

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

February 19, 1981



The February meeting of the Board of Trustees of the University of Illinois was held in Chicago Room C, Chicago Illini Union, Medical Center campus, Chicago, Illinois, on Thursday, February 19, 1981, beginning at 8:30 a.m.

President Paul Stone called the meeting to order and asked the secretary to call the roll. The following members of the board were present: Mrs. Galey S. Day, Dr. Edmund R. Donoghue, Mr. William D. Forsyth, Jr., Mr. Ralph C. Hahn, Mr. George W. Howard III, Mr. Dean E. Madden, Mr. Earl Langdon Neal, Mr. Paul Stone. The following members of the board were absent: Mrs. Nina T. Shepherd, Governor James R. Thompson. The following nonvoting student trustees were present: Mr. Joseph P. Maltese, Chicago Circle campus; Mr. Gregory J. Peterson, Urbana-Champaign campus; Mr. David I. Silverman, Medical Center campus.

Also present were President Stanley O. Ikenberry; Dr. Peter E. Yankwich, vice president for academic affairs; Dr. Joseph S. Begando, chancellor, Medical Center campus; Dr. John E. Cribbet, chancellor, Urbana-Champaign campus; Dr. Donald H. Riddle, chancellor, Chicago Circle campus; and the officers of the board, Dr. Ronald W. Brady, comptroller (and executive vice president of the University); Mr. James J. Costello, university counsel; and Dr. Earl W. Porter, secretary.

EXECUTIVE SESSION

An executive session was requested and ordered for consideration of pending litigation.

The university counsel reported the possible settlement of a medical malpractice case reported to the trustees the previous month, "Martin vs. Reed." However, he noted that a new case would raise much the same policy questions as the previous one. The board will be kept informed.

EXECUTIVE SESSION ADJOURNED FOR COMMITTEE MEETING

Mr. Stone announced that the executive session would be adjourned for a meeting of the Buildings and Grounds Committee.

The Board of Trustees regular meeting reconvened at 10:30 a.m.

MINUTES APPROVED

The secretary presented for approval the press proof of the minutes of the Board of Trustees meeting of September 18, 1980, copies of which had previously been sent to the board.

On motion of Mr. Neal, these minutes were approved as printed on pages 39 to 84 inclusive.

STANDING COMMITTEES, 1981-82¹

President Stone presented the standing committee appointments for 1981-82 as follows:

Affirmative Action/Equal Opportunity

EARL L. NEAL, Chairman

EDMUND R. DONOGHUE

RALPH C. HAHN

GEORGE W. HOWARD III

•JOSEPH P. MALTESE

*GREGORY J. PETERSON

Agriculture

WILLIAM D. FORSYTH, Jr., Chairman

EDMUND R. DONOGHUE

NINA T. SHEPHERD

Alumni

DEAN E. MADDEN, Chairman

GALEY S. DAY

RALPH C. HAHN

EARL L. NEAL

Athletic Activities

RALPH C. HAHN, Chairman

DEAN E. MADDEN

EARL L. NEAL

Buildings and Grounds

EDMUND R. DONOGHUE, Chairman

GALEY S. DAY

¹ Nonvoting student members are designated by an asterisk.

GEORGE W. HOWARD III
 DEAN E. MADDEN
 NINA T. SHEPHERD

Finance

NINA T. SHEPHERD, Chairwoman
 GALEY S. DAY
 WILLIAM D. FORSYTH, JR.
 GEORGE W. HOWARD III
 EARL L. NEAL

*GREGORY J. PETERSON

General Policy

NINA T. SHEPHERD, Chairwoman
 GALEY S. DAY
 EDMUND R. DONOGHUE
 RALPH C. HAHN

*DAVID I. SILVERMAN

Nonacademic Personnel

(Also representatives on the Civil Service Merit Board)
 EDMUND R. DONOGHUE, Chairman
 DEAN E. MADDEN
 PAUL STONE

Patents

GEORGE W. HOWARD III, Chairman
 WILLIAM D. FORSYTH, JR.
 DEAN E. MADDEN

Student Welfare and Activities

GALEY S. DAY, Chairman
 GEORGE W. HOWARD III

*JOSEPH P. MALTESE

*GREGORY J. PETERSON

*DAVID I. SILVERMAN

Special Committee for the Trustees' Distinguished Service Medallion Award

GEORGE W. HOWARD III, Chairman
 WILLIAM D. FORSYTH, JR.
 RALPH C. HAHN
 EARL L. NEAL

The president of the board and the president of the University are members, ex officio, of all committees, the president of the board with vote.

DESIGNATION OF ALTERNATE MEMBER OF ILLINOIS BOARD OF HIGHER EDUCATION

As provided by law, the president of the board serves as principal representative on the Illinois Board of Higher Education. Mr. Stone announced that he had designated Mr. Forsyth to serve as the alternate member, to attend the meetings, and maintain the relationship between that board and that of the University of Illinois.

ELECTION OF MEMBERS TO THE MERIT BOARD

On motion of Mr. Forsyth, Dr. Donoghue (chairman), Mr. Madden, and Mr. Stone were elected to serve on the Civil Service Merit Board.

ELECTION OF REPRESENTATIVES TO THE STATE UNIVERSITIES RETIREMENT SYSTEM

On motion of Mr. Madden, the incumbents, Mr. Forsyth and Mr. Howard, were elected.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

President Ikenberry recognized and introduced observers from the campus senates and from the University Senates Conference.¹

President's Reports

The president presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the secretary of the board.

The University Operating Budget, Fiscal Year 1982

President Ikenberry presented to the trustees the following statement with regard to this subject.

Governor Thompson has announced his budget recommendations for higher education. I want to report to you the nature of these recommendations, the implications, and how we hope to proceed.

The governor's budget recommendations for higher education contain three essential elements:

1. A recommended increase of 6 percent in General Revenue Fund support for higher education;
2. A request that the universities provide an average salary increase of 8 percent, plus an additional 2 percent "catch-up" factor to improve faculty and staff compensation; and
3. A directive to increase support to the Illinois State Scholarship Commission.

In his statement, the governor did not say that greater support for higher education was not needed, but rather, he said that more monies simply were not available. In fact, the figure is far below what is needed. The recession, Federal fund cutbacks, and the tax relief measures enacted last year will cause State spending this year to exceed revenues. That gap will reduce funds available for next year, 1981-82.

Given this situation, choices must be made. We won't be able to do some things. We are determined to do others.

Pending advice from the University Planning Council and the Chancellors, it would appear that if the governor's recommendations are enacted for 1981-82, we will be unable to accomplish the following:

1. We will be unable to replace, this year, the loss of some \$2 million dollars in Federal funds for the education of Medical Center students.
2. The initiation of a program in engineering research to aid industry in Illinois and to help restore the health of the Illinois economy will be deferred.
3. The battle to replace old and obsolete equipment in our laboratories and classrooms will have suffered a setback with the loss of \$800,000 earmarked for that purpose.
4. The drive to replace operating and maintenance deficiencies in the University's physical plant will suffer by \$500,000.

¹ University Senates Conference: Leona M. Peterson, associate professor of medical-surgical nursing, Medical Center campus; Chicago Circle Senate: Frank Tachau, professor and chairman of the Department of Political Science; Medical Center Senate: Mary E. Bevis, assistant dean for graduate studies in the College of Nursing and associate professor of general nursing; Urbana-Champaign Senate Council: Richard F. Cavanaugh, junior in the College of Engineering.

5. Supplemental funds for the nursing program in the Quad Cities are lost.
6. Funds to support the fourth and final year expansion in the class of the dental school are eliminated.
7. Funds to cover normal price increases are, for the most part, eliminated.
8. Having taken these steps, we must still save an additional \$2.8 million during the year ahead.

Nonetheless, we can and we will do other things.

1. We will continue to set forth aggressively the needs of the University of Illinois to the governor, members of the General Assembly, and to the people of Illinois.
2. If the University receives at least the 6 percent increase in General Revenue Funds recommended for higher education by the governor, along with the increased tuition revenues as approved by the Board of Trustees last November, I will recommend to the Board of Trustees a compensation increase of 8 percent effective in September, 1981, to be followed by an additional 2 percent "catch-up" increase in January, 1982, for a total increase in compensation levels of 10 percent by the end of the 1981-82 academic year.
3. Within these limits, we will give first priority to the needs of the University libraries especially hard hit by inflation. Only token monies will be available to cover other price increases.
4. We will continue our energy conservation efforts. We will also allocate the funds essential to meet unavoidable energy price increases.
5. As a result of the differential tuition program enacted by the Board of Trustees last fall, we will respond in a modest way to a few of the more urgent academic program needs. We do not plan, however, to solve our more basic problems by tuition increases beyond those already approved.

This plan will require an even more stringent use of resources within the University community. For example, we must monitor even more closely the overall size of the University, including enrollment and employment levels. If we are to protect the *quality* of our faculty, staff, and programs, we must give priority to improved compensation, not mere size.

Many members of the University faculty and staff are asking at this juncture: Where is the "catch-up"? The harsh fact is, at this moment, the answer is not clear and won't be clear for another six months until we have the compensation results from our sister Big Ten universities. Then, and only then will we know whether we are on the way, moving from eighth in compensation in the Big Ten to third. Whatever the end result, we are determined to sustain our commitment to the quality of this University and the faculty and staff compensation levels essential to maintain it. The University will have the added satisfaction of knowing that having come head-on into this, the first major roadblock, we did not turn back from what must be a multi-year commitment.

OLD AND NEW BUSINESS

Electronic Scoreboard for Memorial Stadium, Urbana

(The following recommendation was presented to the Committee on Buildings and Grounds earlier in the day [February 19, 1981]. The committee was divided in its reaction to the proposal and uncertain about the details. Concerns were expressed as to the propriety of the commercialization proposed, considerations of taste, and the financial details of any agreement that might be made with those who would construct the scoreboard and those who would arrange for the advertising displays on it.)

Although the present scoreboard at Memorial Stadium continues to provide the necessary game information in readable form, it is believed by the director of

athletics and the Athletic Association at the Urbana-Champaign campus to be obsolete in terms of contemporary spectator presentation. A modern electronic scoreboard, which would include a message section to provide a greater range of information during football games (and a timing device for track meets), is proposed as a part of the promotion and marketing plan of the Athletic Association. The assumption is made that an overall improvement of the stadium and attendant facilities will improve ticket sales.

In recent years, considerable sums have been spent on the restoration and other improvements of the stadium. This year the Athletic Association will install a new sound system and begin a five-year plan for further upgrading.

Accordingly, the director of athletics and the Athletic Association have proposed that a replacement electronic scoreboard be constructed and installed, without cost to the University or the Athletic Association. It would be somewhat shorter than the present one (44 feet versus 72 feet), but higher (26 feet versus 10 feet). The scoreboard would be paid for by display advertising, presented on four panels, each 10 feet long by 4 feet high; and by approximately eight thirty-second messages displayed on the message board during an event. By agreement, the University would have the right to approve all advertisements.

A number of other universities have recently installed message scoreboards with advertisement panels, it was reported.

The recommendation is endorsed by the chancellor at the Urbana-Champaign campus and by the president of the University.

In the light of the committee discussion, Mr. Neal presented the following resolution to the full board now convened: That the Board of Trustees approve the solicitation of bids for the construction of a new stadium scoreboard with advertising as presented — but subject to the approval of the award of the final contract by the Board of Trustees. Further discussion focused on the specifications of bids now being solicited, the nature of the restrictions with regard to advertising, or to specific advertisers as they might be involved in the specifications or later in an agreement, and related matters. Mr. Neal made clear his view that the intent of the resolution was to favor the project generally but with the proviso stated so as to enable the board to examine the terms of any final contract before its execution.

At length, the board approved the resolution by the following vote: Aye, Dr. Donoghue, Mr. Howard, Mr. Madden, Mr. Neal, Mr. Stone; no, Mrs. Day, Mr. Forsyth, Mr. Hahn; absent, Mrs. Shepherd, Governor Thompson.

(The student advisory vote was: Aye, Mr. Maltese, Mr. Peterson; no, Mr. Silverman.)

REGULAR AGENDA

The board considered the following reports and recommendations from the president of the University.

By consensus, the board agreed that one vote would be taken and considered the vote on each agenda item nos. 1 through 14 inclusive. The recommendations were individually discussed but acted upon at one time.

(The record of board action appears at the end of each item.)

Award of Certified Public Accountant Certificates

(1) The Committee on Accountancy recommends that the certificate of certified public accountant be awarded to 1,049 candidates who passed the standard written examination given in November 1980 in Illinois and who have fulfilled all other legal requirements under Sections 1, 2, and 3 of the Illinois Accountancy Act of 1943, as amended.

The Committee on Accountancy, pursuant to Rule 16(d) of the regulations, also recommends that the certificate of certified public accountant be awarded to fourteen candidates who wish to transfer the examination credit earned by passing the standard written examination in another state and who have fulfilled all other legal requirements under Sections 1, 2, and 3 of the Illinois Accountancy Act of 1943, as amended.

The Committee on Accountancy also recommends that the certificate of certified public accountant be awarded, under Section 5 of the Illinois Accountancy Act of 1943, as amended, to seven candidates who have presented evidence that they are holders of valid and unrevoked certified public accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law.

I concur in these recommendations.

The names of the candidates are filed with the secretary.

On motion of Mr. Hahn, these certificates were awarded.

Amendment, University Rules and Regulations Governing the C.P.A. Examination

(2) The Committee on Accountancy has recommended that Rules 8 and 18 be amended² as follows, to be effective immediately.

I

Rule 8. The High School Requirement

[(e) A certificate showing that the applicant has passed examinations on the subject matter of a four year high school course under the supervision and direction of educational bodies whose certificate would be accepted for admission to the University of Illinois.]

[(f) The passing of the examinations set for admission to the accountancy examination by the University.]

The proposed change eliminates items (e) and (f) which throughout the years have proved to be unnecessary in determining the qualifications of applicants for the C.P.A. examination. The University does not offer or require the passing of a preliminary examination as a condition to being admitted to the accountancy examination.

II

Rule 18. C.P.A. Certificate — Awarding

Each candidate who satisfies all the requirements and is duly certified as above required, shall receive a certificate designating him as a Certified Public Accountant (C.P.A.). This certificate shall be issued in the name of the University, and shall be signed by the President of the University, the Secretary of the Board of Trustees[,] and, *when issued on the basis of examination*, by members of the Board of Examiners [when required].

² New material is in italics; deleted material is in brackets.

| <i>Date</i> | <i>Number</i> | <i>Description</i> | <i>Cost/Yield</i> | <i>Amount</i> |
|-------------|---------------|--|-------------------|----------------|
| 4/16 | \$2 000 000 | U.S. Treasury bills due 7/16/81.... | 14.17% | \$1 930 840 00 |
| 4/17 | 500 000 | Continental Bank 15 percent time de- posit due 7/16/81..... | 15.00 | 500 000 00 |
| 4/17 | 500 000 | U.S. Treasury bills due 7/9/81.... | 13.99 | 484 379 86 |
| 4/24 | 1 000 000 | Continental Bank 15 percent time de- posit due 7/23/81..... | 15.00 | 1 000 000 00 |
| 4/27 | 100 000 | U.S. Treasury bills due 7/23/81.... | 14.33 | 96 652 92 |
| 4/27 | 45 000 | U.S. Treasury bills due 8/20/81.... | 14.49 | 43 009 06 |
| 4/29 | 750 000 | First National Bank of Chicago 15 percent certificate of deposit due 5/20/81 | 15.00 | 750 000 00 |
| 4/1- 30 | 35 903 | First National Bank of Chicago 5¼ percent open-end time deposit..... | 5.25 | 35 902 78 |

On motion of Mr. Howard, this report was approved as presented.

SECRETARY'S REPORT

The secretary presented for record appointments to the faculty and changes of status made by the president, resignations, leaves of absence, and retirements. A copy of the report is filed with the secretary.

ANNOUNCEMENTS FROM THE PRESIDENT OF THE BOARD

President Stone called attention to the schedule of regular meetings for the next three months: June 18, Urbana-Champaign; July 16, Rockford School of Medicine; September 17, Urbana-Champaign.

There being no further business, the board adjourned.

EARL W. PORTER
Secretary

PAUL STONE
President

LUNCHEON GUESTS

Guests of the luncheon included deans and directors of the colleges and schools at the Medical Center; chairmen of the committees of the Medical Center Senate; and members of the Ad Hoc Senate Committee to Study the Consolidation Report.

meeting the specialized educational and cultural needs of the communities served and may make such recommendations as it considers appropriate to meet such needs. The role is solely advisory in nature.

The Community Advisory Board also has the responsibility to advise the Board of Trustees at least annually concerning the matters specified in the act of 1978 and to discharge such other responsibilities and functions as the Board of Trustees may delegate to it from time to time.

On motion of Mr. Hahn, these appointments were approved.

Appointments to the Faculty

(4) The following new appointments to the faculty of the rank of assistant professor and above and certain administrative positions have been approved since the previous meeting of the Board of Trustees.

Positions in the University are classified in the following categories and are designated in the budget by the symbols indicated.

- A — Indefinite tenure
- N — Term appointment not eligible to be appointed for an indefinite term and not credited toward probationary period
- Q — Initial term appointment for a professor or associate professor
- T — Terminal appointment accompanied with or preceded by notice of nonreappointment
- W — One-year appointment subject to special written agreement
- Y — Twelve-month service basis
- 1-7 — Indicates the number of years of service which will be credited at the end of the contract period toward completion of the probationary period relating to tenure

Figures following a symbol indicate percentage of time if the appointment is on a part-time basis (e.g., N75 means one year on three-fourths time).

Urbana-Champaign

1. M. TAMER BASAR, associate professor of electrical engineering, on 75 percent time, and research associate professor in the Coordinated Science Laboratory, on 25 percent time, beginning January 6, 1981 (A), at an annual salary of \$29,600.
2. BARRY A. EISENBERG, assistant professor of horticulture, beginning December 21, 1980 (NY), at an annual salary of \$23,000.
3. BURKS OAKLEY II, assistant professor of electrical engineering, beginning January 1, 1981 (N), at an annual salary of \$24,500.
4. KRISTIN K. PARKAY, assistant professor of consumption economics in family and consumer economics, beginning January 15, 1981 (NY), at an annual salary of \$23,500.
5. CARL M. PARSONS, assistant professor of animal science, beginning January 26, 1981 (NY), at an annual salary of \$23,000.
6. MARY D. RAVENHALL, city planning and landscape architecture librarian and assistant professor of library administration, Library, beginning January 5, 1981 (NY), at an annual salary of \$17,000.
7. PAULA F. SILVER, associate professor of administration, higher, and continuing education, December 21, 1980-August 20, 1983 (Q), at an annual salary of \$28,000.
8. JOHN R. TUCKER, associate professor of electrical engineering, March 1, 1981-August 20, 1984 (Q), at an annual salary of \$29,500.
9. ANNE V. WENDLER, interlibrary loan bibliographer and assistant professor of library administration, beginning January 21, 1981 (WY), at an annual salary of \$15,000.

Medical Center

10. THOMAS B. LEAMON, assistant professor in the School of Public Health, beginning January 5, 1981 (1Y), at an annual salary of \$35,200.
11. PETER P. MAVOCK, assistant professor of medicine, Rockford School of Medicine, beginning February 1, 1981 (1Y), at an annual salary of \$48,000.
12. SUHAYL J. NASR, assistant professor of psychiatry, on 83 percent time, and physician-surgeon, on 17 percent time, Abraham Lincoln School of Medicine, beginning January 1, 1981 (1Y83;NY17), at an annual salary of \$48,000.
13. BORIS STRASBERG, assistant professor of medicine, Abraham Lincoln School of Medicine, beginning January 1, 1981 (WY), at an annual salary of \$37,000.
14. JACLYN M. VIDGOFF, assistant professor of biochemistry and genetics, Rockford School of Medicine, beginning February 1, 1981 (1Y), at an annual salary of \$22,000.
15. MELANIE L. WILSON, reference librarian, Peoria School of Medicine, and assistant professor, Library of the Health Sciences, beginning January 1, 1981 (1Y), at an annual salary of \$13,000.

Chicago Circle

16. YAIR M. BABAD, professor of quantitative methods, for three years beginning January 1, 1981 (Q), at an annual salary of \$35,000.
17. MARTIN P. COURTOIS, assistant reference librarian with rank of assistant professor, Library, beginning January 26, 1981 (NY), at an annual salary of \$16,000.
18. EMMANUEL M. NYADROH, assistant professor of accounting, beginning January 1, 1981 (1), at an annual salary of \$28,500.
19. CHARLES W. SIMPSON, catalog librarian with rank of assistant professor, Library, beginning December 1, 1980 (1Y), at an annual salary of \$23,750.

Administrative Staff

20. ORLO B. AUSTIN, director, Office of Student Financial Aids, Urbana-Champaign, beginning March 1, 1981 (NY), at an annual salary of \$36,000.
21. ROBERT J. BROWN, assistant to the university director of public affairs, beginning January 5, 1981 (NY), at an annual salary of \$30,000.
22. JANE W. LOEB, associate vice chancellor for academic affairs and associate professor of psychology, Urbana, beginning January 12, 1981 (NY;A), at an annual salary of \$42,000.
23. J. FRED McLIMORE, associate dean of the College of Business Administration, 50 percent time, and associate professor of management, 50 percent time, Chicago Circle, beginning January 1, 1981 (NY50;W50), at an annual salary of \$36,000.
24. ROSE M. THOMAS, assistant to associate vice chancellor for urban health, Medical Center, beginning January 8, 1981 (NY), at an annual salary of \$30,000.

On motion of Mr. Hahn, these appointments were confirmed.

Administrative Leave

(5) In accordance with the plan for administrative leaves approved by the Board of Trustees,¹ I recommend such leave for Robert N. Parker, senior associate vice president for business and finance, for the period April 1, 1981, through June 30, 1981. He plans to review financial reports and procedures used by public institutions in the United States to determine where improvements may be made in the University's financial system and to review the University's relations with other State of Illinois agencies.

¹ The plan, approved on June 20, 1973, provides for paid leaves of two to four months for certain administrative officers for the purpose of "keeping abreast of developments in their profession and to find time to design new approaches to their tasks."

The proposal has been reviewed by the committee on administrative leaves which recommends approval.

On motion of Mr. Hahn, this leave was granted as recommended.

Tuition Adjustment for Study at the Washington Center for Learning Alternatives, Urbana

(6) Each semester and summer session, approximately twenty students from the Urbana-Champaign campus attend the Washington (D.C.) Center for Learning Alternatives, serving as interns in government-related offices and obtaining practical experience. In addition, the students attend seminars and earn up to 12 hours of college credit, granted by the Urbana-Champaign campus and based upon the recommendations of the Washington Center and upon evaluations by Urbana-Champaign faculty of written work prepared by the students. The program is periodically reviewed by the Department of Political Science at Urbana-Champaign, most recently in the summer of 1980. It has been judged a unique educational experience.

The students now are assessed tuition and fees at the full program rates applicable to Urbana-Champaign students and, in addition, are required to pay the fees assessed by the Washington Center for Learning Alternatives. After a review of these arrangements, it is believed that it would be more equitable for these students who are physically located in Washington, D.C., and who are paying the Washington Center for its program to be assessed University tuition and fees at a reduced rate. Since the services provided by the Urbana-Champaign campus are minimal and comparable to those provided to students registered at the Range IV level, the chancellor has recommended that the students be assessed at the Range IV level for the period they are off campus in connection with this program.¹ The executive vice president concurs in this recommendation.

I recommend approval.

On motion of Mr. Hahn, this recommendation was approved.

Change in Name, Graduate School of Library Science, Urbana (Report for Information)

(7) The Urbana-Champaign Senate has approved a recommendation from the Graduate School of Library Science that the school's name be changed to Graduate School of Library and Information Science.

The change recognizes that library and information science now have become one discipline. The curriculum of the school includes not only traditional library science courses but also a growing number of courses which either originate in information science or represent a merger of the two areas of study. The change in the name of the school also includes a corresponding change in nomenclature in the degrees offered and the course rubrics.

No programmatic changes are associated with this action; no change in budgetary support or level of staffing is anticipated as a result.

This report was received for record.

Renaming of the Civil Engineering Building, Urbana

(8) The Department of Civil Engineering at Urbana-Champaign has recommended that the Civil Engineering Building be renamed the Nathan M. Newmark Civil Engineering Laboratory, in honor of Professor Nathan M. Newmark, former head of the department, who retired in 1976 and died on January 25, 1981.

Professor Newmark joined the faculty in 1930 and was head of the department from 1956 to 1973, developing one of the nation's most active research centers in

¹ The Range IV level of charges for undergraduate tuition is \$68-72/semester. The affected students would not pay service fees; they are eligible to pay for health insurance.

the field. He was recognized for his contributions to the design of earthquake-resistant structures and for the development of widely-used methods for the analysis of complex structural components. He was a founding member of the National Academy of Engineering, a member of the National Academy of Sciences, a fellow of the American Academy of Arts and Sciences, and a recipient of the National Medal of Science. He was awarded the honorary degree of Doctor of Science upon recommendation of the Urbana-Champaign Senate in 1978.

The Civil Engineering Building was constructed during Dr. Newmark's tenure as head of the department and accordingly the faculty of the department believes that it is especially appropriate for the building to be named for him. The dean of the College of Engineering and the chancellor at the Urbana-Champaign campus concur in the recommendation.

I recommend approval.

On motion of Mr. Hahn, this recommendation was approved.

Agreement with Illinois Swine Progeny Testing Association, Urbana

(9) The Illinois Swine Progeny Testing Association, Inc., a not-for-profit corporation of the State of Illinois, has offered to construct and give the University an agricultural building suitable for testing boars as part of a program designed to increase production efficiency in swine. The testing facility will benefit swine producers in the state and increase the research capability of the Department of Animal Science in both reproductive physiology and genetics.

The facility will enable the department and the Agricultural Experiment Station to offer a more complete program to students and to provide the means and expertise necessary to maintain quality control in terms of preventing the transmission of most major diseases through semen transfer.

It is recommended that the University enter into an agreement with the Illinois Swine Progeny Testing Association for construction of the building, the development of a cooperative program, and the selection of swine to be tested for a period of three years after the building is completed. Under the agreement, the University will conduct tests only on those boars recommended by the association which are acceptable to the University, and the association will be allowed to charge a fee to swine producers who participate until August 31, 1984, or until the association receives fees from the program equal to the capitalized value of the building, whichever occurs first.

The chancellor and the executive vice president have recommended that the comptroller and the secretary be authorized to enter into an agreement with the association which incorporates the provisions described.

I concur.

On motion of Mr. Hahn, this recommendation was approved and authority was given as recommended.

Royalty Income Distribution to Inventors of Electrophoretic Light Scattering Apparatus

(10) On December 20, 1972, the trustees approved the transfer of rights to the University of Illinois Foundation in a discovery by Willis H. Flygare, professor of chemistry, and Bennie R. Ware, formerly a graduate teaching assistant in chemistry, Urbana-Champaign campus. The discovery is described as an "Electrophoretic Light Scattering Apparatus" and was subsequently patented by the foundation in 1973 and 1975. University Patents, Inc., was unsuccessful in developing licenses for the patent, abandoned its efforts, and returned the licensing function to the foundation on August 6, 1976. The foundation's board of directors, on August 3, 1978, approved entering into a license agreement on the patent with Beckman Instruments, Inc. The University's *General Rules* provide a formula which will "generally" fix the portion of net income which is to be paid to inventors.

On January 29, 1981, the inventors met with the University Patent Committee, seeking an adjustment in the light of their special circumstances. The inventors noted that, in addition to originating the discovery, they had expended considerable amounts of time, money, and effort to improve the commercial feasibility of the device and to bring about commercial interest which resulted in the license proposals acted upon by the foundation. The inventors requested that, based on these unique circumstances, the patent committee recommend an increase in the royalty income distribution share that inventors generally receive.

The University Patent Committee now has recommended that, in lieu of the general formula, the inventors receive the first \$100,000 of net income, after expenses, received by the University or the foundation on this invention (\$5,000 has been received to date), plus 20 percent of all such net income in excess of \$100,000.

I concur.

On motion of Mr. Hahn, this recommendation was approved.

Agreement with Institut Mérieux Research (Exception to General Rules)

(11) Vaccines for certain diseases have been developed by Drs. Miodrag Ristic and Michael G. Levy of the College of Veterinary Medicine at Urbana-Champaign. University Patents, Inc., has entered into an agreement with International Minerals and Chemical Corporation for the development of a soluble antigen vaccine for babesiosis, a significant disease of cattle, horses, and dogs and, rarely, humans. Other diseases in the babesiosis group include leishmaniasis, trypanosomiasis, and malaria.

International Minerals and Chemical has negotiated for and received a right of first review of any developments made by Professors Ristic and Levy in the malaria field and expects to relinquish this right to the Institut Mérieux, Lyon, France, which believes that the invention may well solve the problem of providing effective protection against these diseases and wishes to support work leading to further development of the vaccines.

Institut Mérieux now has presented an agreement for cooperative research to the University of Illinois for execution and a part of this agreement deviates from the *General Rules* concerning patent provisions. The University Patent Committee has reviewed the proposed agreement and recommends that the Board of Trustees approve its acceptance, with the following language as an exception to the *General Rules*:

Any inventions or developments resulting from the work provided for hereunder shall be transferred by the University of Illinois to the University of Illinois Foundation, provided, however, that any inventions or developments made jointly by the inventors and the sponsor will be jointly owned by the University and the sponsor.

I concur.

On motion of Mr. Hahn, this recommendation was approved.

Recommendations of the University Patent Committee

(12) The University Patent Committee has submitted the following recommendations relating to discoveries and developments by staff members. Background material concerning these recommendations has been sent to the Committee on Patents of the Board of Trustees.

1. *Polymeric Device* — Alan H. Brightman, assistant professor of veterinary clinical medicine, and Michael C. Theodorakis, assistant professor of veterinary biosciences and in the Center for Zoonoses Research in the College of Veterinary Medicine and assistant professor of bioengineering in the College of Engineering, Urbana-Champaign, inventors.

2. *Purification Method for Phorbol and 4-Alpha-Phorbol from Croton Oil Using Droplet Counter-current Chromatography* — A. D. Kinghorn, assistant professor of pharmacognosy in the Department of Pharmacognosy and Pharmacology, and G. T. Marshall, graduate teaching assistant in the Department of Pharmacognosy and Pharmacology, Medical Center, inventors.
3. *Vaccines Against Malaria* — Michael G. Levy, assistant professor of veterinary pathobiology in the Center for Zoonoses Research, and Miodrag Ristic, professor of veterinary pathobiology and in Veterinary Programs in Agriculture, Urbana-Champaign, inventors.
4. *Vaccine for Bovine Anaplasmosis Using Cell Culture Derived Antigens* — Miodrag Ristic, professor of veterinary pathobiology and in Veterinary Programs in Agriculture, and Michael G. Levy, assistant professor of veterinary pathobiology and in the Center for Zoonoses Research, Urbana-Champaign, inventors; developed with support from the Rockefeller Foundation.

University Patents, Inc., reported that it wished to commercialize these four inventions, and the University Patent Committee recommends that the University's rights be transferred to the University of Illinois Foundation for commercialization. For the last discovery, such transfer is made subject to the rights of the sponsor.

5. *Three Pieces of Playground Equipment for the Handicapped* — D. James Brademas, assistant professor in the Cooperative Extension Service and chief, Office of Recreation and Park Resources in the Department of Leisure Studies, Paula Wallrich, college work-study graduate assistant in landscape architecture, and Jon Rodgers, graduate student in architecture, Urbana-Champaign, inventors; developed with support from the State of Illinois Department of Mental Health and Miracle Recreation Equipment Co.
6. *Pancreas-specific Protein Systems and Immunoassays* — Samuel T. Nerenberg, formerly professor of pathology, physician surgeon, and head of the Department of Pathology, Abraham Lincoln School of Medicine, Medical Center, inventor.
7. *Injectable Gel Implant* — Angel S. Arambulo, professor of pharmacy, and Pramod M. Dubale, graduate teaching assistant in pharmacy, Medical Center, inventors.

University Patents, Inc., reported that it did not wish to commercialize these three discoveries, and the University Patent Committee recommends that the University retain shop rights and release all other patent rights to the inventors.

I concur in these recommendations.

On motion of Mr. Hahn, these recommendations were approved.

Resolution for Sale, Assignment, or Transfer of Stock by Treasurer

(13) From time to time the Board of Trustees receives stock in its own name, which must be sold, assigned, or transferred into the name of the nominees of the safekeeping agent. In the past, the treasurer has been formally designated the officer to sell, assign, or transfer stock since, under Article VI, Section 4 of the Bylaws of the board, the treasurer is without authority to convert any securities in his hands except as directed by the board.

It is recommended that this practice be continued through the new treasurer by the adoption of the following resolution. The treasurer is authorized to exercise the authority granted by such resolution only after being notified by the comptroller of the approval by the board for the sale, assignment, or transfer as provided in the established procedures of the board.

Resolved, that the Treasurer of the Board of Trustees of the University of Illinois, a public corporation, is authorized to sell, assign, or transfer to any assignee or transferee for or on behalf of this corporation and in its name any and all shares of capital stock or any voting trust certificates representing the right to receive shares of stock or any registered bonds or other securities of any other corporation owned

by this corporation in its own right or as trustee and for the purpose of effecting any such sale or transfer, Bernard T. Wall, the Treasurer of this corporation, be and he hereby is authorized to execute in the name of this corporation and on its behalf all assignments which may be necessary and that Earl W. Porter, Secretary of this corporation, be and he hereby is authorized to attest to the authority of Bernard T. Wall, Treasurer, to execute the foresaid documents.

I concur.

On motion of Mr. Hahn, the foregoing recommendation was approved.

Agreement to Train Aircraft Maintenance Personnel, Urbana

(14) Telemedia, Inc., an Illinois corporation, has requested the Institute of Aviation at the Urbana-Champaign campus to train approximately eighty foreign nationals, citizens of Malaysia, as aviation powerplant specialists or aviation airframe specialists. There would be approximately forty in each group. The institute has been asked to present its present Federal Aviation Administration-approved curriculum. Credit toward a degree will not be given.

The period of training will be fifty-two weeks beginning April 1, 1981. Telemedia will pay the University all direct and indirect costs incurred by the University in presenting the program. The estimated total cost for the program is \$941,890.

The University will have the opportunity to use the institute's curriculum for training individuals from a different culture and the opportunity for research in the method and technique of such training. The institute will also benefit from the use of equipment to be provided under the terms of the proposed agreement.

The chancellor has recommended authorization of an agreement as described. The executive vice president concurs.

I recommend approval.

On motion of Mr. Hahn, this recommendation was approved.

Application for Federal Assistance, Willard Airport

(15) The Illinois Department of Transportation, Division of Aeronautics, and the Federal Aviation Administration (FAA) have indicated that the following projects for the University of Illinois-Willard Airport are to be considered for funding in the current fiscal year:

1. Reconstruct north general aviation apron for strength and safety including installing drainage, raising tie-downs, grading, and marking.
2. Install security fencing in the hangar/apron area.

The intent of the projects is to upgrade existing facilities in the light of FAA standards. The total costs are estimated to be \$555,000.

The Division of Aeronautics has asked the University to apply for federal assistance of \$440,000 which is 80 percent of the eligible costs of the program. The balance (20 percent), which includes the University and State shares, will be borne by the Division of Aeronautics.

Preparation of the application will require the assistance of an engineering consultant. The Division of Aeronautics has asked the University to identify a firm acceptable to it in order that the firm may be employed by the division with funds appropriated for FY 1981. The staff has identified Crawford, Murphy and Tilly, Inc., Springfield, Illinois.

The chancellor at Urbana-Champaign has recommended that the University submit an application for a federal grant as requested for the projects described above and that the comptroller and the secretary of the board be authorized to execute the necessary documents. It is further requested that the board approve the choice of the engineering consultant.

I concur.

On motion of Mr. Forsyth, this recommendation and request were approved and authority was given as recommended. (Mr. Hahn asked to be recorded as not voting.)

By consensus, the board agreed that one vote would be taken and considered the vote on each agenda item nos. 16 through 19 inclusive. The recommendations were individually discussed but acted upon at one time. (The record of board action appears at the end of each item.)

Lease of Space for Aircraft Maintenance Training Program, Institute of Aviation, Urbana

(16) The president of the University, with the concurrence of the appropriate administrative officers, recommends, subject to the availability of funds to be provided through a contract with Telemedia, Inc., entering into an agreement to lease 10,078 square feet of space in Building C, Colony Square, Champaign. The space is needed for offices, classrooms, and laboratories for a program to train foreign students in aircraft maintenance¹ for the period April 1-June 30, 1981, at a monthly rental of \$6,917 commencing on the date of occupancy. The lease will provide space for the expansion of the aircraft maintenance training program being offered by contractual arrangements with various sponsors.

The University will have the option to extend the lease from July 1, 1981, through June 30, 1982, upon the same terms and conditions except that the space would be increased to 16,709 square feet and the rental would be at a monthly rate of \$9,443. The University would have the further right and option to extend the lease upon the same terms and conditions at a monthly rental of \$8,406 for the following periods: from July 1, 1982, through June 30, 1983; and from July 1, 1983, through June 30, 1984. Additionally, the University would have the right and option to extend this lease upon the same terms and conditions for the periods beginning July 1, 1984, through June 30, 1985; and from July 1, 1985, through June 30, 1986, but at a monthly rental of \$9,833. Exercise of the options to renew the lease for any of the option periods is subject to the availability of funds. It is further recommended that the comptroller and the secretary be authorized to exercise such options.

The terms of the lease provide for remodeling the space to the specifications of the University, complete custodial services for specified offices, classrooms, and public areas of the building, utilities for heating and air conditioning, scavenger service, and maintenance of the buildings and grounds.

Funds for the initial lease period and any of the optional periods will be included in the total program cost to be provided through contractual agreements with Telemedia, Inc., and other sponsors of students participating in these special aircraft maintenance programs.

On motion of Mr. Howard, this recommendation was approved by the following vote: Aye, Mrs. Day, Dr. Donoghue, Mr. Forsyth, Mr. Hahn, Mr. Howard, Mr. Madden, Mr. Neal, Mr. Stone; no, none; absent, Mrs. Shepherd, Governor Thompson.

(The student advisory vote was: Aye, Mr. Maltese, Mr. Peterson, Mr. Silverman; no, none.)

¹ On January 15, 1981, the trustees approved a contract with Saudi Arabian Airlines for such a program. Approval is being sought as well for a similar contract with Telemedia, Inc., for the training of Malaysian nationals. This leased space will make it possible to integrate these programs. No existing University space is available. The option periods are structured to coincide with the terms of both training programs.

Contracts for Remodeling for Installation of X-ray Equipment in Hospital Addition, Medical Center

(17) The president of the University, with the concurrence of the appropriate administrative officers, recommends award of the following contracts for remodeling for the installation of x-ray equipment in Rooms 346 and 358 in the hospital addition at the Medical Center campus, the award for general work being to the low base bidder plus acceptance of additive alternate no. 1 and for electrical work to the low base bidder.

General Work

Marcus Construction Co., Chicago..... \$25 530

Electrical Work

Mid America Electric Co., Inc., Palatine..... 21 980

Total \$47 510

Construction will begin in March 1981 and is scheduled for completion by May. Funds for this project are available from the Hospital Income Fund.

A schedule of the bids received has been filed with the secretary of the board for record.

On motion of Mr. Howard, these contracts were awarded by the following vote: Aye, Mrs. Day, Dr. Donoghue, Mr. Forsyth, Mr. Hahn, Mr. Howard, Mr. Madden, Mr. Neal, Mr. Stone; no, none; absent, Mrs. Shepherd, Governor Thompson.

(The student advisory vote was: Aye, Mr. Maltese, Mr. Peterson, Mr. Silverman; no, none.)

Contracts for Patio Enclosures, Intramural—Physical Education Building, Urbana

(18) The president of the University, with the concurrence of the appropriate administrative officers, recommends award of the following contracts for roof enclosures and partitioning and finishing to convert two interior patios at the Intramural-Physical Education Building at the Urbana-Champaign campus into administrative and classroom space. The award in each case is to the lowest bidder on its base bid, plus acceptance of the indicated additive alternates.

Division I — General Work

| | |
|------------------------------|---|
| English Bros. Co., Champaign | Base Bid plus Additive Alternates G-1, G-2, G-3, G-4, and G-5..... \$118 930 |
|------------------------------|---|

Division II — Plumbing Work

| | |
|---|----------------------|
| Dever Heating & Air Conditioning Co., Inc., Urbana | Base Bid 2 200 |
|---|----------------------|

Division III — Heating and Air Conditioning Work

| | |
|---|-----------------------|
| Dever Heating & Air Conditioning Co., Inc., Urbana | Base Bid 21 200 |
|---|-----------------------|

Division IV — Ventilation Work

| | |
|---|-----------------------|
| Dever Heating & Air Conditioning Co., Inc., Urbana | Base Bid 15 300 |
|---|-----------------------|

Division V — Electrical Work

| | |
|-------------------------------|--|
| Witte Electric Co., Champaign | Base Bid plus Additive Alternates E-2 and E-6..... 22 095 |
|-------------------------------|--|

Total \$179 725

It is further recommended (1) that all contracts, other than the contract for general work, be assigned to the contractor for general work, making the total of its contract \$179,725; and (2) that an agreement be entered into with the English Bros. Co. for such assignment.

The intent is to roof over two interior patios to provide additional space for administrative, instructional, and recreational programs—to provide a centrally located room to be used as an information center and for scheduling and reserving various building areas, a general meeting room for staff and visitors, and a classroom for ballroom dancing and other recreational activities. The project is scheduled to begin in March 1981 and to be completed in October 1981.

Funds are available from the proceeds of the sale of University of Illinois Auxiliary Facilities System Revenue Bonds, Series N.

A schedule of the bids received has been filed with the secretary of the board for record.

On motion of Mr. Howard, these contracts were awarded by the following vote: Aye, Mrs. Day, Dr. Donoghue, Mr. Forsyth, Mr. Hahn, Mr. Howard, Mr. Madden, Mr. Neal, Mr. Stone; no, none; absent, Mrs. Shepherd, Governor Thompson.

(The student advisory vote was: Aye, Mr. Maltese, Mr. Peterson, Mr. Silverman; no, none.)

Purchases

(19) The president submitted, with his concurrence, a list of purchases recommended by the directors of purchases and the executive vice president.

The list of purchases was presented in two categories: purchases from appropriated funds (i.e., from state appropriations to the University) and purchases from institutional funds. The latter term designates funds received by the University under contracts with the United States government, private corporations, and other organizations; grants from foundations, corporations, and other donors; and University revolving funds authorized by law.

The total amounts of these purchases were:

From Appropriated Funds

Recommended \$ 132 503 61

From Institutional Funds

Recommended 4 361 848 61

Grand Total \$4 494 352 22

A complete list of the purchases, with supporting information, including the quotations received was sent to each member of the board in advance of the meeting, and a copy is being filed with the secretary of the board for record.

On motion of Mr. Howard, this recommendation was approved by the following vote: Aye, Mrs. Day, Dr. Donoghue, Mr. Forsyth, Mr. Hahn, Mr. Howard, Mr. Madden, Mr. Neal, Mr. Stone; no, none; absent, Mrs. Shepherd, Governor Thompson.

(The student advisory vote was: Aye, Mr. Maltese, Mr. Peterson, Mr. Silverman; no, none.)

In the course of the consideration of a number of purchases having to do with computer equipment, Mr. Brady reviewed the University's use of computers in recent years as well as projections for the future. The pro-

jections included some of the purchases in this recommendation before the board. (Copies of tables and other materials presented to the board are filed with the secretary for record.)

Report of Purchases Approved by the Executive Vice President

(20) The executive vice president also submitted a report of purchases approved by him on recommendation of the directors of purchases in amounts of \$12,500 to \$15,000. A copy of this report is filed with the secretary.

This report was received for record.

The Comptroller's Monthly Report of Contracts Executed

(21) The comptroller's monthly report of contracts executed was presented.

Chicago Circle

New Contracts

| <i>With Whom</i> | <i>Purpose</i> | <i>Amount to be Paid to the University</i> |
|---|---|--|
| Anglo American Corporation of South Africa Limited | Patterns and processes of heavy mineral segregation in modern braided stream channels | \$ 12 600 |
| Chicago Alliance of Business Employment & Training Inc. | Provide comprehensive manpower services | 69 989 |
| City of Chicago, Department of Housing | Determine the allowable energy-conserving measures to be used in the home or apartment | 46 000 |
| City of Chicago, Department of Human Services | Conduct Mayor Byrne-Chicago Circle girl's summer sports program 1980 | 24 500 |
| Donald I. Kane Associates | CETA client survey | 6 348 |
| National Dairy Council | Comprehensive evaluation of a nutrition education system | 115 000 |
| SRI International | Fraud and abuse in government benefit programs | 88 128 |
| State of Illinois, Department of Children and Family Services MCS253007 | Design a research survey of the Citizen Review Boards | 10 546 |
| State of Illinois, Department of Commerce and Community Affairs 81-4610 | Development of an information and research system | 79 091 |
| State of Illinois, Department of Public Aid: 2776 | Provide curriculum development and training to social service providers | 114 593 |
| 27759 | Assist in maintaining case load areas within Cook County | 29 286 |
| State of Illinois, Institute of Natural Resources 80-208 | Electric vehicle prospects for Illinois | 48 783 |
| United States Army DAAG 46-80-C-0081 | Nature of singularities in a two-dimensional problem | 35 093 |
| United States Department of Education 300800621 | Research studies in the area of communicative competence and attributions | 449 965 |
| United States Department of Energy DE-AC02-80ET33065 | Isotopically selected ultraviolet multiquantum processes in simple molecules | 98 541 |
| United States Department of the Navy: N00014-80-C-0708 | Research inverse scattering problems using Randon transform theory and polarization information | 120 000 |
| N00014-80-C-0773 | Copolarization null properties of various radar targets | 171 582 |
| University of Chicago, Argonne National Laboratory: 31-109-38-6150 | Correlations for heat transfer and vapor/liquid interaction in falling film heat exchangers | 10 000 |
| 31-109-38-6160 | Biomass environmental and management program: wood combustion, gasification, and liquefaction | 15 026 |
| <i>Total</i> | | <u>\$1 545 071</u> |

New Contracts

| <i>With Whom</i> | <i>Purpose</i> | <i>Amount to be Paid by the University</i> |
|---|---|--|
| The Glen Ellyn Clinic S.C. Corp. (Subcontract under U.S. Department of Health, Education, and Welfare I R01 NS15100-01) | Recruit participants to measure back motion and strengths in low-back syndrome patients and in healthy subjects | \$ 13 800 |
| <i>Total</i> | | \$ 13 800 |

Change Orders

| <i>With Whom</i> | <i>Purpose</i> | <i>Amount to be Paid to the University</i> |
|--|--|--|
| City of Chicago | Determine the allowable energy conserving measures to be used in the home or apartment | \$ 28 182 |
| University of Chicago, Argonne National Laboratory | Assignment of Dr. Chiu as scientist in residence | 15 573 |
| G. F. Connelly Co., Inc. | Error by contractor in preparation of bid | (10 824) |
| <i>Total</i> | | \$ 32 931 |

Work Orders

| <i>With Whom</i> | <i>Purpose</i> | <i>Amount to be Paid by the University</i> |
|--------------------------------|---|--|
| G&M Electrical Contractors Co. | Install new wiring and electric power in southeast part of the Formfit building | \$ 18 500 |
| <i>Total</i> | | \$ 18 500 |

Medical Center

New Contracts

| <i>With Whom</i> | <i>Purpose</i> | <i>Amount to be Paid to the University</i> |
|---------------------------|---|--|
| Illinois Cancer Council | Patient accrual, treatment, and follow-up and development of new protocols | \$ 8 265 |
| World Health Organization | Literature surveillance on plants associated with potential fertility-regulating activity | 30 000 |
| <i>Total</i> | | \$ 38 265 |

Change Orders

| <i>With Whom</i> | <i>Purpose</i> | <i>Amount to be Paid to the University</i> |
|--|--|--|
| Northwestern University PARFR-95N | Develop a reversible VAS deferens blocking device | \$ 108 548 |
| United States Environmental Protection Agency 68-03-2562 | Evaluation of photo dynamic biomass data on organic extracts | 12 010 |
| <i>Total</i> | | \$ 120 558 |

Work Orders

| <i>With Whom</i> | <i>Purpose</i> | <i>Amount to be Paid by the University</i> |
|---|--|--|
| The Narowetz Heating & Ventilating Co.: 005464 | Ventilation work to modify the nurses' call system in O.R. suite | \$ 13 542 |
| 005457 | Replace sheaves and belts and rebalance air quantity for the ventilation system in the University of Illinois Hospital | 24 000 |
| Tal Rauhoff Inc. | Removal of construction rubble from University of Illinois Hospital | 20 045 |
| <i>Total</i> | | \$ 57 587 |

Urbana-Champaign

New Contracts

| <i>With Whom</i> | <i>Purpose</i> | <i>Amount to be Paid to the University</i> |
|--|--|--|
| American Meat Exchange | Conduct a test of electronic marketing of meat | \$ 165 000 |
| Battelle Memorial Institute | Calculate the probable leach rates of nuclear waste forms by aqueous solutions | 97 712 |
| The Bio-Energy Council | Evaluation of grass-legume biomass production systems | 27 000 |
| Holstein-Friesian Association of America | Genetic evaluation of categorical traits in Holstein cattle | 16 400 |

| <i>With Whom</i> | <i>Purpose</i> | <i>Amount to be Paid to the University</i> |
|---|---|--|
| Housing Authority of the City of Evansville | Housing research and development program | \$ 6 869 |
| National 4-H Council | Youth-serving agencies outreach and involvement demonstration project | 76 144 |
| Ross Laboratories | Protein quality and metabolic response in term infants | 69 661 |
| Southern Illinois University ILL-79-XPL | Stable isotope variations in coal and associated mineral matter | 61 687 |
| Springfield Urban League, Inc. | Experimental mixed-income youth program | 60 451 |
| State of Illinois, Board of Education X241 | Develop a competency test for school bus drivers | 15 000 |
| State of Illinois, Board of Higher Education | Develop a manual on resources available in post- secondary education to meet the needs of CETA programs | 5 740 |
| State of Illinois, Department of Agriculture | Conduct an Agricultural Youth Institute in June 1981 | 7 731 |
| State of Illinois, Department of Conservation: | | |
| 27805 | Biology of the Illinois chorus frog | 20 332 |
| 27797 | Evaluation of bullfrog management in Illinois | 19 954 |
| 27792 | Larval fish survival and their value as forage | 41 324 |
| State of Illinois, Institute of Natural Resources 90.028 | Biodynamics of selenium in the vicinity of coal- fired electric generating station | 17 108 |
| United States Department of the Army DAAK11-81-C-0011 | Interactions between multiple objects in a hyper- velocity flow regime | 58 995 |
| United States Department of Commerce, National Oceanic and Atmospheric Admin- istration NA81AA-D-00022 | Seasonal snow cover and atmospheric variability | 17 625 |
| United States Department of the Navy N00014-81-K-0034 | Individual differences and training of automatic/ control heterarchical processing | 64 508 |
| United States National Aero- nautics and Space Administration: | | |
| NAG-1-138 | Automate the management of software produc- tion systems | 64 918 |
| NAG 3-149 | Investigation of adaptive multibeam phased array technique | 35 000 |
| NAG 3-153 | Lubricating effectiveness of solid lubricant addi- tives in mineral oils | 34 445 |
| NAG 5-132 | Tropical cyclone track and genesis forecasting | 34 347 |
| NAS-5-26405 | Research in the design and application of parallel processors | 485 298 |
| University of Utah (Sub- contract under Public Health Service Grant 5R01MH 31606-02) | Research on neurophysiological correlates of Pav- lovian conditioned responses | 34 469 |
| <i>Total</i> | | <hr/> \$1 537 718 |

New Contracts

| <i>With Whom</i> | <i>Purpose</i> | <i>Amount to be Paid by the University</i> |
|--|---|--|
| Southern Illinois University 80-132 (Subcontract under Texas A&M Research Foundation, subcontract no. L800146) | Economically and environmentally sound systems of integrated pest management for major crops | \$ 29 080 |
| <i>Total</i> | | <hr/> \$ 29 080 |

Change Orders

| <i>With Whom</i> | <i>Purpose</i> | <i>Amount to be Paid to the University</i> |
|--|--|--|
| Champaign Consortium SUS-648-81 | Provide employment under the comprehensive employment act | \$ 8 170 |
| Northeastern Illinois Planning Commission 80C-272/79C-224 | Lake Ellyn bed bottom analyses and observations | 16 536 |
| State of Illinois, Department of Transportation, Division of Water Resources | Illinois-Lake Michigan coastal studies | 90 731 |

| <i>With Whom</i> | <i>Purpose</i> | <i>Amount to be Paid to the University</i> |
|--|---|--|
| United States Department of the Army DAAG29-80-C-0011 | Surface ignition and heterogeneous catalysis of hydrocarbon fuel | \$ 61 846 |
| United States Department of Commerce, National Oceanic and Atmospheric Administration NA80AA-D-00059 | Nexrad predesign studies | 10 368 |
| United States Department of Energy DE-AC02-76ER02383 | Interactive systems for differential equations which arise in modeling and simulation | 220 000 |
| United States National Aeronautics and Space Administration: NSG 1609 NGR-14-005-181 | Study of potential solar-pumped laser systems Rocket studies of the lower ionosphere | 60 000 450 000 |
| The Upper Mississippi River Basin Commission | Comprehensive master plan for the management of the upper Mississippi River system | 86 627 |
| <i>Total</i> | | <u>\$1 004 278</u> |

Work Orders

| <i>With Whom</i> | <i>Purpose</i> | <i>Amount to be Paid by the University</i> |
|---|---|--|
| Page and Associates (Sub-contract under EPA Grant CR808514) | Development and application of an advanced utility simulation | \$ 13 675 |
| <i>Total</i> | | <u>\$ 13 675</u> |

Summary

| | |
|---|--------------------|
| Amount to be paid to the University: | |
| Chicago Circle | \$1 578 002 |
| Medical Center | 158 823 |
| Urbana-Champaign | 2 541 996 |
| <i>Total</i> | <u>\$4 278 821</u> |
| Amount to be paid by the University: | |
| Chicago Circle | \$ 32 300 |
| Medical Center | 57 587 |
| Urbana-Champaign | 42 755 |
| <i>Total</i> | <u>\$ 132 642</u> |

This report was received for record.

Quarterly Report of the Comptroller

(22) The comptroller presented his quarterly report as of December 31, 1980.

This report was received for record, and a copy has been filed with the secretary of the board.

Comptroller's Report of Gifts and Funds Received from Outside Sources

(23) The comptroller presented a report of gifts, grants, and contract funds (including funds from private donors and funds received from governmental agencies) received by the University during the fiscal year July 1, 1979, through June 30, 1980.

The complete report was sent to each member of the board in advance of the meeting, and a copy is being filed with the secretary of the board.

A summary of the total amounts of funds received and sources follows.

Summary

| | |
|--|---------------------------|
| From Private Gifts, Grants, and Contracts: | |
| Chicago Circle | \$ 2 267 948 |
| Medical Center | 5 999 818 |
| Urbana-Champaign | 20 551 969 |
| General University Units | 647 112 |
| University of Illinois Foundation | 7 683 972 |
| <i>Subtotal</i> | <u>\$7 150 819</u> |
| Less Gifts Transferred from the University of Illinois Foundation to All Campuses.. | (5 218 677) |
| <i>Total Private Gifts, Grants, and Contracts.....</i> | <u>\$1 932 142</u> |

From United States Government Grants and Contracts:

| | |
|---|-------------------|
| Chicago Circle | \$ 9 778 587 |
| Medical Center | 23 239 282 |
| Urbana-Champaign | 57 873 487 |
| General University Units | 1 602 799 |
| Total United States Government Grants and Contracts..... | 92 494 155 |

From State of Illinois Grants and Contracts:

| | |
|--|--------------------|
| Chicago Circle | 558 979 |
| Medical Center | 918 302 |
| Urbana-Champaign | 8 279 083 |
| General University Units | 411 668 |
| Total State of Illinois Grants and Contracts..... | 10 168 032 |
| Grand Total | 134 594 329 |

Summary of Gifts, Grants, and Contracts by Location

| | |
|---|--------------------|
| Chicago Circle | 12 605 514 |
| Medical Center | 30 157 402 |
| Urbana-Champaign | 86 704 539 |
| General University Units | 2 661 579 |
| University of Illinois Foundation | 7 683 972 |
| Subtotal | 139 813 006 |

Less Gifts Transferred from the University of Illinois Foundation Included Above

| | |
|--------------------------------|----------------------|
| Chicago Circle | (364 811) |
| Medical Center | (1 061 774) |
| Urbana-Champaign | (3 785 739) |
| General University Units | (6 353) |
| Grand Total | \$134 594 329 |

Annual Report of the Treasurer

(24) In accordance with the Bylaws of the Board of Trustees, the treasurer of the University has submitted a report of receipts and disbursements of University funds in his custody for the period January 1, 1980, to December 31, 1980, certified by the comptroller. A copy of this report was sent to each member of the Board of Trustees prior to the meeting, and a copy is filed with the secretary of the board.

This report was received for record.

Report of Investment Transactions through January 30, 1981

(25) The comptroller presented the investment report as of January 30, 1981.

Transactions under Finance Committee Guidelines

| <i>Date</i> | <i>Number</i> | <i>Description</i> | <i>Cost/Yield</i> | <i>Amount</i> |
|-------------------|---------------|------------------------------------|-------------------|---------------|
| Sale: | | | | |
| 1/21 | \$ 191 000 | City Products demand notes.. | \$191 000 00 | \$ 191 000 00 |
| Purchases: | | | | |
| 1/2 | \$ 1 000 | Ford Motor Credit "B" demand notes | 17.37% | \$ 1 000 00 |
| 1/30 | 103 000 | J. P. Morgan demand notes..... | 18.16 | 103 000 00 |

Transactions under Comptroller's Authority

| <i>Date</i> | <i>Number</i> | <i>Description</i> | <i>Cost/Yield</i> | <i>Amount</i> |
|---------------|---------------|---|-------------------|---------------|
| Sales: | | | | |
| 12/16 | \$ 10 000 | Borg Warner Acceptance "A" demand notes | \$ 10 000 00 | \$ 10 000 00 |
| 12/17 | 10 000 | Ford Motor Credit "A" demand notes | 10 000 00 | 10 000 00 |
| 12/19 | 233 000 | J. P. Morgan demand notes.. | 233 000 00 | 233 000 00 |
| 12/19 | 154 000 | Texas Commerce Bancshares demand notes | 154 000 00 | 154 000 00 |
| 12/30 | 1 000 | Merrill Lynch demand notes | 1 000 00 | 1 000 00 |
| 1/2 | 2 000 | Ford Motor Credit "A" demand notes | 2 000 00 | 2 000 00 |

| <i>Date</i> | <i>Number</i> | <i>Description</i> | <i>Cost/Yield</i> | <i>Amount</i> |
|-------------|---------------|---|-------------------|---------------|
| 1/2 | \$ 11 000 | Texas Commerce Bancshares demand notes | \$ 11 000 00 | \$ 11 000 00 |
| 1/5 | 60 000 | Borg Warner Acceptance "A" demand notes | 60 000 00 | 60 000 00 |
| 1/5 | 900 000 | U.S. Treasury bills due 3/26/81 | 854 799 90 | 873 000 00 |
| 1/5 | 1 100 000 | U.S. Treasury bills due 6/18/81 | 1 013 547 68 | 1 034 705 22 |
| 1/7 | 400 000 | U.S. Treasury bills due 1/15/81 | 388 653 33 | 398 666 67 |
| 1/12 | 200 000 | U.S. Treasury bills due 2/12/81 | 191 506 67 | 197 373 61 |
| 1/14 | 13 000 | Ford Motor Credit "A" demand notes | 13 000 00 | 13 000 00 |
| 1/16 | 200 000 | U.S. Treasury bills due 3/12/81 | 189 888 89 | 195 309 72 |
| 1/16 | 250 000 | U.S. Treasury bills due 5/21/81 | 232 820 14 | 236 892 36 |

Repurchase Agreement:

| | | | | |
|-----|------------|--|--------|----------------|
| 1/8 | \$ 900 000 | U.S. Treasury 8¼ percent notes due 6/30/82 and | | |
| | 1 500 000 | U.S. Treasury bills due 4/28/81 for 4 days with The First National Bank of Chicago | 17.75% | \$2 400 000 00 |

Purchases:

| | | | | |
|-------|------------|---|--------|--------------|
| 12/19 | \$ 100 000 | Federal Farm Credit 15.35 percent bonds due 6/1/81 | 16.72% | \$ 99 343 75 |
| 12/19 | 100 000 | Federal National Mortgage Association 15¼ percent debentures due 2/10/82 | 15.34 | 99 875 00 |
| 12/19 | 100 000 | U.S. Treasury 13¾ percent notes due 11/30/82 | 14.57 | 98 781 25 |
| 12/19 | 100 000 | Federal National Mortgage Association 14.10 percent debentures due 2/10/84 | 14.06 | 100 125 00 |
| 1/6 | 1 000 | Ford Motor Credit "A" demand notes | 16.95 | 1 000 00 |
| 1/7 | 1 500 000 | First National Bank of Chicago 16½ percent certificate of deposit due 3/25/81 | 16.50 | 1 500 000 00 |
| 1/9 | 320 000 | U.S. Treasury bills due 6/25/81 | 15.09 | 299 069 33 |
| 1/12 | 2 000 000 | First National Bank of Chicago 17% percent certificate of deposit due 2/25/81 | 17.88 | 2 000 000 00 |
| 1/13 | 12 000 | Ford Motor Credit "A" demand notes | 16.95 | 12 000 00 |
| 1/19 | 1 000 000 | First National Bank of Chicago 17% percent certificate of deposit due 5/13/81 | 17.63 | 1 000 000 00 |
| 1/20 | 2 000 000 | Bloomington Federal Savings and Loan 18 percent certificate of deposit due 4/8/81 | 18.00 | 2 000 000 00 |
| 1/20 | 100 000 | U.S. Treasury bills due 7/16/81 | 15.27 | 93 018 33 |
| 1/21 | 13 000 | Associates demand notes | 15.63 | 13 000 00 |
| 1/21 | 500 000 | Continental Bank 15% percent time deposit due 7/17/81 | 15.75 | 500 000 00 |

| <i>Date</i> | <i>Number</i> | <i>Description</i> | <i>Cost/Yield</i> | <i>Amount</i> |
|-------------|---------------|--|-------------------|---------------|
| 1/21 | \$ 285 000 | U.S. Treasury bills due 4/9/81..... | 15.77% | \$ 275 583 12 |
| 1/21 | 70 000 | U.S. Treasury bills due 6/25/81.... | 13.99 | 65 828 78 |
| 1/22 | 360 000 | U.S. Treasury bills due 12/3/81..... | 14.82 | 318 672 00 |
| 1/23 | 3 000 000 | First National Bank of Chicago 18 percent certificate of deposit due 3/23/81 | 18.00 | 3 000 000 00 |
| 1/26 | 1 000 000 | Continental Bank 17¼ percent time deposit due 4/24/81..... | 17.25 | 1 000 000 00 |
| 1/27 | 3 300 000 | U.S. Treasury bills due 7/16/81..... | 15.43 | 3 075 883 34 |
| 1/1-31 | 202 867 | First National Bank of Chicago 5¼ percent open-end time deposit..... | 5.25 | 202 866 66 |

On motion of Mr. Howard, this report was approved as presented.

SECRETARY'S REPORT

The secretary presented for record appointments to the faculty and changes of status made by the president, resignations, leaves of absence, and retirements. A copy of the report is filed with the secretary.

ANNOUNCEMENTS FROM THE PRESIDENT OF THE BOARD

President Stone called attention to the schedule of meetings for the next three months: March 19, Chicago Circle; April 16, Urbana-Champaign; May 21, Medical Center.

CALENDAR, 1981-82

The secretary presented a calendar of meetings for the next several months. By consensus, the board agreed not to schedule a meeting in December of 1981. The remainder of the calendar as presented was approved.

There being no further business, the board adjourned.

EARL W. PORTER
Secretary

PAUL STONE
President

LUNCHEON GUESTS

Guests of the board at the luncheon were the deans and directors and student leaders at the Medical Center campus.