

**ANNUAL MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**January 15, 1981**



The annual meeting of the Board of Trustees of the University of Illinois was held in the General Lounge, Illini Union, Urbana, Illinois, on Thursday, January 15, 1981, beginning at 8:30 a.m.

President William D. Forsyth, Jr., 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, Mrs. Nina T. Shepherd, Mr. Paul Stone. Governor James R. Thompson was absent. The following non-voting 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.

Mr. Costello, the university counsel, spoke to a confidential memorandum dated January 12, 1981, which had been distributed to the trustees with regard to "Martin vs. Reed" (Case No. 79 L 342 now before the Circuit Court of Cook County) a matter dealing with a claim of medical malpractice and involving questions of policy not previously considered or resolved by the Board of Trustees. Mr. Costello reviewed the facts of the case and the implications of the policy matter involved, asking for a general consensus to proceed as indicated in the memorandum with the understanding that policy aspects and other matters would be discussed later. By consensus, the trustees agreed that the University should proceed as indicated. (A copy of the confidential memorandum was filed with the secretary for record.)

### EXECUTIVE SESSION ADJOURNED FOR COMMITTEE MEETINGS

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

The Board of Trustees' regular meeting reconvened at 9:45 a.m.

### WELCOME AND INSTALLATION OF NEW TRUSTEES

President Forsyth welcomed the two new trustees, elected in November and now attending the first meeting of their terms, Mrs. Galey S. Day of Rockford and Mr. Dean E. Madden of Decatur. He welcomed them to service on the board, read a brief installation statement, and conducted a formal swearing-in ceremony. (Mrs. Madden was also in attendance for the ceremony.)

### SPECIAL ORDER OF BUSINESS

#### Election of Officers

##### President of the Board

Mr. Forsyth, indicating that he was retiring as president of the board after two terms, expressed his appreciation for the cooperation he had received from the trustees and the staff during the last two years, noting that his service was coincidental with the selection and election of a new president of the University, the launching of the Campaign for Illinois, and other significant activities.

Mr. Howard, in responding for himself and others, expressed thanks to Mr. Forsyth for an exceptional effort, for his personal sensitivity and care in the leadership he had provided. At the conclusion of his remarks, the trustees and officers joined in a standing ovation in tribute to Mr. Forsyth.

Mr. Forsyth thereupon asked for nominations for president of the board. Mr. Howard nominated Mr. Paul Stone and the nominations were

closed. By unanimous ballot, Mr. Stone was elected president to serve until the next annual meeting of the board or until his successor shall have been elected.

Mr. Stone took the chair, expressing his appreciation for what he termed an exceptional honor. He indicated his intent to serve to the extent of his ability and stated his hope that he might serve as effectively as had Mr. Forsyth.

#### Executive Committee

Mr. Stone then asked for nominations for the Executive Committee.

Mr. Neal nominated Mr. Hahn and Mrs. Shepherd to serve as members of the Executive Committee, with the president of the board as chairman, *ex officio*.

The nominations were closed, and by unanimous ballot Mr. Hahn and Mrs. Shepherd were declared elected members of the Executive Committee to serve until the next annual meeting of the board or until their successors shall have been elected.

#### Secretary, Comptroller, and University Counsel of the Board

In accord with the Bylaws of the board, the president of the University had conveyed his advice to the board that the three incumbents — Earl W. Porter, secretary of the board; Ronald W. Brady, comptroller of the board; and James J. Costello, university counsel — be reelected. Mr. Neal moved that a unanimous ballot be cast for their election. The nominations were closed, a unanimous ballot was so cast, and the incumbents — Mr. Porter, Mr. Brady, and Mr. Costello — were declared elected secretary, comptroller, and university counsel of the board, respectively, to serve until the next annual meeting of the board or until their successors shall have been elected.

#### Treasurer of the Board

Mr. Forsyth rose to ask that Mr. Manchester (and Mrs. Manchester) come forward to receive an expression of appreciation for Mr. Manchester's long service as treasurer and on the occasion of his retirement from that office. He read the following resolution and moved its approval. The resolution was approved by a standing vote.

#### Resolution

*To Robert R. Manchester:*

The Board of Trustees of the University of Illinois records its grateful appreciation of your dedicated service to this institution.

Your seventeen years as treasurer of the Board of Trustees have been exceeded by only one other treasurer in the history of the University. You have worked closely in that position with three presidents. No present trustee and few officers of the University have served with any other treasurer.

Your loyalty and commitment to your alma mater, from which you received your baccalaureate and law degrees, have been shown in many ways, including your life membership in the Alumni Association.

But it is in the position of treasurer, which requires of the incumbent absolute integrity, that your signal contribution has been made. The respect and confidence of the members of the board and the officers of the University have marked your term. The faithful and generous gift of your time to this responsibility has set an impeccable standard.

The president of the University and other officers of the University join the trustees in this expression of sincere appreciation. We look forward to your continued involvement in the affairs of your alma mater and extend to you and Mrs. Manchester our best wishes for the years ahead.

The Board of Trustees directs that this resolution be incorporated in the minutes of today's meeting to become a part of the official public record, and that a suitable copy be given you as a permanent reminder of the esteem and affection in which you are held.

Mr. Manchester spoke briefly, reviewing his many years' association with the trustees and with the presidents and other officers of the University, noting that the experience had been an added and treasured dimension to his and to his wife's lives; Mrs. Manchester spoke briefly in appreciation of the tribute.

Mr. Stone thereupon asked for nominations for treasurer and Mr. Forsyth nominated Bernard T. Wall, a vice president of the First National Bank of Chicago. (He noted that Mr. Wall was an alumnus of the University having received his bachelor's degree in 1960 with honors and his law degree in 1962 with honors.) Mrs. Shepherd expressed a wish to second the nomination. Thereupon, the nominations were closed and by unanimous ballot Mr. Wall was elected treasurer to serve until the annual meeting of 1983 or until his successor shall have been elected and qualified.

#### **Treasurer's Bond**

On motion of Mr. Forsyth, the amount of the treasurer's bond was fixed at \$6,000,000.

On motion of Mr. Howard, the Finance Committee was instructed to see that the treasurer presents a satisfactory bond in the amount specified above and to report the same to the board.

#### **Authority to Receive Moneys**

Dr. Donoghue offered the following resolution and moved its adoption:

*Resolved* that the Treasurer of the Board of Trustees of the University of Illinois be, and hereby is, authorized to receive and receipt for all moneys and to endorse all orders, drafts, and checks due and payable to the Board of Trustees or to the University of Illinois and especially all drafts drawn by the Treasurer of the United States payable to the Board of Trustees or the University of Illinois.

The resolution was unanimously adopted.

#### **Delegation of Signatures**

On motion of Mr. Forsyth, the following resolution was unanimously approved.

*Resolved* that the President of the Board of Trustees is authorized to delegate to such individuals as he may designate from time to time authority to sign his name as President of the Board of Trustees to vouchers presented to the State Comptroller and authority to sign his name to warrants on the University Treasurer covering vouchers approved in accordance with regulations approved by the board; and

*Resolved* further that the Secretary of the Board of Trustees is authorized to delegate to such individuals as he may designate from time to time authority to sign his name as Secretary of the Board of Trustees to vouchers presented to the State Comptroller and to warrants on the University Treasurer covering vouchers approved in accordance with regulations of the Board.

*Be It Further Resolved* that the First National Bank of Chicago, as a designated depository of Bernard T. Wall, Treasurer of this corporation, be and it (including its correspondent banks) is hereby requested, authorized, and directed to honor checks, drafts, or other orders for the payment of money drawn in this corporation's name, including those drawn to the individual order of any person or persons whose name or names appears thereon as signer or signers thereof, when bearing or purporting to bear the facsimile signatures of the two following: President and Secretary; and the First National Bank (including its correspondent banks) shall be entitled to honor and to charge this corporation for all such checks, drafts, or other orders, regardless of by whom or by what means the facsimile signature or signatures thereon may have been affixed thereto, if such facsimile signature or signatures resemble the facsimile specimens duly certified to or filed with the First National Bank of Chicago by the Secretary or other officer of this corporation. And be it further

*Resolved* that the State Comptroller is hereby authorized and directed to honor vouchers bearing facsimile signatures of the President and Secretary of the Board of Trustees of the University of Illinois if such facsimile signatures resemble the facsimile specimens duly certified to or filed with the State Comptroller by the Secretary.

These authorizations are to continue in effect until the State Comptroller has been supplied with specimen signatures of succeeding officers of this Board.

### RECESS

The board recessed briefly to permit the taking of photographs of the officers and members of the board.

The regular meeting of the Board of Trustees reconvened at 10:50 a.m.

### BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

President Ikenberry recognized and introduced observers from the campus senates and from the University Senates Conference.<sup>1</sup>

### 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.

<sup>1</sup> University Senates Conference: Horace W. Norton, professor of statistical design and analysis in animal science, Urbana-Champaign campus; Chicago Circle Senate: Frank Tachau, professor and chairman of the Department of Political Science; Urbana-Champaign Senate Council: Bernice Hulsizer, physics librarian and associate professor of library administration.

### **University Budgets, Fiscal Year 1982**

President Ikenberry reported briefly on the recently announced recommendations of the Board of Higher Education, noting that, although an overall increase of faculty and staff compensation of 10.5 percent would be recommended, this was computed on the basis of 90 percent of the salary base budget, a departure effectively reducing the amount that might be available from new state appropriations by 1 percent. He identified a paradox in this year's budget review, in that the governor had announced his intention of providing funds to enable the University to catch up with peer institutions in other states; but that this commitment comes at a time when there is a downturn in state revenues.

He reported further on a meeting with presidents of other midwestern universities, commenting that Illinois compared quite favorably with some of these institutions where cuts in the base budgets are being required in the light of the economic situation.

### **Inquiry from the University of Wisconsin**

President Ikenberry reported briefly on a letter of inquiry from the president of the University of Wisconsin (directed to universities in other states, as well) in which the University was asked to consider developing a contractual relationship by which Wisconsin residents might be trained in veterinary medicine at the University of Illinois. The state of Wisconsin does not have a College of Veterinary Medicine. He reported that no specific proposal was yet before the University; that such a step would require the University to evaluate its obligation to the state prior to making such a commitment; and that he was merely reporting the preliminary inquiry at this time.

### **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 12 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, under Section 5 of the Illinois Accountancy Act of 1943, as amended, to twenty-eight 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.

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 names of the candidates are filed with the secretary.

I concur in these recommendations.

The names of the candidates are filed with the secretary.

On motion of Dr. Donoghue, these certificates were awarded.

#### **Dean, College of Architecture, Art, and Urban Sciences, Chicago Circle**

(2) The chancellor at Chicago Circle has recommended the appointment of Richard R. Whitaker, presently professor of architecture and acting dean of the College of Architecture, Art, and Urban Sciences, as dean of the college beginning January 16, 1981, on a twelve-month service basis at his current annual salary of \$54,500.

Professor Whitaker will continue to hold the rank of professor of architecture on indefinite tenure. He assumed the acting deanship of the college beginning August 1, 1979, upon the resignation of Alan Voorhees on July 31, 1979.

This recommendation is made with the support of the executive committee of the college. The vice president for academic affairs concurs in this recommendation.

I recommend approval.

On motion of Dr. Donoghue, this appointment was approved.

#### **Head, Department of Family and Consumer Economics, Urbana**

(3) The dean of the College of Agriculture has recommended to the chancellor at Urbana-Champaign the appointment of Dr. Frances M. Magrabi, formerly program coordinator, human resources, family living, and home economics, United States Department of Agriculture, as head of the Department of Family and Consumer Economics effective January 16, 1981, on a twelve-month service basis at an annual salary of \$46,500.

Dr. Magrabi was appointed professor of consumption economics on indefinite tenure and acting head of the department effective January 5, 1981. The headship has been vacant since Dr. Marilyn M. Dunsing became director of the School of Human Resources and Family Studies in May 1979. Dr. Jeanne L. Hafstrom served as acting head through August 20, 1980, and Dr. Sonya B. Salamon since August 21, 1980.

The nomination is made with the advice of a search committee,<sup>1</sup> upon the recommendation of the director of the School of Human Resources and Family Studies and after consultation with members of the department of professorial rank. The chancellor and the vice president for academic affairs approve the recommendation.

I recommend approval.

On motion of Dr. Donoghue, this appointment was 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

<sup>1</sup> Kathryn K. Rettig, assistant professor of home management, *chairwoman*; Andrea H. Beller, assistant professor of family economics; Jeanne L. Hafstrom, associate professor of family and consumer economics; and Janet I. Weaver, assistant professor of household equipment extension.

- 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. KENNETTE M. BENEDICT, assistant professor of political science, beginning August 21, 1981 (1), at an annual salary of \$18,000.
2. JONATHAN D. CASPER, professor of political science, beginning August 21, 1981 (A), at an annual salary of \$34,000.
3. EDWIN C. HAHN III, assistant professor of veterinary pathobiology, on 50 percent time, and of veterinary programs in agriculture, on 50 percent time, beginning December 1, 1980 (1Y), at an annual salary of \$28,000.
4. LYNDA C. HARRIMAN, assistant professor of vocational and technical education, beginning January 6, 1981 (N), at an annual salary of \$19,000.
5. GARY B. JOHNSON, assistant professor in the Institute for Environmental Studies, beginning November 21, 1980 (N), at an annual salary of \$21,000.
6. TY A. NEWELL, assistant professor of mechanical engineering, beginning November 14, 1980 (1Y), at an annual salary of \$23,200.
7. HOWARD THOMAS, professor of business administration, beginning January 6, 1981 (A), at an annual salary of \$39,500.

### Medical Center

8. WINIFRED P. SCOTT, assistant professor of occupational therapy, College of Associated Health Professions, on 40 percent time, beginning November 1, 1980 (NY40), at an annual salary of \$8,800.
9. GLENN S. TAKIMOTO, assistant professor of pharmacology, Rockford School of Medicine, beginning January 1, 1981 (1Y), at an annual salary of \$21,000.
10. PETER O. WAYS, professor of health professions education, Center for Educational Development, on 60 percent time, October 1, 1980, through August 31, 1982 (QY60), at an annual salary of \$36,000.
11. ROBERT H. WILLIAMS, assistant professor of medical laboratory sciences, College of Associated Health Professions, beginning November 1, 1980 (1Y), at an annual salary of \$24,000.

### Chicago Circle

12. WINSTON E. GOODEN, assistant professor of psychology, beginning September 1, 1980 (1), at an annual salary of \$18,000.
13. PETER B. HALES, assistant professor of the history of architecture and art, beginning September 1, 1980 (1), at an annual salary of \$16,500.
14. ANATOLY S. LIBGOBER, assistant professor of mathematics, beginning September 1, 1980 (3), at an annual salary of \$17,556.
15. RITA M. RODRIGUEZ, professor of finance, beginning September 1, 1980 (A) (on leave full-time, fall quarter and 50 percent time, winter and spring quarters), at an annual salary of \$35,000.
16. MARK A. RONAN, assistant professor of mathematics, beginning September 1, 1980 (3), at an annual salary of \$18,356.



17. NANCY K. STAHLY, assistant reference librarian with the rank of assistant professor, Library, beginning December 1, 1980 (1Y), at an annual salary of \$15,500.

#### **Administrative Staff**

18. ROBERT P. BENTZ, associate director of Cooperative Extension Service and associate professor of agricultural economics, Urbana, beginning November 21, 1980 (NY;AY), at an annual salary of \$48,000.
19. SUZANNE W. GREENBERG, assistant director, Office of Administrative Information Systems and Services, Urbana, beginning December 1, 1980 (NY), at an annual salary of \$31,000.

On motion of Dr. Donoghue, these appointments were confirmed.

#### **Modifications in Deadlines for Payment of Tuition and for Withdrawal, Summer Session, Urbana**

- (5) The chancellor at the Urbana-Champaign campus has recommended modifications in the summer session time schedule for the payment of tuition and fees and for withdrawal from the University. These modifications would be effective for the 1981 session.

Essentially, the changes are to reduce slightly the allowable time for payment of tuition and fees and to increase slightly the time for withdrawal from the summer session. (At present deadlines are equivalent to those used for the fall and spring semesters even though the length of the summer term is approximately one-half that of a semester.)

The modifications are as follows:

1. Summer session students would be given six and one-half class days (presently ten) in which to provide for payment of their tuition and fees. However, their provisional registration status would be allowed for an additional seven calendar days (presently fourteen) to arrange for payment of tuition and fees with the payment of an additional \$25 late registration charge.
2. Students would be allowed seven class days in which to withdraw from the summer session and still receive a full refund of tuition and fees assessed, except for the nonrefundable charge (present policy allows five days). This revision equalizes the refund consequences for those students leaving school either before or after paying tuition and fees.

The executive vice president concurs in the recommendation.

I recommend approval.

On motion of Dr. Donoghue, these modifications were approved.

#### **Designation of Electrical Engineering Concentration, Bachelor of Science in Engineering, Chicago Circle**

- (6) The Chicago Circle Senate has recommended the designation of an electrical engineering area of concentration for the degree of Bachelor of Science in Engineering.

The new designation is a combination of two existing areas of concentration now offered in the College of Engineering: communication engineering and electromagnetic and electronic engineering. The specialization in electrical engineering is, therefore, not a new offering of the college, but a "reasonable and moderate extension" of existing programs involving a somewhat different combination of current offerings.

The new designation is in keeping with a recommendation made by the official accreditation body in engineering. (The two existing areas of concentration will continue to be offered until the combined area now recommended is accredited.)

This retitling is a change toward traditional nomenclature used in the engineering field. It represents no change in courses taken for graduation by current engineering students.

No additional resources are required by the new designation.

The chancellor at the Chicago Circle campus and the vice president for academic affairs have recommended approval. The University Senates Conference has indicated that no further jurisdiction is involved. This change will be reported to the Illinois Board of Higher Education as a "reasonable and moderate extension" of existing programs.

I recommend approval.

On motion of Dr. Donoghue, this recommendation was approved.

### **President's Report on Actions of the Senates**

#### **Revision of the Engineering Core Curriculum for the Bachelor of Science in Engineering, Chicago Circle**

(7) The Chicago Circle Senate has approved a proposal by the College of Engineering to reduce the number of hours in the engineering science core curriculum from 41 quarter hours to 34 quarter hours. The number of hours required in chemistry, mathematics, and physics remains unchanged. The hours gained are to be added to the student's area of concentration to give more depth and flexibility in professional work. The changes which were made in the core curriculum permit changes in each of the areas of concentration (see the items which follow).

The change was suggested by the official accreditation body in engineering during its last visit and is in keeping with the engineering core curricula of other engineering schools.

#### **Revision of the Bachelor of Science in Engineering, Chemical Engineering Area of Concentration, Chicago Circle**

The Chicago Circle Senate has approved a proposal to increase the credit hours from 3 quarter hours to 4 quarter hours for the following three required courses: Energy Engineering 232, Materials and Energy Balances; Energy Engineering 287, Mass Transfer Operations; and Energy Engineering 345, Introduction to Chemical Process and Energy Conversion Control. The change will increase the total hours required in the chemical engineering area of concentration from 61 quarter hours to 64 quarter hours. The content of the courses warrants an increase in credit and contact hours.

#### **Revision of the Bachelor of Science in Engineering, Fluids Engineering Area of Concentration, Chicago Circle**

The Chicago Circle Senate has approved the addition of an existing course to the list of required courses in the fluids engineering area of concentration. The newly required course, which will carry 4 quarter hours credit, is Energy Engineering 218, Applied Fluid Mechanics. The change will increase the total hours required in the fluids engineering area of concentration from 48 to 52 quarter hours.

#### **Revision of the Bachelor of Science in Engineering, Thermo-mechanical and Energy Conversion Engineering Area of Concentration, Chicago Circle**

The Chicago Circle Senate has approved a change increasing the technical elective requirement from 8 quarter hours to 12 quarter hours in the thermo-mechanical and energy conversion engineering area of concentration. The change, which increases the total hours for this area of concentration from 48 to 52

quarter hours, will give the students more latitude in selecting courses to complement their work in this area.

#### **Revision of the Bachelor of Science in Engineering, Applied Mechanics Area of Concentration, Chicago Circle**

The Chicago Circle Senate has approved a revision of the applied mechanics area of concentration. The revision substitutes a new course for an existing course on the list of required courses and adds an 8-hour technical elective requirement to the curriculum to be selected from a list of existing courses. The change, which will increase the total hours in the applied mechanics area of concentration from 48 to 56 quarter hours, is considered essential for students specializing in this area.

#### **Revision of the Bachelor of Science in Engineering, Manufacturing Engineering Area of Concentration, Chicago Circle**

The Chicago Circle Senate has approved a revision of the manufacturing engineering area of concentration. The revision includes the addition of four existing courses to the list of required courses, and the addition of three courses and the dropping of one course from the list of technical elective courses. The changes decrease the technical electives required from 24 to 12 quarter hours and increase the total hours required for specialization in manufacturing engineering from 48 to 50 quarter hours. The courses to be made requirements are considered essential to the student's professional education. The technical electives still give some flexibility in choosing electives to complement the area of specialization.

#### **Revision of the Bachelor of Science in Engineering, Mechanical Analysis and Design Area of Concentration, Chicago Circle**

The Chicago Circle Senate has approved a revision of the mechanical analysis and design area of concentration. The change involves the dropping of one course and the addition of two courses to the list of required courses. It also involves increasing the technical elective requirement from 4 to 8 quarter hours. The changes increase the total hours in the area of concentration from 48 to 56 quarter hours.

The added courses are considered to be essential for students specializing in this area.

#### **Revision of the Bachelor of Science in Engineering, Metallurgy Area of Concentration, Chicago Circle**

The Chicago Circle Senate has approved a revision of the metallurgy area of concentration. The change involves the addition of two courses and the elimination of one course from the list of required courses. It also involves a revision of the number of hours credit granted in the following required courses: Materials Engineering 250, 251, 252, and 239. The changes will increase the total hours required in the area from 48 to 56 quarter hours. The newly required courses are considered essential to the students specializing in metallurgy.

#### **Revision of the Bachelor of Science in Engineering, Structural Engineering and Materials Area of Concentration, Chicago Circle**

The Chicago Circle Senate has approved a revision of the structural engineering and materials area of concentration. The changes include the addition of two courses to the list of required courses, an increase in the technical electives required from 8 to 12 quarter hours, and a change in the list of courses from which a student may select technical elective courses. The new requirements are considered essential to the students specializing in this area.

### **Revision of the Bachelor of Science in Engineering, Industrial Engineering Area of Concentration, Chicago Circle**

The Chicago Circle Senate has approved a revision of the industrial engineering area of concentration. The revision includes the addition of two courses to the list of required courses and increasing the total hours required for the industrial engineering specialization from 48 to 54 quarter hours. In addition, there are revisions in several of the required courses. The added requirements are deemed essential to a student specializing in this area.

### **Revision of the Bachelor of Science in Engineering Science, Engineering Physics Area of Concentration, Chicago Circle**

The Chicago Circle Senate has approved a revision of the engineering physics area of concentration which is associated with the College of Liberal Arts and Sciences. The revision adds one 4-hour course to the list of required courses. The total number of hours needed for students in this area of concentration is increased from 44 to 48 quarter hours. In addition, the student is permitted additional flexibility in choosing engineering design courses. The additional requirement was necessary because it is a prerequisite for two other courses in the area.

### **Revision of the Bachelor of Science in Engineering, Communication Engineering Area of Concentration, Chicago Circle**

The Chicago Circle Senate has approved a revision of the communication engineering area of concentration. The change allows revision of the area into two options, communications and control systems; requires 8 quarter hours of technical electives; and increases the total hours required for specialization in the area from 48 to 60 quarter hours. The subdivision of the communication engineering area was recommended by the official accreditation body in engineering.

### **Revision of the Bachelor of Science in Engineering, Electromagnetic and Electronic Area of Concentration, Department of Information Engineering, Chicago Circle**

The Chicago Circle Senate has approved a revision of the electromagnetic and electronic area of concentration. The change allows the revision of the area into four options: computer systems, electromagnetics, electronic circuits, and integrated electronics; requires 8 quarter hours of technical electives; and increases the total hours required for specialization in the area from 48 to 60 quarter hours. The subdivision of the electromagnetic and electronic engineering area was recommended by the official accreditation body in engineering.

### **Revision of the Bachelor of Science in Engineering, Computer and Information Systems Area of Concentration, Chicago Circle**

The Chicago Circle Senate has approved a revision of the computer and information systems area of specialization. The change increases the technical electives from 8 to 16 quarter hours and expands the list of courses. The change also increases the total number of hours required for specialization in the area from 48 to 52 quarter hours. The revision was made due to the restructuring of the engineering common core (see item 1 above).

### **Revision of the Major in Biological Sciences in the College of Liberal Arts and Sciences, Chicago Circle**

The Chicago Circle Senate has approved a revision of the major in biological sciences. The change would add the provision that at least 8 of the 48 required quarter hours must be at the 300-level.

### **Deletion of Three Engineering Areas of Concentration, Chicago Circle**

The Chicago Circle Senate has approved the deletion of the following areas of concentration: environmental engineering, systems analysis and design, and urban and transportation systems engineering. The areas are being deleted because of low enrollment. During the past three years, the average enrollment in these areas was less than seven. The few students who are currently in these areas will be allowed to finish their programs. None of the courses offered in the three areas is being dropped.

### **Educational Studies Subspecialization for the Master of Education Degree, Chicago Circle**

The Chicago Circle Senate has approved a recommendation from the College of Education for the establishment of a new subspecialization in educational studies under the instructional leadership specialization leading to the degree of Master of Education. The other subspecializations are early childhood, programs for schools and institutions, and reading.

The proposed subspecialization is designed to meet the needs of students who want a flexible, individually designed program. The program does not lead to certification.

This report was received for record.

### **Renaming of Buildings, College of Veterinary Medicine, Urbana**

(8) The dean of the College of Veterinary Medicine at the Urbana-Champaign campus has recommended the renaming of several buildings at the college's south campus location in order to overcome the confusion created by the buildings' current names. He has also asked that a name be approved for one building now under construction.

The two components of one interconnected building now designated the Veterinary Medicine Animal Clinic and Hospital and the Veterinary Medicine Hospital would be renamed the Veterinary Medicine Teaching Hospital. The building now designated Large Animal Clinic and Hospital would be renamed Veterinary Medicine Surgery and Obstetrics Laboratory. The building currently under construction, which will house the college's basic sciences programs, would be named the Veterinary Medicine Basic Sciences Building.

The chancellor concurs in the proposed building names.

I recommend approval.

On motion of Dr. Donoghue, these recommendations were approved.

### **Amendment to Agreement for Use of Space with Ozark Air Lines, Willard Airport Administration Building**

(9) Under a July 1, 1978, agreement Ozark Air Lines is committed to pay the University \$41,676 annual rent for space in the Willard Airport Administration Building through February 28, 1994. These payments, together with rental payments from other tenants in the building, and other funds available in the airport commercial account, provide for the debt service on the Willard Airport Operations Revenue Bonds of 1978. (Such payments, while adequate to meet the debt service requirements, are not adequate to meet the University's commitment under the Willard Airport Revenue Bond of 1978 that a repair and replacement reserve of \$125,000 be built-up over the life of the bond issue.)

Ozark is willing to amend the 1978 agreement to provide that, effective January 1, 1981, and continuing through February 1, 1993, in addition to the \$41,676 annual space rental payments provided for in the original agreement, Ozark would pay a monthly rate of \$376. This rate, with accumulated interest

earned on payments received, should provide approximately \$86,250 by February 28, 1993, a sum which, in relation to the \$125,000 requirement under the Revenue Bond, is commensurate with Ozark's share of the space in the building. These "reserve account" payments, together with the rental payments, would be applied in accordance with the revenue bond covenants.

In return for this additional payment, the University would agree to extend the space rental agreement from February 28, 1994, to February 29, 1996. During this period Ozark would pay a bare rent, exclusive of charges for service, to be determined at that time based on the bare rent then being charged others for like space.

The amendment would also provide that in the event Ozark should cease operations at Willard Airport, Ozark may elect to continue making the space rental payments and the "reserve account" payments in the amounts and at the times specified in the agreement as amended or may prepay the same.

The chancellor at the Urbana-Champaign campus and the executive vice president have recommended that the present agreement be amended as described. I concur.

On motion of Dr. Donoghue, this recommendation was approved.

#### **Agreement for Services with Ozark Air Lines, Willard Airport**

(10) The present agreement with Ozark Air Lines for services provided by the University at the Willard Airport Administration Building, including operation and maintenance service, expired June 30, 1980. However, with authorization from the Board of Trustees, it has been extended through January 1981 with the understanding that the rates in the new agreement, when determined, would be retroactive to July 1, 1980.

Negotiations for a new agreement have been completed. The new one-year agreement provides that beginning July 1, 1980, Ozark will pay \$37,681 annually for operation and maintenance service and: \$100 per year for the use of 100 square feet for storage space in a "T" hangar, \$180 per year for use of Musak music systems, \$450 per year for secure storage in the basement of the airport administration building, and a sum equivalent to 28¢ per 1,000 lbs. gross landing weight per Ozark aircraft landed at Willard.

In addition, Ozark would agree to pay the University its pro rata share of necessary facilities maintenance costs relating to the airport administration building and would agree to maintain a balance in a Facilities Maintenance Fund of \$10,828, provided that any unencumbered balance remaining at termination of occupancy of the premises by Ozark will be refunded to Ozark. The fund will be used to meet the costs of facilities maintenance work.

The net effect of the new agreement, therefore, is to increase the amount for operation and maintenance services by approximately \$7,580 and the landing fee by 3¢ per 1,000 lbs. gross landing weight.

The agreement would also provide for an appropriate reduction in Ozark's payment for operation and maintenance services in the event that space presently designated as common area is granted to others.

The chancellor at the Urbana-Champaign campus and the executive vice president recommend that the comptroller and the secretary be authorized to execute an agreement as described above.

I concur.

On motion of Dr. Donoghue, this recommendation was approved.

#### **Agreement to Train Aircraft Maintenance Personnel, Urbana**

(11) Saudi Arabian Airlines, an agency of the government of Saudi Arabia, has requested the Institute of Aviation at the Urbana-Champaign campus to train forty-

five of its employees in aircraft maintenance. The institute has been asked to present the full Federal Aviation Administration-approved airframe and power plant curriculum. Credit toward a degree will not be given.

The period of training will be eighty-two weeks beginning February 1, 1981. Saudi Arabian Airlines will pay the University all direct and indirect costs incurred by the University in presenting the program. The total estimated cost for the performance of the agreement is \$742,900 based on an estimated annual cost of \$434,410.

The institute and the University will benefit substantially from the agreement: 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 purchased under the agreement.

I recommend acceptance of this agreement subject to further action by the Illinois Board of Higher Education.

On motion of Dr. Donoghue, this recommendation was approved.

### **Recommendations of the University Patent Committee**

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

1. *"SYNSKIN" A Series of Synthetic Polymerizing Coprecipitates* — Abe Widra, associate professor of microbiology in microbiology and immunology, Medical Center, inventor.
2. *System for Separation of Water from the Working Fluid in the OTEC Power Plant* — Ejup N. Ganic, associate professor of heat transfer in energy engineering, Chicago Circle, inventor.
3. *An NFSA-based Processor for Matching Patterns of Characters* — Roger L. Haskin, former graduate research assistant in computer science, and Lee A. Hollaar, former senior research engineer in the Computing Services Office and assistant professor of computer science, Urbana, inventors; developed with support from the National Science Foundation.
4. *Improved Quantum-well Heterostructure Devices* — Nick Holonyak, Jr., professor of electrical engineering, Urbana, and James J. Coleman, Rockwell International, inventors; developed with support from the National Science Foundation.

University Patents, Inc., reported that it would like to commercialize these discoveries and file patent applications. The University Patent Committee recommends that the rights of the University in all four be transferred, in the last two cases subject to the rights of the sponsor, to the University of Illinois Foundation for commercialization.

5. *CRUDAWAY* — Abe Widra, associate professor of microbiology in microbiology and immunology, Medical Center, inventor.

University Patents, Inc., exercised its right of first refusal in this case and returned it to the foundation which has now returned its rights to the University of Illinois. The committee recommends that the rights of the University be released to the inventor with retention of shop rights.

6. *Atmospheric Dehydration of Ground Meat* — Marvin P. Steinberg, professor of food engineering in food science, William A. Smialek, former research assistant in food science, and Kevin W. Lang, graduate research assistant in food science, Urbana, inventors.

University Patents, Inc., reported that because of resemblance to previously patented inventions and a lack of interest by industrial concerns, it did not wish to file a patent application on this case. The committee recommends that the University retain shop rights and release all other patent rights to the inventors.

7. *Use of Fluorescent Conjugated Nucleotides to Measure Antinucleic Acid Antibody Activity in Antisera and Autoimmune Diseases*—Edward W. Voss, Jr., professor of microbiology, and Robabeh Rezaei Kardost, graduate student in microbiology, Urbana, inventors.

The concept was published during March 1980 and it is very likely to have commercial interest according to a telephone conversation with University Patents, Inc. The University Patent Committee recommends that the University transfer its rights to the University of Illinois Foundation for commercialization.

8. *Cis- and Trans-2-substituted 2-phenylcyclohexyl N,N-dialkylaminoethyl Ethers and Their Heterocyclic Analogs as Hypotensive Agents*—Matthias C. Lu, associate professor of medicinal chemistry, and Emmanuel B. Thompson, associate professor of pharmacology in pharmacognosy and pharmacology, Medical Center, inventors.

University Patents, Inc., recommended that the rights not be transferred to the University of Illinois Foundation for commercialization. The University Patent Committee recommends that the University retain shop rights and transfer all other patent rights to the inventors.

I concur in these recommendations.

On motion of Dr. Donoghue, these recommendations were approved.

By consensus, the board agreed that one vote would be taken and considered the vote on each agenda item nos. 13 through 16 inclusive. The recommendations were individually discussed but acted upon at one time.

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

### **Contract for Exhibition, Krannert Art Museum, Urbana**

(13) The chancellor at the Urbana-Champaign campus has recommended that a contract be executed with the American Federation of Arts in New York to bring an exhibition, "5000 Years of Art," from the Metropolitan Museum of Art to the Krannert Art Museum for the period January 3 through February 28, 1982.

The exhibition consists of objects dating from 3000 B.C. to the twentieth century, illustrating important world cultures and styles in the history of art. The extensive collections of the Metropolitan Museum are being shared through this exhibition with other participating museums. The Krannert Art Museum constituency consists of specialists and students in many fields of art, as well as the general public in central Illinois; hence, the exhibit is expected to have considerable educational value.

The contract will require payment by the University of \$22,000 plus prorated transportation charges. Funds to support the contract are available in the institutional funds budget, Urbana-Champaign campus, approved by the Board of Trustees for fiscal year 1981.

Accordingly, it is recommended that the comptroller and the secretary be authorized to execute a contract with the American Federation of Arts for the loan of the exhibition as described above. The executive vice president has concurred.

I recommend approval.

On motion of Mr. Hahn, this recommendation was approved by the following vote: Aye, Mrs. Day, Dr. Donoghue, Mr. Forsyth, Mr. Hahn,



Mr. Howard, Mr. Madden, Mr. Neal, Mrs. Shepherd, Mr. Stone; no, none; absent, Governor Thompson.

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

#### **Contract for Isolated Electrical Power Systems, University of Illinois Hospital, Medical Center**

(14) The president of the University, with the concurrence of the appropriate administrative officers, recommends award of a contract for \$35,200 to Divane Bros. Electric Co., Franklin Park, the low base bidder, to furnish and install isolated electrical power systems and equipotential grounding in five special procedures rooms in the University of Illinois Hospital at the Medical Center campus.

To satisfy code requirements and provide for patient safety, the special procedures rooms must be equipped with isolated ungrounded electrical service for operating equipment for patient diagnosis and an equipotential grounding system. The project consists of (1) furnishing and installing five isolated power supplies, which include isolation panels with transformers, branch circuit wiring, circuit protectors, tiled wall enclosures for the installed equipment, and electrical current leakage monitors and alarms; and (2) connecting all electrically conductive objects in the rooms to a common grounding system, i.e., equipotential grounding. The work is scheduled to begin in February 1981 and to be completed in April 1981.

Hospital income funds are available for this project.

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

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

#### **Agreement with Chicago Transit Authority (Medical Center Steam Plant Site)**

(15) The president of the University, with the concurrence of the appropriate administrative officers, recommends the adoption of the following resolution authorizing an agreement with Chicago Transit Authority (CTA) to amend and clarify the respective rights of CTA and the University of Illinois in land being conveyed to the University by the Medical Center Steam Company.

Under an agreement dated July 1, 1949, the Medical Center Steam Company (a corporation owned by Commonwealth Edison) built the Medical Center steam plant and is now preparing to convey the plant and its site to the University.

The CTA operates an elevated railway across a portion of the premises pursuant to property interests and rights obtained through condemnation proceedings in 1895 and a circuit court order on March 12, 1951. In 1950 CTA conveyed certain rights to use part of the CTA right-of-way land to Medical Center Steam Company, which, in turn, agreed to indemnify CTA against any liability arising out of the operation of the steam plant.

To eliminate the application of the indemnity obligation to the University when it accepts conveyance of the site, the Medical Center Steam Company has agreed to convey its rights under the 1950 grant back to CTA prior to conveying the site to the University. Independently, it is proposed that the CTA and the University enter into an agreement which will acknowledge both the pre-existing CTA rights and the University's rights to use the property in any manner not incon-

sistent with the CTA's rights, without any indemnity or hold harmless undertaking by the University other than the designation of CTA as a "covered person" under the University's Self-Insurance Plan. Such designation extends the coverage of the plan to the general and professional liabilities of CTA which arise out of tortious statements, acts, or omissions of University trustees, employees, or students while in the discharge of their University duties with respect to said property.

### Resolution

*Whereas*, an existing agreement entitles the Board of Trustees of the University of Illinois to a conveyance by Medical Center Steam Company (Grantor) of the land now occupied by Medical Center Steam Plant, and,

*Whereas*, under a 1950 agreement Chicago Transit Authority (CTA) conveyed to Grantor certain rights in the tracts occupied by each other adjacent to the Medical Center Steam Plant and Grantor provided CTA a hold harmless agreement which the University of Illinois has declined to ratify, and

*Whereas*, Medical Center Steam Company will release its rights under the 1950 agreement, and CTA and the University of Illinois are in mutual accord on an agreement to preserve said pre-existing mutual rights to the use of said premises with the elimination of said hold harmless agreement,

*Now, Therefore, Be It and It Is Hereby Resolved* by the Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the comptroller is authorized to execute and the secretary to attest and affix the corporate seal to a certain agreement with Chicago Transit Authority (CTA) entitled "Acknowledgement and Agreement Regarding Pre-Existing Easements, Authority Interest, and Licenses," as it applies to the premises described as follows:

The west twenty-six and seventy-five hundredths (26.75) feet of Lots One (1) to Ten (10), both inclusive, and the west twenty-seven (27) feet of Lots Eleven (11) to Sixteen (16), both inclusive, in Block Two (2) in Commissioner's Subdivision of Blocks Fourteen (14), Fifteen (15), Sixteen (16) and Twenty-one (21) in the Assessor's Division of the East Half (E ½) of the Southeast Quarter (SE ¼) of Section Eighteen (18), Township Thirty-nine (39) North, Range Fourteen (14) East of the Third Principal Meridian;

### Also

The west twenty-seven (27) feet of Lots One (1), Two (2) and Three (3), in Block Twenty (20) in S. H. Sweet's Resubdivision of Blocks Eighteen (18), Nineteen (19) and Twenty (20) in the Assessor's Division of the East Half (E ½) of the Southeast Quarter (SE ¼) of Section Eighteen (18), Township Thirty-nine (39) North, Range Fourteen (14), East of the Third Principal Meridian;

### Also

The alley west of and adjoining said lots:

All situated in the City of Chicago, County of Cook, and State of Illinois.

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

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

### Purchases

(16) The president submitted, with his concurrence, a list of purchases recommended by the directors of purchases and the executive vice president; also purchases authorized by the 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 ..... \$ 128 527 44

#### *From Institutional Funds*

Authorized ..... \$ 23 000 00

Recommended ..... 1 987 138 90

\$2 010 138 90

*Grand Total* ..... \$2 138 666 34

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. Hahn, the purchases authorized by the president were confirmed, and the purchases recommended were authorized by the following vote: Aye, Mrs. Day, Dr. Donoghue, Mr. Forsyth, Mr. Hahn, Mr. Howard, Mr. Madden, Mr. Neal, Mrs. Shepherd, Mr. Stone; no, none; absent, Governor Thompson.

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

### Report of Purchases Approved by the Executive Vice President

(17) 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

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

#### Chicago Circle

##### Work Orders

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>
G&M Electrical Contractors Co.	Cost-plus contract: Emergency pothead repairs for the Utility Center	\$ 15 000
	Cost-plus contract: Emergency cable repair for the Utility Center	24 500
The Nu-Way Contracting Corp.	Cost-plus contract: Boiler conversion and repairs for Formfit Building	21 529

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>
	Cost-plus contract: Upgrade filter systems for the fan systems in the Science and Engineering Laboratories	\$ 23 482
Pepper Construction Co.	Cost-plus contract: Rubbish removal via containers and snow removal for Chicago Circle Pavilion	15 000
Tal Rauhoff, Inc.	Cost-plus contract: Drapery replacement for the Lecture Center	13 179
	Cost-plus contract: Construction of a wheelchair lift at the Formfit Building	16 350
	Cost-plus contract: Glass replacement for various Chicago Circle buildings	20 000
<i>Total</i>		<u>\$ 149 040</u>

**Medical Center****New Contracts**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>
Illinois Institute of Technology (Subcontract under U.S. Public Health Service 1D18MB00282-01)	Chicago area health and medical career program	\$ 5 076
Methodist Medical Center	Design a curriculum in rheumatology	20 988
Pekin Memorial Hospital	Design a curriculum in dermatology	9 733
Saint Francis Hospital Medical Center	Design a curriculum in neurology	17 320
State of Illinois, Department of Mental Health and De- velopmental Disabilities 213	Conduct an Affective Disorders Clinic	91 206
United States Environmental Protection Agency 68-03-2936	Microbial dissimulation of 2,3,7,8 — Tetrachloro- dibenzo-P-Dioxin	74 984
United States Naval Admin- istrative Command N00128-80-C-0029	Analysis of crevicular fluid in diagnosis of perio- dental disease	33 953
World Health Organization 77918(c)	Isolation of fertility regulating agents from plants	76 476
<i>Total</i>		<u>\$ 329 736</u>

**Change Orders**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>
City of Chicago 47752	Model sexually transmitted disease training center	\$ 90 736
Northwestern University 0695-309	Nurse faculty research development in the Mid- west	101 922
State of Illinois, Institute of Natural Resources 90.023	Improvement of environmental and economic im- pact assessments for coal burning	36 850
United States Department of Health, Education, and Wel- fare, National Cancer Institute N01-CB-74214	Preparation and analysis of cell surface protein fraction	25 942
World Health Organization 78135	Isolation of fertility regulating compounds from plants	31 868
<i>Total</i>		<u>\$ 287 318</u>

**Work Orders**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>
The Nu-Way Contracting Corp.	Cost-plus contract: Heating and air conditioning work at the University of Illinois Hospital	\$ 22 409
	Cost-plus contract: Conduit cable extended from computer facilities to the nuclear medicine room	18 360
<i>Total</i>		<u>\$ 40 769</u>

## Urbana-Champaign

## New Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>
Altas Corp.	Summary of hail observations	\$ 5 409
American Cyanamid Co.	Levamisole as a potentiator of protective immunity to transmissible gastro enteritis of swine	29 900
Corporation for Public Broadcasting	1981 TV community service grant	326 347
	1981 radio community service grant	162 956
Crop-Hail Insurance Actuarial Association	Alternative crop insurance approach	11 086
EARTHWATCH	Ecology of tropical forest birds of Panama	10 000
General Electric Co.	Development of algorithms for automatically implementing boolean functions	14 788
Illinois Humanities Council	"Black Film: A Critical Perspective"	23 583
Morris Animal Foundation	Evaluation of canine lymphatic function	8 440
National Dairy Council	Orotic acid metabolism in man	25 000
Northern Illinois Water Corporation	Evaluation of the effectiveness of liming materials	27 787
Purdue University 0180-54-01 (Subcontract under U.S. Department of Energy DE-AC02-80ER10744	Instrumentation of X-ray diffraction and EXAFS on a synchrotron source	5 715
State of Illinois: Board of Education		
R-31-11-D-0531-445	Recruitment, retraining, and retention of teachers in VOTEC	50 000
R-35-11-X-0521-841	In-service staff development for vocational educators	5 650
State of Illinois, Bureau of Employment Security 92601-P-002	Work incentive program, motion-picture projectionist	9 802
State of Illinois, Department on Aging	Elect Illinois delegates to the national White House Conference on Aging	49 751
State of Illinois, Department of Agriculture, Division of Natural Resources	Lake renewal and watershed management of Lake Paradise	75 000
State of Illinois, Department of Conservation 30013	Unionid mollusk fauna of the Vermilion River system	14 200
State of Illinois, Department of Mental Health and Development Disabilities 8527	Develop systems of community living alternatives	15 958
State of Illinois, Department of Personnel 80IL30C	Joint labor-management quality of working life	7 043
State of Illinois, Department of Transportation MSI-5845-036	Motorcycle rider training	164 500
State of Illinois, Institute of Natural Resources 10.093		
32 INF	Characterization of urban and rural inhalable particulates	37 789
80.210	Printing of <i>Illinois Energy Conservation Program</i>	19 900
80.211	Illinois solar-weather program	58 413
FY81-1	Illinois windpower program	47 967
	Integrated biomass energy system for Illinois agriculture	77 500
FY81-7	Instrumentation of low energy consuming homes	66 385
United States Department of the Army:		
DACW25-81-C-0015	Water quality study of the Mississippi River	45 971
DACW43-81-C-0001	Water quality investigation and preparation of a report on Lake Shelbyville	42 816
DACW88-81-M-0134	Review and modification of EIFS/LECS hybrid model	9 107
DACW88-81-M-0135	Provide a report documenting modifications of the Environmental Technical Information System	9 955

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>
United States Department of Energy DE-FG02-81AF92002	Alcohol distillation by internal combustion engines	\$ 25 510
United States Department of the Interior:		
14-34-0001-1219	Development of instream flow requirements for aquatic insects	79 455
14-34-0001-1220	Post-mining development of southern Illinois strip-mine lakes	23 300
14-34-0001-1221	Isotopic and geological studies for high concentrations of 226-radium	34 898
14-34-0001-1222	Efficient water management of claypan soils in the Midwest	84 230
United States Department of the Navy N00612-81-H-0062	Educational services to government personnel	130 000
University of Miami (Subcontract under U.S. Department of Health, Education, and Welfare #300800690)	Organization of the demonstration center	34 577
Village of Park Forest	Evaluation of the Park Forest integration maintenance programs	14 040
Washington University:		
81-10	Program in medical mycology	12 000
81-16	Impurity and defect interaction in GaAs	51 113
<i>Total</i>		<u>\$1 947 841</u>

## New Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>
Northern Illinois University	Mineralogical sources of barium in cambro-ordovician aquifer rocks	\$ 14 198
University of Alabama 80-134 (Subcontract under USDA/SEA 78-59-2171-0-1-034-1)	Replication of a single-stranded DNA plant virus	27 628
<i>Total</i>		<u>\$ 41 826</u>

## Change Orders

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>
Control Data Corp. 125 Champaign Consortium	Provide PLATO IV terminals and services Clerk-typist I currently employed under CETA grant	\$ 46 400 8 092
General Electric Co.	Automated design methods for very large scale integrated circuits	74 309
Hoechst-Roussel Pharmaceuticals Inc.	Laboratory use for commercial testing	36 609
State of Illinois, Department of Transportation, Division of Water Resources	Floodplain data repository and index of information	52 721
State of Illinois, Environmental Protection Agency P005527	Assessing erosion and sedimentation in the Blue Creek Watershed, Pike County	24 570
State of Illinois, Institute of Natural Resources		
20.133	Reclamation of Illinois lakes	9 603
40.045	Bacteria in organically enriched ponds for the production of protein	39 438
40.046	Methodology and design criteria for disposal of dilute pesticide rinsate solutions	14 320
Texas A&M Research Foundation L800146	Development of comprehensive pest management for major crops	104 885
United States Department of Energy:		
DE-AC02-76ET52040	Study fusion-product transport in fusion plasma	100 000
DE-AC02-76EV00790	Mechanism of ion transport in corn root tissues	42 000
DE-AC02-76EV01199	Studies of rainout of radioactivity in Illinois	250 000
United States Department of Interior 14-34-001-0115	Provide support for annual water resources project	115 000
United States Department of Labor EEFID326	Occupational safety and health training for union and nonunion workers	133 405

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>
United States National Aeronautics and Space Administration:		
NAG5-85	Mass loss from selected supergiant stars	\$ 6 400
NSG5049	Atmospheric refraction and turbulence on the accuracy of laser systems	11 907
NSG7506	Studies of upper-atmosphere motions by VHF backscatter	85 000
United States Navy:		
N00014-75-C-0164	Numerical and approximate analysis techniques of structures	40 000
N00014-79-C-0775	Metric system "NP-Complete"	52 500
University of Chicago 31-109-38-5471	LMFBR safety-related phenomenological studies	30 000
University of Tennessee PI-57	Provide PLATO IV terminals and services	14 400
University of Wisconsin 144-Q115	Region V Child Abuse and Neglect Resource Center	13 437
<i>Total</i>		<u>\$1 304 996</u>

**Change Orders**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>
Southern Illinois University (Subcontract under U.S. Department of Interior J-0177-076)	Geological studies associated with USBM subsidence control	\$ 31 610
University of Virginia (Subcontract under NSF ATM 78-08865)	Low level convergence and the prediction of convective precipitation	56 010
<i>Total</i>		<u>\$ 87 620</u>

**Summary**

<b>Amount to be paid to the University:</b>		
Medical Center .....	\$ 617 054	
Urbana-Champaign .....	3 252 837	
<i>Total</i> .....	<u>\$3 869 891</u>	
<b>Amount to be paid by the University:</b>		
Chicago Circle .....	\$ 149 040	
Medical Center .....	40 769	
Urbana-Champaign .....	129 446	
<i>Total</i> .....	<u>\$ 319 255</u>	

This report was received for record.

**Report of Investment Transactions through December 31, 1980**

(19) The comptroller presented the investment report as of December 31, 1980.

**Transactions under Finance Committee Guidelines**

<i>Date</i>	<i>Number</i>	<i>Description</i>	<i>Cost/Yield</i>	<i>Amount</i>
<b>Sales:</b>				
11/21	500 shares	Atlantic Richfield common stock .....	\$ 6 211 83	\$ 34 333 85
11/21	\$ 578 000	Ford Motor Credit "A" demand notes .....	578 000 00	578 000 00
11/21	300 shares	Merck common stock .....	12 242 95	23 675 21
11/21	2 000 shares	Minnesota Mining common stock .....	84 988 97	115 336 15
11/21	\$ 54 000	J. P. Morgan demand notes ..	54 000 00	54 000 00
11/24	600 shares	American Home Products common stock .....	11 640 00	16 601 44
11/24	500 shares	Exxon common stock .....	12 617 72	41 698 61

<i>Date</i>	<i>Number</i>	<i>Description</i>	<i>Cost/Yield</i>	<i>Amount</i>
11/24	800 shares	Standard Oil of Indiana common stock .....	\$ 9 459 79	\$ 65 517 81
12/1 2	200 shares	Northwest Bancorporation common stock .....	34 398 93	55 328 14
12/2	400 shares	Exxon common stock .....	10 094 18	34 402 53
12/3	700 shares	American Home Products common stock .....	13 580 00	18 916 86
12/3	500 shares	Atlantic Richfield common stock .....	6 211 83	34 958 83
12/3	200 shares	Merck common stock .....	8 161 97	16 083 46
12/3 2	200 shares	Northwest Bancorporation common stock .....	34 398 93	54 778 16
12/3	900 shares	Standard Oil of Indiana common stock .....	10 642 26	80 142 59
12/4 2	070 shares	Minnesota Mining common stock .....	87 963 59	121 837 52
12/8	\$ 250 000	Household Finance demand notes .....	250 000 00	250 000 00
12/9	18 000	Associates demand notes....	18 000 00	18 000 00
12/10 1	300 shares	Delta Air Lines common stock	59 091 50	71 697 51
12/11	\$ 86 000	Borg Warner Acc. "B" demand notes .....	86 000 00	86 000 00
12/11	86 000	Merrill Lynch demand notes.	86 000 00	86 000 00
12/11 3	200 shares	Standard Oil of Indiana common stock .....	37 839 14	279 734 66

**Purchases:**

10/23	\$ 29 000	Associates demand notes.....	11.64%	\$ 29 000 00
10/23	17 000	Merrill Lynch demand notes.....	12.20	17 000 00
11/21	700 shares	Avon common stock.....	8.49	24 731 00
11/21	\$ 250 000	Fed. Farm Credit 11.70 percent bonds due 7/20/88 .....	12.86	234 687 50
11/21	250 000	Fed. Natl. Mortgage 12¼ percent bonds due 6/10/82.....	13.13	246 093 75
11/21	250 000	Fed. Natl. Mortgage 13 percent bonds due 11/12/85 .....	13.27	247 500 00
11/21	250 000	U.S. Treasury 11½ percent bonds due 11/15/95 .....	12.45	231 484 38
12/2	114 000	City Products demand notes.....	15.48	114 000 00
12/3	246 000	Ford Motor Credit "A" demand notes	16.65	246 000 00
12/5	91 000	City Products demand notes.....	16.07	91 000 00
12/8	250 000	U.S. Treasury 13½ percent bonds due 2/15/86 .....	13.56	249 427 50
12/11	250 000	Fed. Farm Credit 10.60 percent bonds due 10/1/89 .....	12.52	222 343 75
12/11	250 000	Fed. Home Loan Banks 11.10 percent bonds due 3/25/87.....	12.97	228 593 75

**Transactions under Comptroller's Authority****Sales:**

11/3	\$1 000 000	U.S. Treasury bills due 1/22/81 .....	\$ 964 058 33	\$ 971 333 33
11/5	1 000 000	U.S. Treasury bills due 1/22/81 .....	964 058 33	971 400 00



<i>Date</i>	<i>Number</i>	<i>Description</i>	<i>Cost/Yield</i>	<i>Amount</i>
11/6	\$1 000 000	U.S. Treasury bills due 1/22/81 .....	\$964 058 33	\$ 971 231 95
11/7	25 000	U.S. Treasury 8% percent notes due 6/30/83.....	24 858 75	22 938 13
11/10	100 000	U.S. Treasury bills due 1/15/81 .....	97 163 33	97 561 67
11/13	800 000	U.S. Treasury bills due 1/22/81 .....	771 246 67	779 388 89
11/13	800 000	U.S. Treasury bills due 3/26/81 .....	759 658 27	761 636 89
11/14	300 000	International Harvester Credit demand notes .....	300 000 00	300 000 00
11/24	499 000	International Harvester Credit demand notes .....	499 000 00	499 000 00
12/4	270 000	U.S. Treasury bills due 5/21/81 .....	251 965 89	251 730 00
12/9	250 shares	Millipore common stock.....	7 984 38	7 619 75
12/11	\$ 100 000	U.S. Treasury bills due 1/15/81 .....	97 163 33	98 298 61
12/12	23 000	Ford Motor Credit "B" demand notes .....	23 000 00	23 000 00
12/30	1 000 000	U.S. Treasury bills due 3/26/81 .....	949 777 66	996 030 00
12/31	500 000	U.S. Treasury bills due 3/26/81 .....	474 888 83	483 059 03
<b>Purchases:</b>				
10/15	\$ 146 000	Borg Warner Acc. "A" demand notes	11.64%	\$ 146 000 00
10/15	24 000	International Harvester Credit demand notes .....	11.92	24 000 00
10/15	23 000	Merrill Lynch demand notes.....	11.64	23 000 00
10/22	20 000	U.S. Treasury bills due 3/19/81.....	10.68	19 158 78
10/22	15 000	U.S. Treasury bills due 9/10/81.....	11.46	13 601 50
10/22	15 000	U.S. Treasury 6% percent notes due 2/15/82 .....	9.70	14 249 77
11/5	660 000	Continental Bank 14% percent time deposit due 7/31/81.....	14.13	660 000 00
11/6	8 000	International Harvester Credit demand notes .....	14.48	8 000 00
11/7	10 000	Borg Warner Acc. "A" demand notes	14.48	10 000 00
11/7	23 000	International Harvester Credit demand notes .....	14.62	23 000 00
11/7	32 000	J. P. Morgan demand notes.....	14.51	32 000 00
11/7	650 000	U.S. Treasury bills due 6/18/81.....	14.00	598 140 11
11/13	400 000	U.S. Treasury bills due 6/18/81.....	13.76	369 354 78
11/14	400 000	First National Bank of Chicago 14.85 percent certificate of deposit due 4/10/81 .....	14.85	400 000 00
11/17	8 000	J. P. Morgan demand notes.....	14.90	8 000 00
11/17	190 000	U.S. Treasury bills due 3/26/81.....	14.08	180 876 83
11/18	850 000	U.S. Treasury bills due 6/18/81.....	14.31	783 926 67
11/19	200 000	U.S. Treasury bills due 6/18/81.....	14.13	184 702 50
11/20	1 000 000	Continental Bank 15½ percent time deposit due 4/17/81.....	15.50	1 000 000 00

<i>Date</i>	<i>Number</i>	<i>Description</i>	<i>Cost/Yield</i>	<i>Amount</i>
11/20	\$ 24 000	Texas Commerce Bancshares demand notes .....	15.04%	\$ 24 000 00
11/21	1 000 000	First National Bank of Chicago 16% percent certificate of deposit due 2/23/81 .....	16.13	1 000 000 00
11/21	10 000	U.S. Treasury bills due 3/12/81....	13.07	9 612 63
11/24	499 000	Ford Motor Credit "B" demand notes	15.49	499 000 00
11/24	500 000	U.S. Treasury bills due 6/18/81.....	14.75	461 088 89
11/25	2 000 000	Northern Trust 16% percent certificate of deposit due 1/28/81.....	16.75	2 000 000 00
11/25	200 000	U.S. Treasury bills due 6/18/81.....	14.98	184 283 33
11/26	2 000 000	First National Bank of Chicago 16.80 percent certificate of deposit due 1/21/81 .....	16.80	2 000 000 00
11/26	300 000	U.S. Treasury bills due 7/16/81.....	14.85	273 803 33
12/1	145 000	U.S. Treasury bills due 3/26/81....	14.51	138 575 27
12/2	1 500 000	First National Bank of Chicago 17% percent certificate of deposit due 2/23/81 .....	17.38	1 500 000 00
12/3	100 000	First National Bank of Tuscola 17.786 percent certificate of deposit due 3/3/81 .....	17.79	100 000 00
12/3	11 000	Ford Motor Credit "A" demand notes	16.65	11 000 00
12/4	420 000	U.S. Treasury bills due 7/16/81.....	15.28	383 544 00
12/5	600 000	U.S. Treasury bills due 6/18/81.....	15.91	552 387 50
12/5	300 000	U.S. Treasury bills due 7/16/81.....	15.33	273 983 33
12/9	1 800 000	First National Bank of Chicago 19% percent certificate of deposit due 2/11/81 .....	19.25	1 800 000 00
12/9	95 000	Texas Commerce Bancshares demand notes .....	16.79	95 000 00
12/9	500 000	U.S. Treasury bills due 7/16/81....	16.20	455 135 42
12/10	2 000 000	First National Bank of Springfield 19% percent certificate of deposit due 1/14/81 .....	19.63	2 000 000 00
12/11	340 000	U.S. Treasury bills due 9/10/81.....	16.10	303 000 92
12/12	1 000 000	Continental Bank 20 percent time deposit due 5/8/81.....	20.00	1 000 000 00
12/12	1 200 000	First National Bank of Chicago 20% percent certificate of deposit due 3/11/81 .....	20.75	1 200 000 00
12/15	650 000	First National Bank of Chicago 20% percent certificate of deposit due 1/21/81 .....	20.25	650 000 00
12/19	300 000	First National Bank of Chicago 19.90 percent certificate of deposit due 1/30/81 .....	19.90	300 000 00
12/22	1 000 000	Continental Bank 19 percent time deposit due 1/21/81.....	19.00	1 000 000 00
12/22	2 000 000	Continental Bank 18% percent time deposit due 2/27/81.....	18.50	2 000 000 00

On motion of Mr. Neal, 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: February 19, Medical Center; March 19, Chicago Circle; April 16, Urbana-Champaign.

There being no further business, the board adjourned.

EARL W. PORTER  
*Secretary*

PAUL STONE  
*President*