General Services
Report from the Committee on Research

(minutes written by
Ms. Joan M. Arban,
Senate Executive Assistant)

Intercampus Faculty Council Report
November 5, 1996

The IFC met in Columbia on October 18, 1996.

Dennis Sentilles reported on the status of the search for a System president. Korn/Ferry International is conducting the search. Sentilles reported that there are many vacancies nationwide and a shallow pool of candidates. Korn/Ferry hopes to identify 10-15 likely candidates, ask for references, and narrow the set to 3-4 candidates. At that time the faculty representatives would play a role in the search. Curator Adam Fischer would like to visit with the IFC about the search, and he is available for the next meeting (November 14). An effort will be made to arrange a meeting involving as many IFC members as possible.

Following this report, President Mel George, Steve Lehmkuhle, and Ron Turner joined the IFC. President George reported on the recent joint meeting of the Coordinating Board and the Board of Curators (the first combined meeting in about ten years). He believes the current Coordinating Board sees itself as an advocate for higher education. The Board passed operating budget recommendations for all institutions. The endowed chair program is not in the budget on a recurring basis; there is an effort to change its status to recurring. The System capital budget request was approved but with a different allocation than recommended by the Curators (the entire request was allocated to repair and rehabilitation).

President George also discussed a committee headed by Ron Turner to study how the curators can better serve the System. One of their projects will be design of an orientation program for new curators.

President George reported that the next Board of Curators meeting would include a discussion of changes to the academic research dishonesty policy to make it conform to federal guidelines for funded research. These changes (written by System legal staff) have been shared with the research offices on each campus.

He also reported that future increases for graduate and undergraduate fees will follow the HEPI (Higher Education Price Index). Professional school fees will increase at the same rate unless a particular institution wishes to argue for more or less (provided resources are available to support the program without the increase). Similar programs across campuses must have coordinated fee structures.

Steve Lehmkuhle distributed a comparison of faculty leave rates at the four UM campuses. Considerable differences exist across the four campuses. Lehmkuhle will try to find comparisons with other institutions.

The final issue discussed while President George and Ron Turner were present was

medical benefits. In particular, there was some discussion of the tension between System employees as both providers and customers. President George indicated he would invite Ken Hutchison and/or Jim McGill to visit with the IFC on this topic.

Other issues discussed:

- The current ability of the UM System to deliver video technology was questioned.
- The week of March 22 was agreed upon for the 1998 Spring Break.
- Steve Lehmkuhle agreed to collect information on how the four campuses deal with grievances from non-regular faculty.
- The status of a resolution requesting the addition of sexual orientation to the System anti-discrimination policy was discussed. This topic was added to the agenda for future discussion with President George.
- Different policies regarding post-tenure review on the four campuses were discussed. The need for such review in light of changing attitudes toward tenure and the potential benefits and costs to faculty were noted. This topic will appear on a future agenda.

The next meeting will be held Thursday November 14.

SGA Report to the Senate
November 5, 1996

I. Homecoming Week

- A. Midnight Madness - 150 students
- B. Bonfire - Rained out
- C. Dance - 200 attendees

II. Current Plans

- A. Spring Dance
- B. 1997/1998 Budget Request Application

III. Upcoming Events

- A. Wednesday, November 6, **SGA Meeting @ 3 p.m.** in 222 JCP
- B. Friday, November 8, **Talent Showcase @ 7 p.m.** in the JCP Auditorium
- C. Friday, November 15, **Gospel Choir Fall Concert @ 7 p.m.** in the JCP Auditorium
- D. Saturday, November 16, **Reggae Fest @ 3 p.m.** in the JCP Auditorium
- E. Friday, November 22, **Midwest Rap Contest @ 7 p.m.** in the JCP Auditorium
- F. Saturday, November 23, **Comedy Showcase @ 8 p.m.** in the JCP Auditorium
- G. Wednesday, December 4, **@ 1p.m.** Out and About Trip with UPB to see **Ms. Saigon at the Fox**

Senate Committee on Video and Instructional Technology

Senate Report

November 5, 1996

The committee met last week.

Distance learning and how well classrooms work was the first topic of discussion. The possibility of new classrooms was also discussed, especially with regard to the configuration and the use of the basement of Marillac Hall. Members expressed an interest in the time schedule for the development of new classrooms.

Bob Clapp and Wendell Smith indicated that 20 classrooms per year are being updated to improve the teaching environment available. Each classroom contains the distribution system for cable, satellite and computing. There are 75 such classrooms on campus to date.

Although most rooms on campus appear to be connected to the campus network, many of them only have jacks that are not wired to live ports. Even though the connections are inside the building, at least one building on campus does not have any classrooms wired to the entrance connections.

Research grant money is available from SW Bell for researching distance learning. ISDN Software for desktop video and the technology available for desktop video conferencing were also discussed. This information will be communicated to the faculty in the near future.

The committee will be contacting all department chairs to invite their input about the departments' needs and interests with regard to video and distance learning in the next few weeks.

Please mark your calendar for December 12 - the dedication of the SW Bell TCC facility in the Blue Metal Building. New technologies, auditorium, interactive classroom will be showcased.

UNIVERSITY OF MISSOURI-ST. LOUIS
PROPOSED
ACADEMIC CALENDAR FOR 1998-99

1998

August 24
September 5
September 8
November 24
November 30
December 9
December 10,11
December 14
December 22

FIRST SEMESTER

Monday, classes begin 8 a.m.
Saturday, Labor Day holiday begins 3 p.m.
Tuesday, classes resume 8 a.m.
Tuesday, Thanksgiving holiday begins 11 p.m.
Monday, classes resume 8 a.m.
Wednesday, classes end 11 p.m.
Thursday/Friday, intensive study days*
Monday, final examinations begin
Tuesday, first semester closes end of day

1999

January 10

Sunday, mid-year commencement

SECOND SEMESTER

January 11
January 18
February 27
March 8
May 3
May 4,5
May 6
May 13
May 16

Monday, classes begin 8 a.m.
Monday, Dr. Martin Luther King holiday
Saturday, spring (mid-semester) recess begins 3 p.m.
Monday, classes resume 8 a.m.
Monday, classes end 11 p.m.
Tuesday/Wednesday, intensive study days*
Thursday, final examinations begin
Thursday, second semester closes end of day
Sunday, annual commencement

*intensive study days -- no classes held, no exams scheduled

SUMMER SESSION

May Intersession (4 weeks)

May 17 Monday, classes begin 8 a.m.
May 31 Monday, Memorial Day holiday
June 11 Friday, session closes end of day

Eight-Week Session

June 14 Monday, classes begin 8 a.m.
July 5 Monday, Independence Day holiday
August 4,5 Wednesday/Thursday, final examinations
August 5 Thursday, session closes end of day
August 8 Sunday, summer commencement

COMMITTEE ON PHYSICAL FACILITIES AND GENERAL SERVICES-11, 5, 96.

The committee has met three times this semester. At the October meeting the following issues were discussed and actions taken:

Signage on the campus appears to be a problem. As a result of comments from faculty and discussions with the committee, Mr. Schuster agreed to place additional signs on the East side of Clark and Lucas Halls, the University Center and the T. J. Library. In addition, the Facilities Management department will develop additional permanent signage on the North campus during November 1996. This includes the areas near both MetroLink stations.

In response to comments about the absence of road striping in several locations on campus, Mr. Schuster assured the committee that the contractor had not completed the assigned work, but it is scheduled for completion soon.

The committee received a report from the Vice-Chancellor for Administrative Services concerning the proposed coffee bar in the Marillac Hall Lobby. Committee member concerns about the facility were satisfied. Mr. Schuster also reported that interior access to the U. Mart would be available within 30 days.

A report on recycling will be given by Mr. Robert Roeseler at the end of the year. Recycling is much less profitable now since the cost of recycled paper has dropped substantially.

The committee requested a report on rekeying at its next meeting and will address this topic on Nov. 21.

Issues concerning access by handicapped students at the Plaza and Lucas Hall were addressed. Several options were presented by Mr. Schuster to accommodate students and the final agreement was that a temporary ramp will be constructed on the east side of the tower.

The major part of the meeting was taken up in a discussion of the problems at the entrance to the South Campus on East Entrance Drive. The road is dangerously narrow, especially for buses. The surface has deteriorated due to bus traffic such that large holes continue to appear, and exchange of passengers between buses at the intersection with Natural Bridge Road causes a dangerous situation and major traffic delays. The committee voted to authorize the chair write to Chancellor Touhill and to Bi-State Executive Director John K. Leary, Jr. to urge that they use their influence to have the problems resolved. The committee further passed a motion that the chair seek the support of the Senate through the presentation of a resolution.

Resolution

Be it resolved that the UM-St. Louis Senate membership urges Chancellor Touhill and BiState Executive Director John K. Leary, Jr., to work together to solve the hazardous conditions that exist from the the Natural Bridge Road intersection with East Entrance Drive to the UM-St. Louis South Metrolink Station.



SUBJECT: Analysis of Fall 96 Research Awards Competition

*From Secretary, Research
Committee (11/1/96)*

The Fall Panel of the Senate Committee on Research met and reviewed a total of 27 requests for \$252,824 in research support. Sixteen applications (59%) received funding; a total of \$114,665 (45% of requested) was awarded.

Summer stipend requests totaled 23% (\$57,375) of dollars requested and accounted for 20% (\$22,375) of dollars awarded.

Teaching replacement requests totaled 16% (\$40,625) of dollars requested and accounted for 14% (\$15,625) of dollars awarded.

Travel requests totaled 6% (\$14,260) of dollars requested and accounted for 4% (\$4,280) of dollars awarded.

Equipment, supplies, and other requests totaled 22% (\$56,476) of dollars requested and accounted for 21% (\$24,243) of dollars awarded.

Research Assistants requests totaled 33% (\$84,088) of dollars requested and accounted for 42% (\$48,142) of dollars awarded.

Professor Leonard
4 November 1996
Page 2

The above distribution of awards should be considered in conjunction with the funding in the Small Grants competition. In particular, although awards for Travel were small in the Research Awards competition, \$14,020 was awarded for Travel (travel represented 49% of requests and 62% of awards) in the Small Grants competition. For the other categories of Small Grants, \$475 was awarded for Equipment (16% of requests and 2% of awards); \$2,336 was awarded for Professional Development (8% of requests and 10% of awards); \$2,500 was awarded for Research Assistants (13% of requests and 11% of awards); and \$3,220 was awarded for Special Research Supplies (14% of requests and 14% of awards).

The following provides more detail on the Research Awards:

Of the 27 applications, 13 were from Assistant Professors, 6 were from Associate Professors, and 8 were from Full Professors. Funding success based on head count was 54% for Assistant Professors (7 of 13), 50% for Associate Professors (3 of 6), 67% for Full Professors (6 of 8), and 59% overall (16 of 27). Funding success based on amount awarded compared to amount requested was 35% for Assistant Professors (\$44,427 of \$126,886), 44% for Associate Professors (\$24,085 of \$55,010), 65% for Full Professors (\$46,153 of \$70,928), and 45% overall (\$114,665 of \$252,824).

Of the 16 funded proposals, 1 was funded at slightly more than the requested amount, 9 were funded at the requested amount and 6 were funded at less than the requested amount. The School of Education had a head count funding rate of 50% (2 of 4) and an amount funding rate of 29% (\$12,625 of \$43,153). The School of Business did not submit any proposals. The School of Nursing had a head count funding rate of 0% (0 of 1). The School of Optometry had a head count funding rate of 50% (1 of 2) and an amount funding rate of 44% (\$8,173 of \$18,698). The College of Arts and Sciences had a head count funding rate of 65% (13 of 20) and an amount funding rate of 52% (\$93,867 of \$178,969). In Mathematics and Sciences, the head count funding rate was 83% (5 of 6) and the amount funding rate was 73% (\$41,340 of \$56,766). In the Humanities, the head count rate was 40% (2 of 5) and the amount funding rate was 33% (\$10,900 of \$32,996). In the Social Sciences, the head count rate was 67% (6 of 9) and the amount funding rate was 47% (\$41,627 of \$89,207).

The tables on the next page provide a comparison of funding success rates in numbers and amounts for each category and each level of faculty applicant.

Funding Success on Basis of Head Count

Number Awarded/Number Requested
 % Awarded

Funding Category	Assistant Professor	Associate Professor	Full Professor
Summer Stipend	4 / 7 57%	0 / 1 0%	0 / 0 0%
Teaching Replacement	1 / 4 25%	1 / 2 50%	1 / 2 50%
Travel	1 / 4 25%	0 / 1 0%	1 / 2 50%
Equipment, Supplies, and Other	0 / 7 0%	2 / 4 50%	4 / 5 80%
Research Assistants	3 / 8 38%	1 / 3 33%	5 / 5 100%

Funding Success on Basis of Dollar Amount Awarded

\$Awarded/\$Requested
 % Awarded

Funding Category	Assistant Professor	Associate Professor	Full Professor
Summer Stipend	22,375 / 47,375 47%	0 / 10,000 0%	0 / 0 0%
Teaching Replacement	6,250 / 18,750 33%	6,250 / 9,375 67%	3,125 / 12,500 25%
Travel	3,400 / 5,960 57%	0 / 2,600 0%	880 / 5,700 15%
Equipment, Supplies, and Other	0 / 20,233 0%	11,355 / 19,155 59%	12,888 / 17,088 75%
Research Assistants	12,402 / 34,568 36%	6,480 / 13,880 47%	29,260 / 35,640 82%

Category Distribution of Funding in Comparison to Previous Year

Funding Category	Previous Year Allocation	Previous Year Percent	Fall 95 Allocation	Fall 95 Percent	Fall 96 Allocation	Fall 96 Percent
Summer Stipend	33,833	13%	17,916	18%	22,375	20%
Teaching Replacement	47,257	18%	16,882	17%	15,625	13%
Travel	34,790	13%	14,750	15%	4,280	4%
Equipment, Supplies, Other, and Research Assistants	149,652	56%	51,184	51%	72,385	63%
Total	265,532	100%	100,732	100%	114,665	100%

c: Members of the Fall Panel