

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

November 16, 1960



The November meeting of the Board of Trustees of the University of Illinois was held at the Chicago Professional Colleges, 833 South Wood Street, Chicago, Illinois, on Wednesday, November 16, 1960, beginning at 1:30 p.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Richard A. Harewood, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Mr. Wirt Herrick, Governor William G. Stratton, and Mr. George T. Wilkins were absent.

Also present were President David D. Henry, Vice-President and Provost Lyle H. Lanier, Dr. Joseph S. Begando, Assistant to the President and Acting Vice-President in charge of the Chicago Professional Colleges, Executive Dean C. C. Caveny of the Chicago Undergraduate Division, Mr. Ralph F. Leemann, Legal Counsel, Mr. C. S. Havens, Director of the Physical Plant, Mr. C. E. Flynn, Director of Public Information, Mr. Vernon L. Kretschmer, Director of Auxiliary Services; and the officers of the Board, Mr. H. O. Farber, Comptroller, Mr. C. W. Weldon, Treasurer, and Mr. A. J. Janata, Secretary.

MEETINGS OF COMMITTEES

Meetings of the Board's Committees on General Policy and Buildings and Grounds were held on Wednesday, November 16, 1960, beginning at 10:00 a.m.

ADDRESS BY MR. PARK LIVINGSTON

President Williamson announced that he had invited Mr. Park Livingston, a former member of the Board of Trustees for eighteen years (1941-59) and President of the Board for twelve of those years, and Chairman of the State Citizens Committee for the Universities Bond Issue, to today's meeting as a guest and to report on the work of the Committee.

Mr. Livingston was introduced and he addressed the Board briefly on the activities of the Committee. He cited examples of noteworthy services performed by a number of individuals, business and professional organizations, and other groups in presenting to the people of Illinois the facts about the Universities Bond Issue. He also reported on results known to date of the balloting on the bond issue in the 1960 election.

At the conclusion of his address, Mr. Wayne A. Johnston offered the following resolution, and moved its adoption:

In the summer of 1960, the Governor appointed a state "Citizens Committee for the Universities Bond Issue." This is a non-partisan committee. Its members include some 140 civic-minded men and women from all walks of life and all areas of the state. Working in cooperation with Committees on bond issue interpretation representing the constituencies of the state universities and with local county organizations, the state Committee devoted itself to informing the people of Illinois of the crisis in higher education they will face in the next ten years and the alternatives.

The Board of Trustees takes this occasion to express publicly its appreciation of the services of the state Committee and particularly of its Chairman, Mr. Park Livingston of Chicago, who did so much of the work. He gave the task at hand distinguished leadership, directed the state-wide activities effectively, and made numerous personal appearances at much sacrifice of time from his own affairs.

It is impossible to identify all of the other individuals who in one way or another worked on the interpretation of the bond issue, so that in this public recognition of the Committee's and Mr. Livingston's services, the Board would have it known it is also recording its appreciation of the services of all who worked with the Committee at all levels. In a public issue of this kind every effort counts.

This resolution was adopted by a standing vote.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY
The Board took up consideration of the following reports and recommendations from the President of the University.

ILLINI UNION AND HEALTH CENTER REVENUE BONDS

(1) The Vice-President and Comptroller submits the following recommendations relating to the issue of "The Board of Trustees of the University of Illinois Illini Union and Health Center Bonds, Series A and B of 1960."

The Comptroller and Secretary of the Board be authorized to execute a Loan Agreement with the Housing and Home Finance Agency upon terms satisfactory to the Comptroller and consistent with a resolution to be presented to the Board for adoption at a subsequent meeting;

The Series A bonds in the amount of \$5,200,000 be sold to Halsey, Stuart, and Company, Inc., and Associates at a price of \$5,151,670 and at an effective interest rate of 3.89162 per cent, which represents the lowest interest cost to the University;

The Series B bonds in the amount of \$2,750,000 be sold to the Housing and Home Finance Agency at an interest cost of 3½ per cent in accordance with and pursuant to the above mentioned Loan Agreement;

The bonds be executed by facsimile signatures of Frances B. Watkins and Timothy W. Swain, members of the Board, by the facsimile signature of Kenney E. Williamson, President of the Board, and by the signature of A. J. Janata, Secretary of the Board;

The firm of Chapman and Cutler be retained as bond counsel for this issue;

The Board ratify and confirm all actions taken or to be taken by the officers and members of the Board in connection with the sale and delivery of the bonds.

I concur.

On motion of Mr. Swain, the foregoing recommendations were approved by the following vote: Aye, Mr. Clement, Mr. Harewood, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mr. Stratton, Mr. Wilkins.

BIENNIAL OPERATING BUDGET

(2) The Board of Trustees at its meeting on July 26, 1960, approved recommendations for state capital appropriations for 1961-63. I now submit the operating budget estimates for the two-year period beginning July 1, 1961.

This budget has been in preparation for several months by the University's Budget Committee¹ under the chairmanship of the Vice-President and Provost, and in consultation by him with the deans, directors, and other administrative officers. The estimates prepared by the colleges, schools, institutes, and other departments have been carefully reviewed, revised, and in a number of cases substantially reduced. The University Council has likewise been consulted and has approved the estimates as now submitted.

This budget has also been carefully studied by the Finance Committee of the Board in two special work sessions in which other Trustees have participated.

I recommend that these budget estimates be approved as a basis for filing with the State Department of Finance and presentation to the state administration and to the Illinois Budgetary Commission.

The President of the University presented the recommendations in detail and invited discussion of them. His recommendations, together with the budget estimates and supporting materials, had been sent to all members of the Board for study several weeks in advance of today's meeting.

Mr. Swain, Chairman of the Finance Committee, reported that the budget recommendations had previously been considered by the Committee in consultation with the President of the University, other University officials, and other Trustees in two work sessions held on October 19 and November 10. Representatives of the press were invited to the Finance Committee meeting on November 10 to hear the discussion of the budget and for a press conference.

Following the presentation of these reports and recommendations, on motion of Mr. Swain, the following budget was approved, and the President of the University was authorized to file this budget with the Department of Finance; and the President of the Board, the Chairman of the Finance Committee, and the President of the University were authorized to represent the Board in conferences with state officials

¹ Lyle H. Lanier, Vice-President and Provost, Chairman; H. O. Farber, Vice-President and Comptroller; Joseph S. Begando, Acting Vice-President in charge of the Chicago Professional Colleges; F. T. Wall, Dean of the Graduate College; C. A. Knudson, Professor and Head of the Department of French; O. Burr Ross, Professor and Head of the Department of Animal Science; H. S. Stillwell, Professor and Head of the Department of Aeronautical Engineering; C. A. Moyer, Professor and Head of the Department of Accountancy; A. J. Schneider, Associate Professor of Accountancy, Chicago Undergraduate Division; W. V. Whitehorn, Professor of Physiology, Chicago Professional Colleges.

concerning the budget. This action was taken by the following vote: Aye, Mr. Clement, Mr. Harewood, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mr. Stratton, Mr. Wilkins.

UNIVERSITY OF ILLINOIS BIENNIAL BUDGET FOR OPERATIONS, 1961-63

Present Budget

The biennial budget of the University of Illinois consists only of those funds which require appropriation by the General Assembly. It does not include funds provided by non-state agencies or by auxiliary enterprises conducted by the University, which provide for approximately 30 per cent of the University's gross annual expenditures. The biennial budget for operations in 1959-61 totals \$55,905,000 a year, or, for the biennium, \$111,810,000 from tax funds and \$13,100,000 from University income, making a total of \$124,910,000. This budget was approved in 1959 with the understanding that \$4,000,000 would be reserved for salary adjustments and for the staff necessary to provide for the increased enrollment in the second year of the biennium. Therefore the funds in the budget were distributed so as to provide \$60,455,000 for 1959-60 and \$64,455,000 for 1960-61.

The biennial budget encompasses not only instruction on the University's three campuses, but also research activities, extension teaching, and other services to the people of the state.

Many University activities receive financial support from federal grants and contracts, and from private gifts. In addition, the University operates auxiliary enterprises such as residence halls, union building, and bookstores. Receipts from all these sources are estimated to total \$29,503,565 for 1960-61, and do not require appropriation by the General Assembly. They are included, however, in the annual budget for operations, which totals \$93,958,565 for 1960-61.

Procedures for Preparing Biennial Budget Requests for 1961-63

The biennial budget requested for 1961-63 is based upon recommendations made by a Budget Committee appointed by the President. This Committee consists of the Vice-President and Provost as chairman, the Vice-President and Comptroller, the Vice-President in charge of the Chicago Professional Colleges, the Dean of the Graduate College, and six faculty members from the three campuses, including representatives of the budget committees of the three Senates.

Preparation of the biennial budget for operations began the spring of 1960, with the submission of requests by the deans and directors for budget increases under Sections V, VI, VII, and VIII of the classification shown in Schedule A. Salary adjustments and the plan for staff health insurance (Sections III and IV) were considered separately by the Budget Committee on a University-wide basis. The asking under Section I was established by law, while that under II represents a funding of commitments made in the biennial budget for 1959-61.

The Budget Committee held a series of meetings during which it conferred with deans and directors concerning their requests. Analyses were made of previous biennial budget requests and of the uses made of funds allocated throughout the period 1953-60. The Committee also gave careful attention to the various proposals for salary increases, and made detailed comparisons of salaries at the University of Illinois with those of other comparable institutions. Estimates of enrollment were prepared for the Committee by the Bureau of Institutional Research, based upon studies of high school enrollments and trends in the proportions of high school graduates applying for admission to college. A parallel study of the office and laboratory space available to instructional units was made, in order to judge their capabilities for accommodating the new staff needed for the predicted increases in enrollment. On the basis of these several studies—including evaluations of urgent requests for increases to meet rising costs of operations and to provide for essential improvements—the Budget Committee recommended the increases shown in Schedule A.

Budget Summary

The requests for additional funds submitted by the deans and directors—plus the increases determined on a University-wide basis—totaled \$41,088,325 for

the biennium. After careful analysis of these requests, considering especially urgency of immediate action, the Budget Committee has reduced this figure and recommends an increase of \$31,360,000 over the appropriations for 1959-61 (an average of \$15,680,000 a year), or approximately 25 per cent of the current appropriations. The total requested budget of \$156,270,000 includes \$142,270,000 from tax revenues of the state and \$14,000,000 from University income. It is divided so as to provide \$75,610,000 for the first year of the biennium and \$80,660,000 for the second year. The higher amount in the second year will be needed primarily for salary adjustments, but also because of larger enrollment in that year. This means an added \$5,050,000 will be required in 1963-65 to maintain the level to be established during the second year of the coming biennium.

Schedule A is a summary statement of the funds requested under the several budget categories. The two columns show comparable figures for (a) increases originally requested by the deans and directors, and (b) amounts recommended by the Budget Committee.

Schedule A. Analysis of Increases Requested

	Requested by Deans and Directors	Amount Recom- mended
I. Contributions to University Retirement System..	\$ 884 100	\$ 884 100
II. To continue for a full biennium funds required for one year only in the 1959-61 biennium.....	4 000 000	4 000 000
III. Salary adjustments for all staff:		
A. 1961-62.....	10 400 000	10 400 000
B. 1962-63.....	4 200 000	4 200 000
IV. University's contribution to staff health insurance	600 000	600 000
V. To provide for increased enrollment 1961-62:		
A. Instructional staff.....	2 011 812	1 420 000
B. Nonteaching staff, expense, and equipment...	1 935 912	1 100 000
VI. To provide for increased enrollment in 1962-63 over 1961-62 level:		
A. Instructional staff.....	544 175	550 000
B. Nonteaching staff, expense, and equipment..	383 200	300 000
VII. To meet increased costs of operation:		
A. Operating costs of new buildings.....	255 900	255 900
B. Increases to maintain present level of services		
1. Increases in expense and equipment to meet accumulated deficiencies.....	4 277 264	2 700 000
2. Increases in auxiliary staff to meet accumulated deficiencies.....	3 600 962	2 000 000
C. Requests to continue on a permanent basis expenditures financed temporarily from savings and from other sources of temporary support...	600 000	600 000
VIII. Other improvements, including new areas of work:		
A. Staff for reduction of teaching overloads.....	1 238 120	400 000
B. Improvements in the educational program...	4 493 380	1 000 000
C. New programs.....	1 213 500	500 000
D. Special twelve-week summer session.....	500 000	500 000
E. Transfer of Police Training Institute to a separate appropriation.....	-50 000	-50 000
<i>Total Increases.....</i>	<i>\$41 088 325</i>	<i>\$ 31 360 000</i>
<i>Present Budget.....</i>		<i>124 910 000</i>
<i>Proposed Budget.....</i>		<i>\$156 270 000</i>

Fund Distribution

	General Revenue	Income Fund	Total
Present Budget.....	\$111 810 000	\$13 100 000	\$124 910 000
Increase.....	30 460 000	900 000	31 360 000
Proposed Budget.....	\$142 270 000	\$14 000 000	\$156 270 000

Explanation of Increases Requested

I. Contributions to University Retirement System..... \$ 884 100

The University Retirement System provides disability and retirement benefits to all permanent staff members and employees of the University, of all other state institutions of higher education, and of related organizations. The University of Illinois' share of the cost of the System is included regularly in its appropriations. An increase of \$884,100 for the biennium is required to continue the benefits provided under the law, mainly because of the larger number of persons who will be on retirement.

II. To Continue for a Full Biennium Funds Required for One Year

Only in the 1959-61 Biennium..... \$4 000 000

As reported to the Seventy-first General Assembly, \$4,000,000 was included for additional enrollment, operation of new buildings, and salary adjustments for 1960-61 only. In approving the budget, the General Assembly was informed that additional appropriations equal to this amount would be required in 1961-63 to continue for two years the level established in the 1959-61 biennial budget for only one year.

The 1959-60 budget was \$60,455,000 and the 1960-61 budget is \$64,455,000, or a total of \$124,910,000 for the biennium. Twice the 1960-61 budget is \$128,910,000, indicating that \$4,000,000 more is needed in 1961-63 to continue the present level of expenditures than was appropriated by the Seventy-first General Assembly for 1959-61.

III. Salary Adjustments for All Staff

1961-62..... \$10 400 000

1962-63..... 4 200 000

A. Academic Staff

The most serious problem facing higher education in the next decade is that of recruiting sufficient personnel to staff classes for nearly twice the present enrollment. Universities can ill afford to lose staff to other professions, and concerted efforts must be made to attract more persons into the teaching profession. Faculty salaries have lagged behind those of all other groups. This led the President's Committee on Education Beyond the High School to recommend that faculty salaries be increased to twice the 1956 level within five to ten years.

Prior to 1955, increases in salaries of the academic staff at the University of Illinois since the years immediately preceding World War II were less than the rise in the cost of living, while other groups in this country made significant gains in purchasing power. During the biennium 1955-57, salaries were increased to the level to which the cost of living had risen, but they were still far short of the gains made by United States employees in general.

Since 1957, the cost of living has risen more slowly than in previous years, and the funds provided by the General Assembly in 1957 and again in 1959 have enabled the University to make substantial improvements in the status of its academic staff. However, faculty salary improvements comparable to those of the past four years must be made in several future biennial periods before faculty salaries will reach those of comparable professions.

To illustrate the magnitude of the salary gap that remains to be closed, University of Illinois professors' salaries are now only 14 per cent above the 1940 average in terms of real earnings, while average annual earnings of all full-time employees in the United States in 1959 were 78 per cent above the 1940 level. All medical, legal, and engineering employees had advanced 77 per cent, while federal civilian workers were up 49 per cent and manufacturing employees 90 per cent. The average net professional income of physicians in independent practice had risen 106 per cent in 1957, the latest year for which data are available. Thus, even though education has contributed much to the economic development of the country, the educational profession in general—including the academic staff at the University of Illinois—has not shared equitably in the growth of the national economy.

As a result the average salary of lawyers in general is higher than the average salary of the full professor (representing the top 25 per cent of the faculty) at the University of Illinois. Physicians in private practice earn on the average more than one and one-half times the average professorial salary.

At a time when the number of faculty members must be rapidly expanded each year, there is an increasing shortage of well-qualified graduate students who enter the teaching profession. Technical advances in business and industry have so increased the demand for graduates with the Ph.D. degree that few universities can compete salary-wise with opportunities in these fields. Since the educational effectiveness of a university depends upon the quality of its faculty, and since the welfare of the state and the nation requires an increased output of better-trained students, it is essential that those already in the teaching profession not be easily enticed into other fields and that an increasing number of the ablest college graduates be encouraged to choose careers in university teaching and research. Many men and women are temperamentally attracted to the academic life, but an absolute essential to holding even these is a generous increase in the salary level.

While the universities must compete with industry and government for academic talent, the primary competition is with other universities. Occasionally, the University can attract distinguished persons to the faculty for salaries lower than those paid by industry or government, but it can almost never obtain a highly talented teacher or research person at a salary substantially below that of another comparable university. The improvement in salaries at the University of Illinois in the past four years has been matched by similar improvements at other major universities, so that little if any gain in the University's competitive position has been made.

In order to compare salaries at the University of Illinois with those at other similar institutions, salary data were requested from the thirty schools in the United States awarding the largest number of Ph.D. degrees. This group included all of the "Big 10" universities, several other state universities, and the leading eastern private schools. Among the twenty-seven from which data were obtained in 1959-60, the University of Illinois ranked eleventh for professors, thirteenth for associate professors, tenth for assistant professors, and eighth for instructors.

Because the lag in faculty salaries is nationwide, every college and university is striving to improve its salary scale. Substantial increases are necessary to "catch up" and "keep up." From such information as we have been able to obtain, the other large Midwestern universities are requesting funds for salary adjustments approximately comparable to those included in this request. Thus, with the salary increase appropriation requested here we should be able to maintain our present competitive position in relation to other schools, even though we may not make significant gains.

Depending upon the total finally provided for salary increases, appropriate adjustments will be made in minimum salaries for the academic ranks in the internal budget for 1961-62. Otherwise, all increases will be made on the basis of individual merit, in keeping with the established University practice.

B. Nonacademic Staff

The University is committed to a policy of paying prevailing rates where they have been established by collective bargaining within the community. To maintain equitable relationships, comparable consideration must be given to closely related classifications, to supervisory groups, and to positions of comparable or higher responsibility, training, and experience.

The University has met its commitments to the prevailing wage groups, and to a considerable degree has been able to maintain a reasonable relationship between these rates and other nonacademic salary ranges. The rapidly increasing scarcity of personnel with experience and training in professional, scientific, and management jobs has resulted in pressure on salary scales outside the University. This is true in nearly all the professional classifications related to medicine on the Chicago campus and in skilled and clerical positions at both Urbana and Chicago.

The sum requested will permit the University to meet the anticipated increases in prevailing rates, and to improve its position in those areas where adjustments are needed to bring rates into line with comparable positions in other employment.

IV. University's Contribution to the Health Insurance Program.....\$600 000

The University has provided, on a voluntary basis, hospital, medical, and surgical insurance for members of the staff and their dependents—with the pay-

ment of premiums by the employee. Two years ago a staff committee, including representation from the six state-supported institutions of higher education, made an exhaustive study and recommended a comprehensive plan whereby the universities would pay the full cost of the insurance for staff members and 50 per cent of the premium for dependents. This proposal was not approved by the General Assembly because of questions relating to comparable provision for other state agencies. Since that time the federal government has approved a program for federal employees, and the trend of providing such benefits by industry has continued.

Representatives of the six state-supported schools have again considered such a program, and all are recommending that funds to provide benefits similar to those proposed two years ago be included in the biennial appropriations for 1961-63. Under the present proposal, however, the state would pay only the cost of the insurance policy for the employee himself. The plan proposed would cover the first \$250 of all hospital expenses, and 80 per cent of additional costs. It would also cover 80 per cent of medical expenditures in excess of \$50 while hospitalized. Each person would be insured for a maximum benefit of \$15,000. The premiums for employees paid from other than state appropriations would be charged to the respective funds from which the employees are paid.

V. To Provide for Increased Enrollment in 1961-62

A. Teaching Staff.....\$1 420 000

Enrollment at the University of Illinois in 1960-61 exceeded by about 500 students the estimates on which the present biennial budgets were based. The excess has been absorbed partly through increases in teaching load beyond those anticipated in the provision made for increased enrollment, and partly by means of staff additions provided temporarily from budget savings. An estimated increase of approximately 1,000 additional students is expected in the regular session of 1961-62. It is estimated that 84 additional staff members at an average salary of approximately \$7,500 for the academic year would be needed for this increase (\$1,260,000 for the biennium). Some 50 staff members at an average salary of \$1,600 for the regular summer session will be needed to provide for the additional enrollment (\$80,000 per year or \$160,000 for the biennium). The total of \$1,420,000 for the biennium represents a reduction of almost 30 per cent from the figure of \$2,011,812 for the biennium requested by the deans and directors.

B. Nonteaching Staff, Expense, and Equipment.....\$1 100 000

It takes more than just teachers to provide university education for a student. As the enrollment increases, therefore, more counseling staff, laboratory assistants, technicians, and clerks are needed in the instructional departments. Library staff and book purchases must also be increased in proportion to the rise in enrollment. Although the relationship is not so direct, administrative services such as purchasing and collection of funds require modest increases in personnel. The work load of the Admissions and Records Office expands even more rapidly than the increase in enrollment, because students increasingly apply to several universities before deciding which one they will attend. Growth in enrollment has necessitated the conversion of the present tabulating equipment to IBM 1401 Electronic Data Processing equipment, which will involve a substantial increase in rental but will permit more rapid processing of business data and student records.

Deans and directors requested the sum of \$967,956 a year or \$1,935,912 for the biennium for nonteaching staff, expense, and equipment. The Budget Committee reduced these requests by more than 40 per cent to a total of \$1,100,000.

VI. To Provide for Increased Enrollment in 1962-63 over the 1961-62 Level

A. Teaching Staff.....\$550 000

The enrollment in the second year of the biennium is not estimated to increase as much as in the first year; however, approximately 800 additional students are expected. It is estimated that 67 additional staff members will be needed during the academic year 1962-63 and 32 additional staff members during the summer session of 1963. The amount recommended is slightly greater than that requested by the deans and directors, mainly due to shifts to the second year of the biennium of positions requested by deans and directors for the first year of the biennium.

B. Nonteaching Staff, Expense, and Equipment.....\$300 000

For the reasons stated above, additional funds are needed for nonteaching staff and supplies in connection with increased enrollment. The total of \$300,000 recommended represents a reduction of about 22 per cent from the total requested by deans and directors.

VII. To Meet Increased Costs of Operation

A. Operating Costs of New Buildings.....\$255 900

Although no new major buildings were provided from the state capital appropriations by the Seventieth General Assembly, funds were provided to supplement private gifts and grants from the federal government so that several small buildings are under construction during the present biennium: a laboratory building for research on insect-borne diseases, a zoonoses research building for the College of Veterinary Medicine, a building for the Institute of Labor and Industrial Relations, and some minor agricultural structures. These buildings will be put into use during the forthcoming biennium. Additional properties have been leased, and these will also require operating funds. Details of this item appear in Schedule B.

B. Increases to Maintain Present Level of Services

1. Increases in Expense and Equipment to Meet Accumulated

Deficiencies.....\$2 700 000

For the 1959-60 biennium, \$4,000,000 was requested to meet essential increases in expense and equipment budgets. The sum of \$2,750,000 which was provided by the General Assembly met the most urgent needs but still left a deficiency of \$1,250,000. In the meantime, prices of commodities and equipment have continued to rise, so that the total of \$4,277,264 requested by deans and directors for 1961-63 probably is well justified. Reluctantly, however, the Budget Committee recommended that this figure be lowered to \$2,700,000 in order to reduce the over-all biennial request.

A particularly acute problem exists in the Division of Services for Crippled Children, which is confronted with steadily increasing costs of hospital care, but has also had to assume the cost of treatment of poliomyelitis patients. Previously the local chapters of the National Foundation have been able to provide hospital care and therapy for children afflicted with polio; but as a result of reduction in contributions, the Foundation has not been able to provide for all the children needing care, and an increasing number of them have become the responsibility of the Division of Services for Crippled Children. The sum of \$200,000 is included in this item for hospital and medical care for polio patients.

2. Increases to Meet Accumulated Deficiencies in Auxiliary

Staff for Present Programs.....\$2 000 000

The deans and directors requested a biennial total of \$3,600,962 for supporting staff considered necessary to maintain satisfactory levels of teaching, research, and service conducted under existing programs. These requests consisted of several hundred items, each of them a relatively small amount but regarded as very important for the work of the individual department, teacher, or investigator. Frequently, it was stated that the request represented a deficiency of long standing, and many of the items had appeared repeatedly in earlier departmental budget requests.

The requests covered a wide range of technical and clerical personnel, as well as a substantial number of graduate assistantships. Administrative, counseling, and supervisory personnel were listed in the askings of several general administrative offices.

The Budget Committee recommends an appropriation of \$1,000,000 per year, or \$2,000,000 for the biennium. This is a sharp reduction from the total requested by the deans and directors, but it should meet the most urgent needs.

C. Requests to Continue on a Permanent Basis Expenditures Financed Temporarily from Savings and from Other Sources of Temporary Support.....\$600 000

An unexpected increase in enrollment made it necessary in September, 1960, to employ a substantial number of extra teachers on a temporary basis. These positions were financed from budget savings, mainly in the form of salary funds

for temporarily vacant positions. Section 1 in Schedule C shows that a total of \$188,250 would be required to establish the positions in question on a permanent basis.

Various other essential positions and services have been supported by University funds available for temporary or nonrecurring allocation. A selected list of such positions is presented in Section 2 of Schedule C, with the recommendation that the sum of \$33,850 be provided to establish these positions on a recurring basis.

Section 3 of Schedule C presents a similar list of positions now supported from contract or grant funds. The nine positions in this list are highly essential, and support for them should be provided in the regular budget. The total of the nine salary items is \$77,900.

VIII. *Other Improvements in the Academic Program*

A. Reduction of Teaching Overloads.....\$400 000

Certain departments are now carrying excessive teaching loads, partly because they have been unable to add staff so as to keep pace with enrollment increases. In certain cases, such as mathematics and modern languages, the load for teaching assistants has been chronically high. As a result, these departments now find it difficult to compete with other major universities, some of which offer both higher stipends and lighter teaching loads than the University of Illinois. The College of Dentistry also has a particularly unfavorable situation as regards the work load upon its instructional staff—a condition which has grown increasingly worse in recent years.

The Budget Committee strongly recommends an appropriation of some \$200,000 per year—\$400,000 for the biennium—to alleviate the more serious cases of excessive overload. This is about one third of the total requested by the deans and directors.

B. Improvements in the Educational Program.....\$1 000 000

The deans and directors requested a total of \$4,493,380 for many types of improvement in existing programs. Many of these requests represent long-standing needs; they were repeated here because relatively small amounts have been appropriated for this general purpose during the past ten years. The Budget Committee has reviewed these requests and recommends an appropriation of \$500,000 per year, or \$1,000,000 for the biennium. Although only about 20 per cent of the total requested by the deans and directors, this amount would meet some of the more urgent needs for expansion and improvement—especially in graduate programs, where enrollment increases and pressures to expand have been increasingly heavy in recent years.

C. New Programs\$500 000

A total of \$1,213,500 was requested for new programs by the deans and directors. Most of these projects would make highly desirable additions to the over-all educational program of the University. An example is the proposed establishment of a program in meteorology, beginning with appointments in the field of high-altitude physics. A professorship in applied mathematics is another highly important need. Beginning courses in Arabic would be instituted under another proposal, in support of an eventual program of Near Eastern studies. A position in support of a new curriculum in agricultural business and marketing in the College of Agriculture is another example.

A total of \$250,000 per year—or \$500,000 for the biennium—is requested for new programs—considerably less than half of the amount requested by the deans and directors.

D. A Special Twelve-Week Summer Session.....\$500 000

The Illinois Commission of Higher Education has asked the six state-supported universities to consider the feasibility of offering a full-scale educational program during the summer, in order to utilize classrooms and residential facilities more fully on a year-round basis. Proposals to accomplish this have been carefully studied, and a decision has been reached to organize an experimental summer session of twelve weeks during each of the next two summers if funds can be made available. Initially this program would be planned primarily for freshmen

and sophomores, although students in other classes would be admitted if the courses offered were suitable. This session would be independent of and in addition to the regular summer session of eight weeks, which will have to be continued in order to accommodate teachers in the public schools. (Many of the latter could not attend a twelve-week summer session because of the late closing date of their schools in June.)

It is difficult to estimate the probable attendance at the proposed summer session, but a tentative enrollment of 1,000 students will be assumed. On this basis it is estimated that the program could be conducted for a total of \$250,000 per summer or \$500,000 for the two summers of the biennium (1962 and 1963). The average cost per student represented by this figure is naturally much lower than the actual pro rata cost; but most of the indirect cost would be absorbed within the regular budget. Certain general administrative costs, including those for students' services and the Library, would not be increased proportionately insofar as these activities are budgeted on an annual basis.

E. Transfer Police Training Institute to a Separate Appropriation. —\$50 000

The Illinois Association of Police Chiefs has recommended an expansion of the existing Police Training Institute to a level of \$50,000 per year or \$100,000 for the biennium. The University has been asked to request funds for this project in a separate appropriation, and this will be done. As a result, the regular biennial budget for 1961-63 would be reduced in the amount of \$50,000. This is shown as a minus value in Schedule A.

Object Classifications

The State Finance Act requires that appropriation requests be submitted in terms of certain designated object classifications. These are shown in Schedule D.

A word should be added about the classification, "Contingencies." This does not represent funds for which the University has no known need. The present appropriations have been allocated to departments in a line-item internal budget in which all salaried positions are listed. All increases for the coming biennium are based upon specific requests from deans and directors, with adjustments by the University Budget Committee, as described above.

It is not always possible to expend a budget exactly as planned, particularly when requests must be made as much as three years in advance of some of the actual expenditures. Candidates can not always be found immediately to fill vacancies. Also a department might decide that it is more desirable to construct a piece of equipment than to purchase it. While the end result would be the same, "Personal Services" and "Commodities" would replace "Equipment" so far as the object classification of expenditures is concerned. Therefore, in order to provide reasonable flexibility, the Department of Finance permits setting up 5 per cent of the appropriation under "Contingencies," and this amount is later allocated to the other object classifications as the exact distribution becomes known.

Schedule B. Funds Requested for Operation of New Buildings, 1961-63

	<i>Annual Amount</i>
Arthropod-Borne Diseases Research Laboratory	
Liberal Arts and Sciences.....	\$ 15 000
Physical Plant.....	47 560
Zoonoses Research Laboratory	
Veterinary Medicine.....	12 000
Physical Plant.....	9 000
Labor and Industrial Relations Building	
Physical Plant.....	23 390
Moorman Research Facility	
Agriculture.....	10 350
Other Areas	
Physical Plant.....	10 700
<i>Total Annual Amount.....</i>	<i>\$128 000</i>
	<i>×2</i>
<i>Biennial Total.....</i>	<i>\$256 000</i>

	Annual Amount
1. Staff for Unexpected Increases in Enrollment in 1960-61.....	\$188 250
Chicago Undergraduate Division staff.....	\$ 45 225
Engineering — General Engineering — 1.5 assistants.....	6 000
Liberal Arts and Sciences.....	127 025
Botany..... 1.00 assistant	\$ 4 000
English..... 14.50 assistants	58 000
French..... 2.67 assistants	10 750
General Studies..... 2.00 assistants	8 000
Geography..... 0.50 assistant	2 000
Mathematics..... 1.00 assistant professor	7 000
2.50 instructors	13 500
4.00 assistants	16 000
Political Science..... 0.75 assistant	3 000
Russian..... 0.50 assistant	2 000
Speech..... 0.67 assistant	2 750
Physical Education assistants.....	10 000
2. Continuation of Essential Staff Positions Now Paid from Other University Funds.....	33 850
Agriculture — Glassblowing Laboratory — part of stipend of glassblower.....	\$ 5 000
Commerce — Business Education — half of associate professorship to match the half provided from a grant.....	4 000
Education — University High School mathematics project — part-time associate professorship.....	8 600
Graduate — Illinois Historical Survey — half-time clerk-typist now on Research Board funds.....	1 500
Law — part of assistant dean's salary provided from salary item of professor on first semester leave without pay.....	5 750
University Press — 2.5 nonacademic positions (editorial assistant and 1.5 clerk-typists) now paid temporarily from revolving, departmental expense, and general publications accounts.....	9 000
3. Continuation of Essential Staff Positions Now Paid from Grants or Contracts Which Will Not Be Available Next Biennium.....	77 900
Adjustments within the following items may be necessary if other grants and contracts are discontinued or if any of these items are renewed:	
Agriculture — Animal Science — transfer of 2.08 herdsmen from trust to state funds.....	\$ 10 525
Commerce — Bureau of Economic and Business Research — part-time professorship now paid by Ford Foundation....	10 425
Education — training of rehabilitation counselors — now paid by United States Office of Vocational Rehabilitation.....	8 500
Education — University High School mathematics project — part-time professorship now paid by Carnegie Corporation.....	2 000
Education — University High School — transfer of 1.5 assistants from grant to state funds.....	7 500
Engineering — Civil Engineering — positions now paid from government contracts.....	11 700
Engineering — Mining and Metallurgical Engineering — position now paid from government contracts.....	3 800
Graduate — Electron Microscope Laboratory — position now paid from National Science Foundation grant.....	9 600
Medicine — position now paid by United States Public Health Service and National Fund for Medical Education.....	13 850
Total Annual Amount.....	\$300 000
Biennial Total.....	\$600 000

Schedule D. Summary by Object Classification and Fund

<i>General Revenue</i>	<i>1959-61</i>	<i>Change Requested</i>	<i>1961-63</i>
Personal Services.....	\$ 87 471 300	\$26 925 900	\$114 397 200
Travel.....	500 000	50 000	550 000
Contractual Services.....	11 000 000	500 000	11 500 000
Commodities.....	3 900 000	900 000	4 800 000
Equipment.....	1 800 000	700 000	2 500 000
Retirement Contributions.....	4 238 700	884 100	5 122 800
Permanent Improvements.....	400 000	50 000	450 000
Artificial Appliances and Physical Examinations for Aided Persons....	250 000	25 000	275 000
Hospital and Medical Services.....	2 250 000	425 000	2 675 000
<i>Total, General Revenue.....</i>	<i>\$111 810 000</i>	<i>\$30 460 000</i>	<i>\$142 270 000</i>
<i>University Income</i>			
Personal Services.....	\$ 5 490 000	\$ 35 000	\$ 5 525 000
Travel.....	70 000	30 000	100 000
Contractual Services.....	1 000 000		1 000 000
Commodities.....	500 000	200 000	700 000
Equipment.....	600 000	100 000	700 000
Refunds.....	325 000	-25 000	300 000
Awards and Grants.....	550 000	50 000	600 000
Claims under Workmen's Compensa- tion Act.....	65 000	10 000	75 000
Contingencies.....	4 500 000	500 000	5 000 000
<i>Total, University Income.....</i>	<i>\$ 13 100 000</i>	<i>\$ 900 000</i>	<i>\$ 14 000 000</i>
<i>General Revenue and Income Fund Combined</i>			
Personal Services.....	\$ 92 961 300	\$26 960 900	\$119 922 200
Travel.....	570 000	80 000	650 000
Contractual Services.....	12 000 000	500 000	12 500 000
Commodities.....	4 400 000	1 100 000	5 500 000
Equipment.....	2 400 000	800 000	3 200 000
Retirement Contributions.....	4 238 700	884 100	5 122 800
Permanent Improvements.....	400 000	50 000	450 000
Artificial Appliances and Physical Examinations for Aided Persons....	250 000	25 000	275 000
Hospital and Medical Services.....	2 250 000	425 000	2 675 000
Refunds.....	325 000	-25 000	300 000
Awards and Grants.....	550 000	50 000	600 000
Claims under Workmen's Compensa- tion Act.....	65 000	10 000	75 000
Contingencies.....	4 500 000	500 000	5 000 000
<i>Total, General Revenue and Income Fund.....</i>	<i>\$124 910 000</i>	<i>\$31 360 000</i>	<i>\$156 270 000</i>

INSTITUTION FOR TUBERCULOSIS RESEARCH BIENNIAL
OPERATING BUDGET FOR 1961-63

(3) The Institution for Tuberculosis Research was created by the General Assembly for the "production, distribution, and application of the bacillus Calmett-Guerin (BCG), and other methods and materials for the prevention of tuberculosis and for conducting research in tuberculosis." The responsibility for the professional operation and all other management and control of the Institution is vested in the University.

The Director of the Institution and the Acting Vice-President in charge of the Chicago Professional Colleges recommend a budget amounting to \$173,000 for the 1961-63 biennium, an increase of \$30,700 for the biennium over the present appropriations.

The increase is requested for the following purposes:

Salary Adjustments Consistent with the Policy Adopted by the University..\$13 200
Increases in Expense and Equipment..... 8 000

To Improve the Educational Program (Staff for Research in Enzyme Systems and Viability).....	10 000
Reduction in Retirement System Contribution.....	-500
<i>Total</i>	<i>\$30 700</i>

I recommend that this budget be approved for filing with the Department of Finance and presentation to the Illinois Budgetary Commission.

On motion of Mr. Johnston, this budget was adopted by the following vote: Aye, Mr. Clement, Mr. Harewood, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mr. Stratton, Mr. Wilkins.

BIENNIAL BUDGET FOR POLICE TRAINING INSTITUTE

(4) The Police Training Institute was established in 1955 as a result of a special biennial appropriation of \$30,000 made by the General Assembly. In 1957-59 and in 1959-61, the activities of this Institute have been included in the regular University appropriation, and at the present time approximately \$50,000 for the biennium is included in the University's budget.

The Illinois Association of Chiefs of Police has requested that the activities of the Police Training Institute be expanded in order to improve the basic standards and qualifications of police officers. In order to accomplish this expansion, the Association wishes to introduce a separate appropriation bill, which it will support before the Budgetary Commission and the General Assembly.

A biennial appropriation of \$100,000 is recommended as follows:

Personal Services	\$ 79 500
Contractual Services	3 500
Commodities.....	1 500
Travel.....	9 000
Equipment.....	1 500
Contingencies.....	5 000
<i>Total</i>	<i>\$100 000</i>

I have met with the Chairman of the Association of Chiefs of Police, who is also the Director of the Department of Public Safety, and I endorse their program of expansion and recommend concurrence in the proposal for a separate appropriation.

On motion of Mr. Harewood, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Harewood, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mr. Stratton, Mr. Wilkins.

APPOINTMENTS TO THE FACULTY

(5) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. ALFRED BROPHY, JR., Assistant Professor of Education, beginning February 1, 1961, at an annual salary of \$7,200 (D).
2. EDWARD CAVANAUGH, Assistant Professor of Chemistry and Director of Laboratories, beginning November 1, 1960, at an annual salary of \$11,300 (DY).
3. JAMES EAGELMAN, Assistant Professor of Veterinary Clinical Medicine, in the College of Veterinary Medicine, beginning January 1, 1961, at an annual salary of \$9,000 (DY).
4. ROBERT FANER, Visiting Professor of English, for the second semester of 1960-61, at a salary of \$7,000 (E).
5. WILSON GEE, Visiting Professor of Rural Sociology, in the Department of Agricultural Economics, for the second semester of 1960-61, at a salary of \$4,000 (E).
6. J. HAROLD HOPKINS, Physician to McKinley Hospital and the Health Center, and Assistant Professor of Hygiene, beginning November 1, 1960, at an annual salary of \$12,000 (BY).

7. ANDRÉ LICHNEROWICZ, George A. Miller Visiting Professor of Mathematics and of Astronomy, from February 9, 1961, through March 23, 1961, at a salary of \$4,000 (G).
8. WATARU MAYEDA, Associate Professor of Electrical Engineering, and Research Associate Professor in the Coordinated Science Laboratory, beginning September 1, 1960, at an annual salary of \$13,000 (DY).
9. JOSEPH MCGRATH, Research Assistant Professor of Psychology, beginning September 1, 1960, at an annual salary of \$9,200 (D28; DY71).
10. FUSACHIKA MIYATA, Visiting Research Associate Professor in the Coordinated Science Laboratory, from December 15, 1960, through March 15, 1961, at a salary of \$2,500 (G).
11. DALE STEFFENSEN, Associate Professor of Botany, beginning February 1, 1961, at an annual salary of \$11,500 (A).
12. EDWARD SWEETNAM, JR., Assistant Professor of Architecture, beginning September 1, 1960, at an annual salary of \$6,500 (D).

Appointments to Nonacademic Staff

The Director of Nonacademic Personnel reports the following appointments to supervisory positions of upper level responsibility.

1. WILLIAM M. HENEERY, Electronics Engineer in the Department of Physics, beginning August 22, 1960, at an annual salary of \$6,600.
2. CARYOL M. LONGENECKER, Food Service Supervisor in the Residence Halls, beginning September 8, 1960, at an annual salary of \$4,050.
3. HAROLD G. POINDEXTER, Assistant Departmental Business Manager in the Department of Chemistry and Chemical Engineering, beginning August 24, 1960, at an annual salary of \$8,500.
4. ERNST R. PROEMMEL, Electronics Engineer in the Department of Chemistry and Chemical Engineering, beginning July 15, 1960, at an annual salary of \$6,600.
5. SAMMY J. REBECCA, Assistant Supervisor of Family Housing, beginning September 1, 1960, at an annual salary of \$6,300.
6. GLENN G. ROSEBROOK, Assistant Tabulating Machine Supervisor in the Statistical Service Unit, beginning August 23, 1960, at an annual salary of \$5,000.
7. ROBERT R. TUCKER, Placement Officer in the Office of Nonacademic Personnel, beginning September 1, 1960, at an annual salary of \$5,100.

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

ADVISORY COMMITTEE FOR THE COLLEGE OF VETERINARY MEDICINE

(6) The Dean of the College of Veterinary Medicine recommends the following appointments and reappointments to the Advisory Committee for the College of Veterinary Medicine for a period of three years beginning September 1, 1960.

Reappointments

- DR. CECIL A. KRAKOWER, Department of Pathology, College of Medicine, University of Illinois, Chicago
 R. V. MCKEE, Washburn
 STILLMAN J. STANARD, Director, Illinois State Department of Agriculture, Springfield

New Appointments

- DR. OLOF N. CHRISTENSEN, Wilmette
 DR. GEORGE F. FEHRENBACHER, Wyoming
 DR. WILLIAM G. RAUDABAUGH, Piper City
 I concur.

On motion of Mrs. Watkins, these appointments were approved.

APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(7) The Committee on Nonrecurring Appropriations recommends assignments of funds from the General Reserve as follows:

- | | |
|--|----------|
| 1. Departments of Plant Pathology and Forestry, equipment..... | \$ 3 000 |
| 2. Dixon Springs Experiment Station, truck..... | 1 600 |
| 3. Department of Electrical Engineering, analog computer facility..... | 25 000 |

4. Department of Civil Engineering, equipment.....	17 515
5. School of Music, practice organs.....	18 000
6. Radiocarbon Laboratory, air conditioning.....	4 730
7. Department of Geology, equipment.....	9 850
8. Department of Chemistry and Chemical Engineering, equipment.....	20 000
9. Department of Speech and Theatre, equipment.....	7 475
10. Department of Sociology, equipment.....	2 100
11. Library, equipment.....	19 300
12. Physical Plant	
Removal of dead trees and relocation of trees from temporary housing area.....	19 800
Extension of water main to new site for Physical Plant nursery.....	5 000
Improving acoustics and lighting in classrooms.....	30 000
13. McKinley Hospital, renovation of kitchen and dietary areas.....	45 819
14. Chicago Professional Colleges	
Departments of Medicine and Ophthalmology, equipment.....	14 700
Research and Educational Hospitals, automatic X-ray film processing unit.....	19 000
Total.....	\$262 889
I concur.	

On motion of Mr. Swain, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Harewood, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mr. Stratton, Mr. Wilkins.

CONTRACTS FOR CONSTRUCTION OF ADDITION TO ILLINI UNION BUILDING

(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts to the following lowest bidders for the construction of the addition to the Illini Union Building:

General—Felmley-Dickerson Company, Urbana.....	\$2 892 000
Base bid	\$2 855 000
Additive alternate for administration and supervision of work of other contractors.....	37 000
Plumbing—William Adams Engineers, Inc., Chicago.....	346 105
Heating—Bellis and Miller, Inc., Champaign.....	798 777
Ventilating—R. H. Bishop Company, Champaign.....	334 396
Electrical—Leiter Electric Company, Peoria.....	389 974

It is further recommended that the contracts with the four lowest bidders for mechanical work: William Adams Engineers, Inc., Bellis and Miller, Inc., R. H. Bishop Company, and Leiter Electric Company be assigned to the Felmley-Dickerson Company, the general contractor.

Funds for this construction will be available from the proceeds of "The Board of Trustees of the University of Illinois Illini Union and Health Center Bonds, Series A and B of 1960" on which bids are being taken today. The Vice-President and Comptroller recommends that sufficient funds be advanced from Illini Union and Housing Division reserves for any payments which may become due under these contracts prior to the delivery of the bonds to purchasers.

Submitted herewith is a supporting memorandum, from the Physical Plant Department, including a list of all bids received, and a copy is being filed with the Secretary of the Board for record.

I concur in these recommendations, subject to the availability of funds to be secured through a revenue bond issue for this project.

On motion of Mr. Johnston, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Harewood, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mr. Stratton, Mr. Wilkins.

CONTRACTS FOR CONSTRUCTION OF HEALTH SERVICE ADDITION TO MCKINLEY HOSPITAL

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts to the following lowest bidders for the construction of the Health Service addition to McKinley Hospital:

General — Snyder Construction Co., Inc., Vincennes, Indiana.....	\$468 600
Base bid	\$461 500
Additive alternates	
Installation of pneumatic tube dispatch system within the addition.....	11 700
Installation of connecting pneumatic tube dispatch system line from the addition to the hospital.....	4 400
Less deductive alternate	
Credit for substitution of haydite block for common brick back on interior of exterior walls, damp proofing coat to be applied to haydite block interior surfacing prior to plastering.....	—9 000
Electrical — Art-o-Lite Company, Inc., Galesburg.....	60 000
Plumbing — Reliable Plumbing and Heating Company, Champaign.....	73 099
Heating — George S. Walker Plumbing and Heating, Inc., Decatur.....	107 750
Ventilating — Montefusco Heating and Sheet Metal Company, Peoria....	52 334

Funds for this construction will be available from the proceeds of "The Board of Trustees of the University of Illinois Illini Union and Health Center Bonds, Series A and B of 1960" on which bids are being taken today. The Vice-President and Comptroller recommends that sufficient funds be advanced from Illini Union and Housing Division reserves for any payments which may become due under these contracts prior to the delivery of the bonds to purchasers.

Submitted herewith is a supporting memorandum, from the Physical Plant Department, including a list of all bids received, and a copy is being filed with the Secretary of the Board for record.

I concur in these recommendations, subject to the availability of funds to be secured through a revenue bond issue for this project.

On motion of Mr. Hughes, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Harewood, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mr. Stratton, Mr. Wilkins.

CONTRACTS FOR CONSTRUCTION OF LABOR AND INDUSTRIAL RELATIONS BUILDING

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts to the lowest bidders as follows for the construction of the Institute of Labor and Industrial Relations Building on the site, previously approved by the Board of Trustees, at the northeast corner of Armory Avenue and Fifth Street, Champaign, subject to the conditions stated below.

General — English Brothers Company, Champaign.....	\$297 400
Electrical — Leiter Electric Company, Peoria.....	44 489
Plumbing — Reliable Plumbing and Heating Company, Champaign	
Base bid	\$ 25 699
Less deductive alternate.....	— 240
Net contract	25 459
Heating, Refrigeration, and Temperature Controls — Reliable Plumbing and Heating Company, Champaign	
Base bid	\$ 90 360
Less deductive alternate.....	—32 710
Net contract	57 650

Ventilating—Montefusco Heating and Sheet Metal Company, Peoria

Base bid \$ 42 228

Less deductive alternate..... — 1 263

Net contract \$40 965

The deductive alternates, totaling \$34,213, will defer completion of air-conditioning installations in the building by omitting the items of cooling equipment and related work.

Water Main Extension—Cross Construction, Inc., Urbana..... \$11 346

Extension of Steam Service Lines—Robert Gordon, Inc., Chicago..... 16 768

Extension of Electric Service—Square Deal Electrical Contracting, Inc., LaPorte, Indiana 33 156

Elevator—Due to insufficient funds, it is recommended that the complete elevator installation be omitted at this time and that all three bids received on this phase of the work be rejected.

To keep the construction costs within the limits of funds available, it is recommended that the following installations and work also be deferred or omitted:

Installation of blinds on the north and south sides of the building;

Installation of library stacks and cubicles and the purchase of all movable equipment;

Reduction of landscaping to a minimum, perhaps to construction of lawns only;

Interior painting and installation of asphalt tile floor surfacing, total \$10,000; to be covered by a deductive change order issued concurrently with the execution of the general contract.

Submitted herewith are three supporting memoranda from the Physical Plant Department, including lists of bids received on the several phases of the work, and copies are being filed with the Secretary of the Board for record.

The awards of the contracts and change orders are recommended, subject to availability of funds from the following sources:

State capital appropriations for 1959-61 for matching funds.....\$350 000

State capital appropriations for utilities extensions..... 80 000

Gifts from labor and industrial organizations, approximately..... 157 000

Total.....\$587 000

I concur in these recommendations.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Harewood, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mr. Stratton, Mr. Wilkins.

At this point Mr. Johnston left the meeting.

CONTRACT FOR CAMPUS BUS SERVICE

(11) In the development of long-range campus plans for the Urbana-Champaign campus, it has become evident that a system of public transportation service will be essential if the projected campus population for 1969, an enrollment of over 30,000 students, is to be handled satisfactorily.

Recently, representatives (students) of the Men's Residence Halls called on officials of the Champaign-Urbana City Lines, Inc., to inquire about the possibility of inaugurating a campus bus service, and the company expressed an interest in establishing a special campus route.

In view of student interest, the unexpected increase in student enrollment this fall, and the eventual need of a public transportation service, discussions were initiated by University officials with the Champaign-Urbana City Lines, Inc., to determine the basis on which a campus bus service could be established. The company offered to provide the service for an experimental period on a contract basis with the University.

On recommendation of the Director of Housing, the Director of the Physical Plant, and the Vice-President and Comptroller, and with the concurrence of the President of the University, the Executive Committee of the Board has author-

ized a contract with Champaign-Urbana City Lines, Inc. for a trial period of one month with service to students and staff provided as follows:

Along a route with one starting point on Gregory Drive adjacent to the Men's Residence Halls area on Peabody and Gregory Drives, east on Gregory Drive to Sixth Street, north on Sixth Street to Armory Avenue, east on Armory Avenue to Wright Street, north on Wright Street to Green Street, east on Green Street through the campus to Goodwin Avenue, south on Goodwin Avenue to Nevada Street, and thence through the campus to Pennsylvania Avenue, east on Pennsylvania Avenue to Lincoln Avenue, north on Lincoln Avenue to Nevada Street, west on Nevada Street to Goodwin Avenue, north on Goodwin Avenue to Green Street, and return to the starting point; buses on this route to run both ways; the route subject to change to accommodate traffic demands.

Travel time from one end to the other to be approximately ten minutes.

Service to be between the hours of 7:15 a.m. and 5:15 p.m. Monday through Friday.

A maximum waiting period between buses of seven to eight minutes.

Clearly identified stops at intervals of about one block.

Buses will be specifically assigned for this service and will be so designated.

Fare to be five cents per ride; however, this will not include transfer privileges between the special bus service and the regular intercity bus service.

The estimated cost of this service for one month is \$6,500. Response from students indicates that revenue will equal the cost but the University must make up any deficiency to the extent of \$5,750.

It was the judgment of the Executive Committee that the University should accept the responsibility of any deficiency in operations for service to students and staff during the trial period.

The Executive Committee reports its action for record.

On motion of Mr. Harewood, the action of the Executive Committee was confirmed.

CONTRACT FOR ENGINEERING SERVICES FOR ELECTRICAL ENGINEERING ANNEX

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of engineering services for the preparation of drawings and specifications for heating, air conditioning, plumbing, and electrical work in the remodeling of the north end of the Electrical Engineering Annex, under a standing contract with Brown, Manthei, Davis, and Mullins, Consulting Engineers, Champaign, approved by the Board of Trustees on June 23, 1959. The estimated cost of this work is \$6,000.

I concur.

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

CONTRACT FOR RELOCATION OF TELEPHONE CABLE FACILITIES

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of an agreement with the Illinois Bell Telephone Company to trench, remove, and restore the underground telephone cable facilities located on the site of the Illini Union Building addition. This cable is owned by the Company, but the University must pay the usual charges which in this case are estimated at \$4,500.

I concur.

On motion of Mr. Clement, this agreement was authorized.

SALE OF SECURITIES FROM TRUST FUNDS INVESTMENTS

Mr. Swain, for the Finance Committee, offered the following resolution:

WHEREAS, The Board of Trustees of the University of Illinois is the owner of the following shares of stock: 125 National Aviation, 400 Investors Mutual, and

WHEREAS, the Finance Committee of said Board has determined that it is advantageous to sell the above listed securities,

Now, Therefore, Be It Resolved by The Board of Trustees of the University of Illinois that these securities be sold and that H. O. Farber, Comptroller, and A. J. Janata, Secretary, be authorized to execute all documents necessary to complete such sale.

This resolution was adopted.

PURCHASES

(14) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

I concur.

Chicago Colleges and Divisions

Item	Department	Vendor	Cost
One spectrophotometer and accessories	Anatomy	Scientific Products, Evanston	\$3 150 00 delivered
One blood cell counter less trade-in allowance for one used photometer	Biochemistry	Scientific Products Division, American Hospital Supply Corp., Evanston	4 185 00 delivered
Stainless steel equipment for the Medical Research Laboratory consisting of: 84 animal cages 84 feeder boxes 56 pans 7 racks	Medical Research Laboratory	Animal Cage Specialties Co., Oak Park	11 436 00 delivered
One oxygen analyzer with strip chart recorder	Physiology	Beckman Instruments, Lincolnwood	2 699 00 delivered
One infrared analyzer with accessories	Physiology	Beckman Instruments, Lincolnwood	2 829 00 f.o.b.
One two-strip chart recorder			Fullerton, Calif.
One multigraph model No. 650 Accra feed collator	Stenographic Service	Addressograph-Multigraph Corp., Chicago	5 806 55 delivered
36,000 Kraft paper rubbish bags	Physical Plant	J. Chuckerman & Sons, Chicago	4 604 01 delivered

Urbana-Champaign Departments

One centrifuge, refrigerated, high speed, with one eight place (50 ml.) head, with accessories, 208 volt, 60 cycle	Botany	Loures Instrument Corp., Brooklyn, N.Y.	2 500 40 f.o.b. delivered
One automatic liquid scintillation counter, 100 sample capacity, two scalars for double counting, transistorized, complete with standard accessories	Chemistry and Chemical Engineering	Packard Instrument Co., Inc., LaGrange	12 530 00 f.o.b. delivered
One electrophoresis apparatus, continuous flow, with power supply and automatic fraction collector	Chemistry and Chemical Engineering	E. H. Sargent & Co., Chicago	2 620 00 f.o.b. delivered
One high voltage power supply 10 kv., 500 Ma., reverse polarity	Coordinated Science Laboratory	Kilovolt Corp., Yonkers, N.Y.	2 784 00 f.o.b. delivered
One high speed direct writing oscillograph, six channels expandable to eight, ink curvilinear recording units, input sensitivity of 10 microvolts/centimeter	Dairy Science	Offner Electronics, c/o Pivan Engineering Co., Indianapolis, Ind.	6 735 80 f.o.b. delivered
1,000 No. B-2003 component terminal strips	Digital Computer Laboratory	The Delbert Blinn Co., Pomona, Calif.	8 424 00 f.o.b. delivered
1,000 No. A-2005 heatsinks			
4,000 nylon standoffs			
5,000 germanium mesa transistors	Digital Computer Laboratory	Western Electric Co., Inc., New York, N.Y.	68 000 00 f.o.b. Laureldale, Pa.
Consulting engineering services in connection with the mechanical aspects of the new digital computer	Digital Computer Laboratory	Barnes & Reinecke, Inc., Chicago	9 750 00 maximum cost
One four-channel tape recorder with hysteretic synchronous motors, four track in line clevis laminated heads for 1/4 in. tape, three separate heads for erase, record, and play, and four separate record-play preamplifiers	Electrical Engineering	Crown International, Elkhart, Ind.	2 985 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Fabrication from drawings and specifications of 12 in. turntable for a Varian electromagnet	Electrical Engineering	Burns Machine Co., Ottawa	\$ 3 397 50 f.o.b. delivered
X-ray diffractometer equipment consisting of: One constant potential d.c. X-ray generator with 5 kva magnetic stabilizer with horizontal tube stand and warning light system One horizontal diffractometer One adjustment for diffractometer One electronic circuit panel One X-ray diffraction tube with oil shields and cooling sockets One scintillation counter One pole figure goniometer	Mining and Metallurgical Engineering	Radio Corporation of America, Chicago	20 002 00 f.o.b. delivered
One multi-channel analyzer 256 One readout typewriter One oscilloscope One dual buffer storage unit	Physics	Nuclear Data, Inc., Madison, Wis.	16 223 00 f.o.b. delivered
One 512 channel transistorized scaler-analyzer without probe One accessory cabinet	Physics	Radiation Counter Laboratories, Inc., Skokie	14 670 00 f.o.b. delivered
One high vacuum pumping system, 4 in. size, portable with diffusion pump, cold trap baffle, mechanical pump, valves, support frame, gauges and controls	Physics	NRC Equipment Corp., Newton Highlands, Mass.	3 292 10 f.o.b. Newton, Mass.
One milling machine, 9 in. x 42 in., complete with dividing head, motor, controls, and accessories	Physiology	Don G. Beck, Chicago	2 832 75 f.o.b. delivered
One 14½ in. toolroom lathe complete with motor, controls, and accessories	Physiology	Miller Industrial Supply Co., Decatur	3 479 20 f.o.b. delivered
Print and bind 30,000 Time Tables, second semester of 1960-61, approximately 256 pages per copy	University Press	The Interstate Printers & Publishers, Inc., Danville	6 116 50 f.o.b. delivered
111 lamps for lounge areas in three new Men's Residence Halls (SM-3)	Housing Division	Rochelle's, Inc., Chicago	3 047 26 f.o.b. Urbana
1,000 reams 8½ x 11 24 lb. white No. 1 sulphite mimeograph bond 2,000 reams 8½ x 11 20 lb. canary bond No. 1 sulphite	Office Supply Store	Graham Paper Co., St. Louis, Mo.	3 460 00 f.o.b. delivered
240 reams 22½ x 35 58 lb. colored offset paper 20 reams 25 x 38 70 lb. colored offset paper	Office Supply Store	Marquette Paper Corp., Chicago	2 967 44 f.o.b. delivered
555 steel office chairs, naugahyde plastic upholstery, for stock to be distributed to various University departments, assorted styles as follows: 150 swivel arm chairs 30 swivel chairs, no arms 75 side arm chairs 150 side chairs, no arms 150 stenographers' posture chairs	Office Supply Store	Milwaukee Metal Furniture Co., Chicago	13 131 11 f.o.b. delivered
White sulphite offset paper as follows: 60 reams 22½ x 35 41½ lb. 120 reams 22½ x 35 49½ lb. 100 reams 22½ x 35 58 lb. 14,500 reams 8½ x 11 50 lb. (estimated nine months supply for Urbana and Chicago)	Office Supply Store	J. W. Butler Paper Co., Chicago	13 663 12 f.o.b. delivered
240,000 gallons (approximately) aviation turbine fuel, kerosene Type A, to be delivered as required during period November 17, 1960, to June 30, 1961	Institute of Aviation	Standard Oil Co., (Indiana), St. Louis, Mo.	25 613 28 f.o.b. delivered
Lumber as required for period of January 1, 1961, through June 30, 1961: 8,500 board feet 1 in. No. 3 spruce 30,000 board feet 2 in. construction fir 3,000 board feet 4 in. construction fir 5,850 board feet "C" select ponderosa or sugar pine 2,857 board feet T & G grade B and better edge grain clear fir flooring	Physical Plant	Hillcrest Lumber Co., Champaign	8 527 75 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One liquid nitrogen storage container, 1300 liter minimum capacity	Physical Plant	Hofman Laboratories, Inc., Hillside, N.J.	\$6 585 00 f.o.b. delivered
Three four-door sedans (standard)	Physical Plant	University Ford Sales, Champaign	
One station wagon	Extension	Five sedans	5 293 00
One compact pickup truck	Service in	One van truck	3 400 00
One carryall	Agriculture	Sullivan Chevrolet Co., Champaign	
Two four-door sedans (with power brakes and power steering)	and Home Economics	One station wagon	1 353 49
Two pickup trucks (cab and chassis only)		Courtesy Motor Sales, Inc., Chicago (Ford)	
One van truck		One compact pickup	1 525 00
These vehicles are replacements except the compact pickup truck which is an addition to the University fleet.		Two pickup cabs and chassis	3 032 00
		Dillavou Truck Sales, Champaign (Chevrolet)	
		One carryall	1 500 00 (16 103 49)
One spectrophotometer, recording, wavelength of 1860 angstroms through 2.65 microns, wavelength reproducibility better than 0.5A, revolving power of 1A in UV range and 3A in near infrared	Chemistry and Chemical Engineering	Applied Physics Corp., Chicago	15 555 00 delivered
Approximately 2,700 liters liquid hydrogen to be delivered as needed (in three shipments of approximately 900 liters each) during the period December 1, 1960, through June 30, 1961	Physics	Linde Co., Division of Union Carbide Corp., Chicago	10 125 00 f.o.b. delivered
200 steel desks, 25 steel tables, 240 steel filing cabinets in the base bid for delivery in January and March, 1961, with the option to purchase an additional quantity (approximately one-half the quantity in the base bid) for delivery in June, 1961	Office Supply Store	All-Steel Equipment, Inc., Aurora	31 372 74 f.o.b. delivered
Approximately 1,360 sheets miscellaneous plywood as required for period of January 1, 1961, through June 30, 1961	Physical Plant	Kochton Plywood & Veneer Co., Inc., Decatur	6 092 36 f.o.b. delivered

On motion of Mr. Pogue, these purchases were authorized.

COMPTROLLER'S REPORT OF CONTRACTS

(15) The Comptroller's report of contracts executed during the period October 1 to 31, 1960.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Air Force AF-33(616)-7600	Inelastic straining	\$22 409 00	August 24, 1960
United States Air Force AF-40(600)-909	Determining pressure in an ultra-high vacuum chamber	24 180 00	October 1, 1960
United States Air Force AF-41(657)-359	Cardiovascular effects of refeeding stress following starvation	17 017 00	August 1, 1960
United States Army DA-CML-18-108-61-G-4	Mechanism of action of synergists for insecticides and other toxicants	15 834 00	August 25, 1960
United States Navy Nonr-1834(34)	Luminescence of marine organisms	31 000 00	September 1, 1960
United States Navy Nonr-1834(35)	Geography of the coastal zone of northern Tanganyika	24 568 00	August 15, 1960
<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Audio-Video-Magnetics, Inc.	Rental of television equipment	\$ 800 00 per month from September 26 to December 26, 1960	September 26, 1960
Chicago Park District	Use of James H. Gateley Park on September 24 and October 1, 1960, for football games	100 00	April 11, 1960
Forest Service, U.S.D.A.	Cooperative collection of data on raindrop size at the Coweeta Hydrologic Laboratory	2 000 00	September 6, 1960

Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
D X Saray Oil Co.	Lease of property at the southwest corner of University Avenue and Wright Street, Champaign, Illinois	\$ 175 00 per month, January 1, 1961, to January 1, 1966	September 9, 1960
<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
1435 North Astor Building	Rental of garage space for University car assigned to the Executive Dean at the Chicago Undergraduate Division	\$ 30 00 per month from July 1, 1960, to June 30, 1961	July 1, 1960
University of Illinois Foundation	Lease of Troutman tract of land located in Champaign County, Illinois	3 200 00 annually	February 29, 1960

Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Research Council on Riveted and Bolted Structural Joints	Fatigue tests on cumulative damage of structural joints	\$20 000 00	October 19, 1960
Tennessee Valley Authority	Effects of credit on fertilizer purchases by farmers in Illinois	4 000 00	October 13, 1960
Texaco, Inc.	Methods and machines for more efficient application of anhydrous ammonia, aqua ammonia, and slurries of dry and liquid nutrients	3 500 00	August 23, 1960
United States Air Force AF-41(657)-279	Relationship of Air Force tests to technical high school performance	10 373 00	August 11, 1960
United States Air Force AF-49(638)-63	Transistor — RC network synthesis	24 000 00	August 15, 1960
United States Army DA-11-177-AV-582	Pilot training	4 006 00	August 31, 1960
United States Army DA-18-064-404-CML-426	Synthesis of fluorine compounds	4 000 00	September 28, 1960
United States Army DA-49-007-MD-544	Nutritive value of major nutrients of irradiated food	30 410 00	October 7, 1960
United States Army DA-49-193-MD-2060	Interpersonal and psychological adjustment of group members	21 242 00	August 31, 1960
United States Atomic Energy Commission AT(11-1)-276	Properties and behavior of aerosol particles and systems	14 810 00	October 6, 1960
United States Atomic Energy Commission AT(11-1)-314	Synthesis of boron-containing dyes suitable for use in in vivo experiments on mice with glioblastoma tumors	19 000 00	September 22, 1960
United States Navy Nonr-1834(22)	Study to evaluate the suitability of the proposed site to be used for research in radio astronomy	85 000 00	July 31, 1960
United States Navy Nonr-1834(32)	Structure of turbulent velocity and pressure fluctuations in the boundary layer	10 000 00	September 23, 1960
United States Navy Nobs-72069	Pressure vessel design having particular reference to the reinforcement of openings in shells and plates	30 000 00	September 2, 1960

Adjustments Made in 1960-61 Cost-Plus Contract

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
E. T. Drewitch (Plastering)	Twenty-six items: \$2,060.79 deduct to \$1,400.00	\$ 265 07	October, 1960

This report was received for record.

QUARTERLY REPORT OF THE COMPTROLLER

(16) The Comptroller presented his quarterly report to the Board as of September 30, 1960.

This report was received for record and a copy has been filed with the Secretary of the Board.

CHANGE IN CONTRACT FOR POWER PLANT EQUIPMENT

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$12,860 in a contract with the General Electric Company for the turbine generator unit and exciter and electrical equipment for the addition to the Abbott Power Plant (Boiler No. 6, Unit No. 7). This change will omit one of three 4160 volt motor starters and will add two 13.8 kv. switchgear units for the auxiliary transformers and also one swinging panel for synchronizing equipment. The change is recommended by Sargent and Lundy, Chicago, consulting engineers for the Power Plant addition, and by the Physical Plant to insure greater reliability, flexibility, and centralized metering of the generator electric load.

I concur.

On motion of Mrs. Watkins, this change in the contract was authorized.

PURCHASE OF PROPERTY ON HEALEY STREET IN CHAMPAIGN

(18) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of two vacant lots at 607 and 609 East Healey Street, Champaign, as a site for a building for the Department of Electrical Engineering gaseous electronics research program, at a price of \$4 per square foot with a minimum price of \$40,000, based on an estimate of approximately 10,000 square feet. The lots are irregular in shape and the exact amount of land to be conveyed can be determined only after the property has been surveyed.¹ The area is zoned for business and the price is reasonable compared with other purchases by the University in business-zoned areas, and is consistent with appraisals secured by the University.

I recommend authorization of this purchase, subject to the release of funds from the state capital appropriation for 1959-61 for land acquisitions.

On motion of Mr. Swain, the purchase of this property, subject to availability of funds, was authorized by the following vote: Aye, Mr. Clement, Mr. Harewood, Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mr. Johnston, Mr. Stratton, Mr. Wilkins.

SECRETARY'S REPORTS

The Secretary presented for record the following lists: (1) appointments made by the President; (2) graduate fellows; (3) resignations and declinations; (4) leaves of absence.

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

ANAST, BASIL P., Assistant Professor of Parasitology (Department of Medicine) (Medicine), 85/100 time, one year from September 1, 1960, \$6,250, supersedes (10-26-60).

ASCH, WALTER B., Instructor in Social Sciences (Chicago Undergraduate Division), $\frac{3}{4}$ time for the first semester, \$319.50 a month, and $\frac{1}{2}$ time for the second semester, \$191.67 a month, to render service during the academic year, September 1, 1960-August 31, 1961, supersedes (10-26-60).

BAEHR, RALPH H., Assistant in Radiology (Medicine), one year from September 1, 1960, without salary (10-11-60).

¹ The survey subsequently made indicated an area of 10,316 square feet and the purchase price was \$41,264. — Secretary's Note.

- BAKONY, HEDWIG C., Clinical Instructor in Psychiatry (Medicine), eleven months from October 1, 1960, without salary (10-4-60).
- BAKLEY, MRS. CLARA, Assistant in English, September 16, 1960-January 31, 1961, \$422.22 a month (10-29-60).
- BELFORD, MRS. GENEVA G., Research Assistant in Chemistry, September 16, 1960-August 31, 1961, \$6,400 a year (11-2-60).
- BERGER, LOIS J., Assistant in Biological Sciences (Chicago Undergraduate Division), nine months from September 16, 1960, \$4,300 (10-14-60).
- BERMAN, DAVID, Instructor in Applied Materia Medica and Therapeutics (Dentistry), one year from September 1, 1960, without salary (10-4-60).
- BLUM, ALAN F., Instructor in Sociology (Chicago Undergraduate Division), $\frac{1}{2}$ time, September 1, 1960-January 31, 1961, to render service during the first semester of the academic year, \$1,400 (11-2-60).
- BORNSTEIN, IRENE, Research Assistant in Biological Chemistry (Medicine), October 14, 1960-August 31, 1961, \$5,800 a year, supersedes (10-26-60).
- BRAUNFELD, PETER G., Instructor in Mathematics, $\frac{1}{4}$ time, and in the Coordinated Science Laboratory (College of Engineering), $\frac{3}{4}$ time, for the first semester of 1960-61; and in the Coordinated Science Laboratory (College of Engineering), full time, second semester of 1960-61, September 1, 1960-August 31, 1961, \$9,700, supersedes (10-6-60); and Research Assistant Professor in the Coordinated Science Laboratory (College of Engineering), February 15-August 31, 1961, \$10,000 a year, supersedes (10-25-60).
- BREEDIS, EDNA B., Research Assistant in Chemistry, October 16, 1960-August 31, 1961, \$4,650 a year (11-2-60).
- BROWN, RICHARD M., Research Professor of Physics and of Electrical Engineering, indefinite tenure, and in the Coordinated Science Laboratory, one year from September 1, 1960, \$18,200 a year, supersedes (10-27-60).
- BUCKLEY, DONALD W., Research Associate in Education (University High School), $\frac{3}{4}$ time, academic year beginning September 1, 1960, \$5,700 (10-20-60).
- BUSTARD, SARAH M. S., Assistant in Verbal Communication (Division of General Studies), September 16, 1960-January 31, 1961, \$422.22 a month, supersedes (10-11-60).
- CALAHAN, DONALD A., Assistant Professor of Electrical Engineering (C), September 1, 1960-February 28, 1961, to render service during the first semester of the academic year, at a monthly salary of \$564.81, supersedes (10-29-60).
- CARTER, JAMES A. U., Clinical Assistant in Medicine (Medicine), one year from September 1, 1960, without salary (10-4-60).
- CARTON, ROBERT W., Assistant Professor of Medicine (Medicine), ten months from November 1, 1960, \$10,500 a year, supersedes nonsalaried appointment (10-25-60).
- CASTEN, CHRIS P., Research Assistant in Oral Pathology (Dentistry), eleven months from October 1, 1960, \$4,650 a year (10-29-60).
- CHAMBERLAIN, MRS. ARTHA, Assistant in English, September 16, 1960-January 31, 1961, \$422.22 a month (10-26-60).
- CHATMAN, DONALD G., Research Assistant in Medicine (Medicine), nine months from October 1, 1960, \$5,250 a year (10-29-60).
- CLAY, WILLIAM, Clinical Assistant in Medicine (Medicine), one year from September 1, 1960, without salary (10-4-60).
- COOPER, DUANE H., Research Associate Professor of Physics and of Electrical Engineering, indefinite tenure, and in the Coordinated Science Laboratory, one year from September 1, 1960, \$15,500 a year, supersedes (10-27-60).
- CRANDALL, CORYL E., Assistant in English, September 16, 1960-January 31, 1961, \$422.22 a month, supersedes (10-14-60).
- CROPP, FREDERICK W., Assistant Professor of Geology, $\frac{1}{2}$ time, and Assistant Dean of the College of Liberal Arts and Sciences, $\frac{1}{2}$ time, to render service during the second semester of the academic year, March 1-August 31, 1961, \$3,800, supersedes (10-11-60).
- CROUSE, GEORGE T., Research Assistant in the Institution for Tuberculosis Research, September 26, 1960-August 31, 1961, \$6,000 a year (10-10-60).
- DE CHARMS, DESIRÉE, Music Library Assistant in the Library, with rank of Instructor, seven months from February 1, 1961, \$6,300 a year (10-25-60).
- DECKER, LOREN E., Administrative Officer in Air Force Science, $\frac{1}{10}$ time, one year from September 1, 1960, \$600 (10-25-60).

- DODD, LLOYD E., Instructor in English (Chicago Undergraduate Division), September 1, 1960-January 31, 1961, to render service during the first semester of the academic year, \$2,700 (10-14-60).
- EDMONDSON, HUGH A., JR., Clinical Assistant in Medicine (Medicine), eleven months from October 1, 1960, without salary (10-26-60).
- ELLIS, JACK A., Research Associate in the State Natural History Survey, ten months from November 1, 1960, \$5,880 a year, supersedes (10-26-60).
- ERLENBORN, JAMES W., Clinical Assistant in Medicine (Medicine), one year from September 1, 1960, without salary (10-4-60).
- FISCH, MAX H., Acting Chairman of the Department of Philosophy during the first semester of 1960-61, \$500 for this period; this is in addition to his present appointment (9-30-60).
- FLENNER, MRS. JACQUELINE W., Research Assistant in the Digital Computer Laboratory, nine months from September 16, 1960, \$4,000, supersedes (10-11-60).
- FOLLIS, STANLEY, Research Assistant in Education (University High School), six months from November 1, 1960, \$4,000; and Lecturer in Radio and Television (College of Journalism and Communications), five months from September 1, 1960, \$500 (11-1-60).
- FORDHAM, ERNEST W., Assistant in Radiology (Medicine), one year from September 1, 1960, without salary (10-11-60).
- FOX, SHERWIN A., Clinical Instructor in Ophthalmology (Medicine), one year from September 1, 1960, without salary (11-2-60).
- FRAUENFELDER, HANS, Professor of Physics (C), $\frac{1}{2}$ time, indefinite tenure, and Associate Director of the Coordinated Science Laboratory (C), $\frac{1}{2}$ time, to render service during the academic year, November 1, 1960-August 31, 1961, \$16,000 a year, supersedes (10-29-60).
- FREDRICKSON, L. THOMAS, Assistant Professor of Music, academic year beginning September 1, 1960, \$6,900, supersedes (10-11-60).
- FRIEND, MRS. BEVERLY, Instructor in English (Chicago Undergraduate Division), $\frac{1}{2}$ time, five months from September 1, 1960, to render service during the first semester of the academic year, \$1,150 (10-14-60).
- GAULT, IRVING G., Clinical Instructor in Prosthodontics (Dentistry) and Prosthodontist to the Cleft Palate Training Program (Division of Services for Crippled Children), one year from September 1, 1960, without salary (10-4-60).
- GILLETTE, HOWARD E., Clinical Instructor in Oral and Maxillofacial Surgery (Dentistry) and in Surgery (Medicine), one year from September 1, 1960, without salary (10-4-60).
- GOVINDJEE, MRS. RAJNI, Research Assistant in Botany, nine months from September 1, 1960, \$3,800, supersedes (10-26-60).
- GRIDLEY, MARILYN, Research Assistant in the Illinois Historical Survey, nine months from September 16, 1960, \$3,800 (10-26-60).
- GRUPE, HAROLD E., JR., Research Assistant in Oral Pathology (Dentistry), October 15, 1960-August 31, 1961, \$6,000 a year, supersedes (10-29-60).
- HEMBROUGH, FREDERICK B., Instructor in Veterinary Physiology and Pharmacology (Veterinary Medicine), $\frac{3}{4}$ time, one year from September 1, 1960, \$4,600 (10-26-60).
- HESS, ALEXANDER S., Assistant in Psychology (Department of Psychiatry) (Medicine), one year from September 1, 1960, without salary (10-4-60).
- HIBBS, GEORGE G., Instructor in Radiology (Medicine), one year from September 1, 1960, without salary (10-11-60).
- HOOKE, JANET M., Instructor in Economics, to render service during the first semester of the academic year, September 1, 1960-February 28, 1961, \$3,100 (10-10-60).
- HUBER, EDWARD A., Assistant Professor of Electrical Engineering and Research Assistant Professor in the Coordinated Science Laboratory (C), academic year beginning September 1, 1960, \$7,500, supersedes (10-11-60).
- HUTSON, RICHARD E., Assistant in English, September 16, 1960-January 31, 1961, \$444.44 a month, supersedes (10-11-60).
- Ito, RIKUMA, Assistant in Economics, $\frac{1}{4}$ time, nine months from September 16, 1960, \$950; and Research Assistant in the Bureau of Economic and Business Research, $\frac{3}{4}$ time (on "Y" basis), September 15, 1960-August 31, 1961, \$3,581 a year, supersedes (10-14-60).

- JACOBSON, MARVIN, Research Associate in Applied Materia Medica and Therapeutics (Dentistry), one year from September 1, 1960, without salary (10-26-60).
- JEFFAY, ANA I., Research Associate in Applied Materia Medica and Therapeutics (Dentistry), $\frac{1}{2}$ time, eleven months from October 1, 1960, \$2,860 a year (10-25-60).
- JERAS, VIVIAN K., Apprentice Pharmacist in Hospital Pharmacy (Pharmacy), October 2, 1960-August 31, 1961, \$4,800 a year (10-10-60).
- JOHNSON, OLAF K., Clinical Instructor in Oral and Maxillofacial Surgery (Dentistry) and in Surgery (Medicine), one year from September 1, 1960, without salary (10-4-60).
- JONES, ROBERT E., Consultant in Psychology, with rank of Associate Professor, one year from September 1, 1960, without salary (10-29-60).
- KAMP, INEZ N., Research Associate in Plant Pathology (S), $\frac{1}{2}$ time, eleven months from October 1, 1960, \$2,750 a year (10-31-60).
- KESSNER, DAVID M., Clinical Assistant in Preventive Medicine (Medicine), one year from September 1, 1960, without salary (10-11-60).
- KOCH, ANITA, Assistant in Nursing, September 26, 1960-June 9, 1961, \$422.22 a month (10-26-60).
- KOLB, MRS. DOROTHY D., Assistant in English, September 16, 1960-January 31, 1961, \$422.22 a month (10-26-60).
- KRESNOFF, CHARLES S., Instructor in Radiology (Dentistry), $\frac{1}{3}$ time, one year from September 1, 1960, \$1,500 (10-10-60).
- KRISTY, WILLIAM J., Clinical Assistant in Medicine (Medicine), one year from September 1, 1960, without salary (10-4-60).
- KUNDRAT, THEODORE, Instructor in Speech (Chicago Undergraduate Division), full time, six months from September 1, 1960, \$483.33 a month, and $\frac{1}{2}$ time, six months from March 1, 1961, \$241.67 a month, to render service during the academic year, supersedes (10-14-60).
- KURZ, DONALD A., Instructor in General Engineering (Chicago Undergraduate Division), academic year beginning September 1, 1960, \$5,600 (10-29-60).
- LAForge, GENE R., Research Assistant Professor of Psychology, academic year beginning September 1, 1960, \$7,775, supersedes (10-31-60).
- LECKEL, JOHN L., JR., Assistant in English, $\frac{2}{3}$ time, and in Verbal Communication (Division of General Studies), $\frac{1}{3}$ time, nine months from September 16, 1960, \$3,801 (10-14-60).
- LENER, RICHARD H., Instructor in English (Chicago Undergraduate Division), to render service during the first semester of the academic year, September 1, 1960-January 31, 1961, \$470 a month (10-29-60).
- LIEPINS, KURT, Research Assistant in Clinical Science (Medicine), one year from September 1, 1960, without salary (10-11-60).
- LOUCH, JUNE D., Research Assistant in Biological Chemistry (Medicine), September 15, 1960-August 31, 1961, \$7,000 a year (10-10-60).
- LYNN, PATRICIA M., Assistant in Physical Education for Women (Chicago Undergraduate Division), nine months from September 16, 1960, \$4,500 (10-26-60).
- MANSOUR, CHAFICK N., Clinical Instructor in Surgery (Medicine), ten months from November 1, 1960, without salary (10-29-60).
- MANWELL, CLYDE, Assistant Professor of Physiology, academic year beginning September 1, 1960, \$8,250, supersedes (10-26-60).
- MARTIN, GORDON E., Assistant Professor of General Engineering (C), academic year beginning September 1, 1960, \$7,500, supersedes (10-10-60).
- MAYEDA, WATARU, Associate Professor and Research Associate Professor of Electrical Engineering and in the Coordinated Science Laboratory (C), one year from September 1, 1960, \$13,000 a year (10-15-60).
- MCANDREW, JOSEPH R., Clinical Instructor in Surgery (Medicine), one year from September 1, 1960, without salary (10-11-60).
- MCCORMICK, BRUCE H., Research Associate Professor of Physics (C) and in the Digital Computer Laboratory, indefinite tenure from September 1, 1960, to render service during each academic year, \$10,000 a year, supersedes (10-11-60).
- McKINNON, DANA G., Assistant in English, September 16, 1960-January 31, 1961, \$422.22 a month, supersedes (10-11-60).

- McNAIR, THOMAS J., Instructor in Surgery (Medicine), 7/10 time, October 7, 1960-August 31, 1961, \$4,600 a year (10-26-60).
- MILLER, JOHN F., Instructor in Architecture and Art (Chicago Undergraduate Division), $\frac{5}{8}$ time, to render service during the first semester of the academic year, from September 1, 1960, \$416.67 a month (10-29-60).
- MUNO, FRANK J., JR., Apprentice Pharmacist in Manufacturing Pharmacy (Pharmacy), $\frac{1}{2}$ time, September 26, 1960-August 31, 1961, \$2,700 a year (10-10-60); Registered Pharmacist in Manufacturing Pharmacy (Pharmacy), $\frac{1}{2}$ time, ten months from November 1, 1960, \$3,000 a year, supersedes (11-2-60).
- NACHTMANN, MRS. MARGARET H., Assistant in English, September 16, 1960-January 31, 1961, \$422.22 a month (10-26-60).
- NEUJAHN, HALINA, Research Associate in Animal Science (S), one year from February 1, 1961, \$6,000 (10-29-60).
- NIEDERMAN, SARA C., Instructor in English (Chicago Undergraduate Division), September 1, 1960-January 31, 1961, to render service during the first semester of the academic year, \$3,000 (10-14-60).
- NOLAN, ROBERT L., Assistant in Physical Education for Men (Chicago Undergraduate Division), September 19, 1960-June 15, 1961, \$500 a month; in addition he will also receive \$22.22 a month from the Athletic Association for services to it (10-26-60).
- O'CONNELL, WILLIAM, Research Associate in Biological Chemistry (Medicine), eleven months from October 1, 1960, \$7,000 a year (10-26-60).
- OLSEN, IRVING S., Instructor in Foreign Languages (Chicago Undergraduate Division), full time for the first semester, \$458.33 a month, and $\frac{1}{2}$ time for the second semester, \$229.17 a month, to render service during the academic year from September 1, 1960, supersedes (10-26-60).
- PANCNER, ROBERT, Instructor in General Engineering (Chicago Undergraduate Division), academic year beginning September 1, 1960, \$5,400 (10-26-60).
- PATLOGAN, MRS. SYLVIA, Instructor in Foreign Languages (Chicago Undergraduate Division), $\frac{1}{4}$ time, September 1, 1960-January 31, 1961, to render service during the first semester of the academic year, \$800 (10-14-60).
- PATTERSON, EARL B., Assistant Professor of Botany, to render service during the first semester of the academic year, September 1, 1960-February 28, 1961, and of Plant Genetics (Agronomy) (S), second semester beginning March 1, 1961, and continuing through August 31, 1961 (on "Y" basis), \$8,200, supersedes (10-14-60).
- PAWLYNSKYJ, STEPHEN, Clinical Instructor in Pediatrics (Medicine), ten months from November 1, 1960, without salary (11-2-60).
- PETTIT, FLOYD E., JR., Research Assistant in Animal Science (S), eleven months from October 1, 1960, \$4,800 a year (11-2-60).
- PFLAUM, CLINTON D., JR., Instructor in English (Chicago Undergraduate Division), $\frac{1}{2}$ time, to render service during the first semester of the academic year, September 1, 1960-January 31, 1961, \$250 a month (10-29-60).
- POWERS, FRANCIS, Instructor in Prosthodontics (Dentistry), $\frac{3}{4}$ time, eleven months from October 1, 1960, \$2,640 a year (10-26-60).
- PULOS, PETER, Clinical Instructor in Medicine (Medicine), one year from September 1, 1960, without salary (10-14-60).
- RACKIN, DONALD, Assistant in English, September 16, 1960-January 31, 1961, \$444.44 a month, supersedes (10-11-60).
- RACSTER, RONALD L., Assistant in Finance (College of Commerce and Business Administration), nine months from September 16, 1960, \$3,800, supersedes (10-14-60).
- REDDY, THOMAS B., Research Associate in Chemistry, $\frac{4}{5}$ time, and Instructor in Analytical Chemistry, $\frac{1}{5}$ time, ten months from September 1, 1960, \$5,000, supersedes (10-26-60).
- REED, RONALD R., Clinical Assistant in Medicine (Medicine), one year from September 1, 1960, without salary (10-4-60).
- ROGGE, WILLIAM M., Research Assistant Professor of Education (University High School), August 15, 1960-June 30, 1961, \$750 a month (10-29-60).
- ROSS, JUNE R. P., Research Assistant in the State Geological Survey, one year from October 1, 1960, \$4,500 (10-26-60).
- RUDNICK, ROLAND, Instructor in Fixed Partial Prosthodontics (Dentistry), $\frac{4}{5}$ time, eleven months from October 1, 1960, \$6,000 a year, supersedes (10-14-60).

- RUTHERFORD, ROBERT E., Instructor in English (Chicago Undergraduate Division), $\frac{1}{2}$ time, to render service during the first semester of the academic year, September 1, 1960-January 31, 1961, \$260 a month (10-29-60).
- SAMET, CHARLES W., Assistant in Radiology (Medicine), one year from September 1, 1960, without salary (10-11-60).
- SCHACHT, SYLVIA N., Assistant in English, September 16, 1960-January 31, 1961, \$422.22 a month (10-26-60).
- SCHNEEMANN, CAROLEE, Instructor in Architecture and Art (Chicago Undergraduate Division), $\frac{1}{2}$ time, six months from September 1, 1960, to render service during the first semester of the academic year, \$270.84 a month (10-29-60).
- SODUFFAS, MRS. ROBERTA, Assistant in English, nine months from September 16, 1960, \$4,000 (10-29-60).
- SEDLACEK, GEORGE J., JR., Assistant in Physical Education for Men (Chicago Undergraduate Division), September 16, 1960-January 31, 1961, \$500 a month (10-26-60).
- SENGER, JOHN D., Instructor in Management, $\frac{1}{2}$ time, February 1-July 31, 1961, to render service during the second semester of the academic year, \$250 a month (10-29-60).
- SIMPSON, ROBERT D., Clinical Instructor in Surgery (Medicine), $\frac{1}{4}$ time, eleven months from October 1, 1960, \$2,500 a year (10-10-60).
- SIMS, BYRL L., Research Associate in Education (University High School), six months from November 1, 1960, \$5,000 (11-2-60).
- SINHA, MRS. I. B., Research Assistant in Plant Pathology (S), October 15, 1960-August 31, 1961, \$4,800 a year, supersedes (10-29-60).
- SINHA, RAMESH C., Research Associate in Botany, one year from September 1, 1960, \$5,500 (10-26-60).
- SISKIND, MRS. CAROLINE C., Instructor in English (Chicago Undergraduate Division), $\frac{1}{2}$ time, to render service during the first semester of the academic year, September 1, 1960-January 31, 1961, \$240 a month (10-29-60).
- SKOVLIN, DEAN O., Research Associate in Chemistry, eleven months from October 1, 1960, \$6,000 a year (10-10-60).
- SLODKI, SHELDON J., Instructor in Medicine (Medicine), eight months from January 1, 1961, \$6,000 a year, supersedes nonsalaried appointment (10-11-60).
- STEINRAUF, LARRY K., Research Assistant Professor of Chemistry, two months from June 16, 1960, \$1,334; this is in addition to his present appointment (10-25-60).
- STILLWELL, MRS. RUTH, Assistant in English, September 16, 1960-January 31, 1961, \$422.22 a month (10-26-60).
- TATSUOKA, MAURICE, Assistant Professor of Education, two years from September 1, 1961, to render service during each academic year, \$9,000 a year (10-14-60).
- TAXEY, PAUL J., Assistant in Biological Sciences (Chicago Undergraduate Division), nine months from September 16, 1960, \$4,300 (10-26-60).
- THOMPSON, RANDALL G., Head Resident, Graduate Dormitory, $\frac{1}{4}$ time, eleven months from October 1, 1960, \$1,200 a year; for the convenience of the University he will be furnished housing valued at \$900 a year, supersedes (10-26-60).
- THOMPSON, MRS. ROSEMARY B., Head Resident, Graduate Dormitory, $\frac{1}{4}$ time, eleven months from October 1, 1960, \$1,200 a year (11-2-60).
- TOMITA, GIITI, Research Associate in Botany (Photosynthesis) (Graduate College and College of Liberal Arts and Sciences), eleven months from October 1, 1960, \$5,500 a year (10-31-60).
- TRIANDIS, LEIGH M., Assistant Professor of Psychology, $\frac{1}{2}$ time, academic year beginning September 1, 1960, \$2,500 (10-10-60).
- VANPELT, MRS. RACHEL S., Assistant in English, September 16, 1960-January 31, 1961, \$466.67 a month (10-26-60).
- WATSON, FRANCIS R., Research Associate in the Office of Instructional Television (Provost's Office), October 24, 1960-August 31, 1961, \$9,500 a year (10-29-60).
- WAX, ARNOLD H., Instructor in Prosthodontics (Dentistry), $\frac{3}{4}$ time, eleven months from October 1, 1960, \$3,960 a year (10-26-60).
- WHITE, JULIE E., Assistant to the Dean of Women, $\frac{1}{2}$ time, ten months from September 1, 1960, \$1,900 (10-29-60).

- WHITE, LOUISE D., Instructor in Foreign Languages (Chicago Undergraduate Division), $\frac{3}{4}$ time, to render service during the first semester of the academic year, September 1, 1960-January 31, 1961, \$1,875 (10-14-60).
- WILF, MRS. RUTH T., Research Associate in Chemistry, $\frac{1}{2}$ time, September 19, 1960-August 31, 1961, \$2,750 a year (10-4-60).
- WINDWER, STANLEY B., Visiting Instructor in Chemistry, one year from September 1, 1960, \$6,500 (10-10-60).
- WOLOSHIN, ARTHUR A., Clinical Instructor in Psychiatry (Medicine), ten months from November 1, 1960, without salary, supersedes salaried appointment (10-26-60).
- WOOLLEY, DALE E., Assistant in English, September 16, 1960-January 31, 1961, \$422.22 a month, supersedes (10-11-60).
- YOCHIM, JEROME, Research Associate in Anatomy (Medicine), eleven months from October 1, 1960, \$5,500 a year (11-2-60).
- YOUNG, PAUL T., Professor of Psychology, 55/100 time, September 2, 1960-August 31, 1961, \$6,360 a year (10-11-60).
- ZBERAO, JOSEPH C., Assistant Reference Librarian in the Library, with rank of Instructor, ten months from November 1, 1960, \$6,000 a year (11-2-60).

GRADUATE FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the dates indicated in parentheses.)

- ALBRECHT, SHIRLEY A., National Institutes of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1960, \$2,000 (10-27-60).
- ALLEN, CYNTHIA J., United States Health, Education, and Welfare Fellow (Trainee) in Education (Office of Vocational Rehabilitation), nine months from September 16, 1960, \$1,800 (9-16-60).
- BEUKEMA, RUTH C., United States Public Health Service Fellow (Trainee) in School Psychology, nine months from September 16, 1960, \$2,000 (10-19-60).
- BOCKMAN, DALE E., United States Public Health Service Fellow (Trainee) in Anatomy (Chicago Professional Colleges), September 12, 1960-August 31, 1961, \$3,800 (10-5-60).
- BOYTS, HAROLD, National Institutes of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1960, \$2,000 (10-27-60).
- BRABNER, GEORGE, JR., United States Health, Education, and Welfare Fellow (Trainee) in Education, nine months from September 16, 1960, \$4,000 (10-4-60).
- BURSTEIN, STUART, United States Public Health Service Medical Student Fellow in Psychiatry (Chicago Professional Colleges), nine months from September 1, 1960, \$600 (9-20-60).
- CARBERRY, MARTHA M., United States Health, Education, and Welfare Fellow (Trainee) in Education (Office of Vocational Rehabilitation), September 16, 1960-January 31, 1961, \$1,000 (10-25-60).
- CHANDLER, MARGARET K., Faculty Research Fellow in Sociology and in Labor and Industrial Relations, one year from September 1, 1960, \$8,000 (10-11-60).
- CLAY, SONYA M., National Institutes of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1960, \$2,000 (10-27-60).
- CORLEY, WILLIAM G., Teaching Fellow in Civil Engineering, nine months from September 16, 1960, \$1,000, supersedes (10-5-60).
- DINKIN, EUGENE B., National Institutes of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1960, \$1,800 (10-27-60).
- EISENBERG, SARA, United States Public Health Service Fellow (Trainee) in Anatomy (Chicago Professional Colleges), September 12, 1960-August 31, 1961, \$1,800 (10-5-60).
- FERRIER, DONNA, National Institutes of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1960, \$2,000 (10-27-60).
- FUNK, NANCY J., National Institutes of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1960, \$1,800 (10-27-60).
- GILBERG, ARNOLD L., United States Public Health Service Fellow (Trainee) in Psychiatry (Chicago Professional Colleges), nine months from October 1, 1960, \$540 (10-5-60).
- GOLDSTEIN, MARILYN H., National Institutes of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1960, \$2,000 (10-27-60).

- HAHN, HANS R., United States Health, Education, and Welfare Fellow (Trainee) in Education, nine months from September 16, 1960, \$3,200 (10-7-60).
- HANDLEY, CHARLES A., JR., National Institutes of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1960, \$1,800 (10-27-60).
- HAUGEN, TORE, Special Fellow in Law, nine months from September 16, 1960, \$2,000, supersedes (9-30-60).
- HSIEH, WEI-TSE, United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1960, \$1,900 (10-11-60).
- KELLY, MARY F., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1960, \$1,900 (10-14-60).
- LEWIS, ANTONIA, National Institutes of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1960, \$2,000 (10-27-60).
- LINDE, THOMAS F., United States Health, Education, and Welfare Fellow (Trainee) in Education (Office of Vocational Rehabilitation), September 16, 1960-January 31, 1961, \$1,700 (10-5-60).
- LIPPERT, HENRY T., United States Health, Education, and Welfare Fellow (Trainee) in Education, nine months from September 16, 1960, \$3,200 (10-11-60).
- MAH, GEORGE, Union Carbide Corporation Fellow in Metallurgical Engineering, nine months from September 16, 1960, \$1,800 (10-11-60).
- MARTIN, CAROLINE C., National Institutes of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1960, \$2,000 (10-27-60).
- MAY, P. CONRAD, United States Public Health Service Fellow (Trainee) in Psychiatry (Chicago Professional Colleges), nine months from October 1, 1960, \$540 (10-5-60).
- MEDOW, JERRY H., National Institutes of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1960, \$1,800 (10-27-60).
- MOORE, ACOJIA, National Institutes of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1960, \$1,800 (10-27-60).
- MURRAY, ELLIOTT C., United States Public Health Service Fellow (Trainee) in Psychiatry (Chicago Professional Colleges), eleven months from October 1, 1960, \$2,750 (10-17-60).
- NATUSCH, LOIS E., United States Public Health Service Fellow (Trainee) in Social Work (Office of Vocational Rehabilitation), nine months from September 16, 1960, \$2,000 (10-7-60).
- OSTHOFF, (FREDA) IRENE, United States Health, Education, and Welfare Fellow (Trainee) in Education (Office of Vocational Rehabilitation), September 16, 1960-January 31, 1961, \$900 (9-16-60).
- PAGE, RICHARD F., General Electric Foundation Teaching Fellow in Accountancy, nine months from September 16, 1960, \$1,000 (10-5-60).
- PATTERSON, RICHARD L., Jones and Laughlin Steel Corporation Fellow in Metallurgical Engineering, nine months from September 16, 1960, \$1,800 (10-4-60).
- PIERCE, CAROL R., National Institutes of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1960, \$1,800 (10-27-60).
- POWELL, DAVID F., United States Public Health Service Fellow (Trainee) in Anatomy (Chicago Professional Colleges), eleven months from October 1, 1960, \$1,800 (10-13-60).
- REGIER, CHARLOTTE L., United States Public Health Service Fellow (Trainee) in Social Work (Office of Vocational Rehabilitation), nine months from September 16, 1960, \$2,000 (10-7-60).
- ROSENBLATE, HOWARD, United States Public Health Service Medical Student Fellow (Trainee) (Chicago Professional Colleges), nine months from October 1, 1960, \$540 (9-22-60).
- ROSENE, GORDON L., JR., United States Public Health Service Fellow (Trainee) in Anatomy (Chicago Professional Colleges), one year from September 1, 1960, \$3,546 (10-5-60).
- RUSKIN, STEPHEN, United States Public Health Service Medical Student Fellow in Psychiatry (Chicago Professional Colleges), nine months from September 1, 1960, \$600 (9-20-60).
- SLOCUM, DAVID S., National Institutes of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1960, \$1,800 (10-27-60).
- SOPHIANOPOULOS, ALKIS J., Postdoctoral Fellow (Trainee) in the School of Life Sciences (Biophysics), one year from October 1, 1960, \$6,000 (10-29-60).

- SPENCER, ELIZABETH F., United States Health, Education, and Welfare Fellow (Trainee) in Education, nine months from September 16, 1960, \$3,200 (10-11-60).
- STAMEY, VIETTA K., National Institutes of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1960, \$1,800 (10-27-60).
- STOVALL, ETHEL L., National Institutes of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1960, \$2,000 (10-27-60).
- TEEL, CALVIN R., United States Health, Education, and Welfare Fellow (Trainee) in Education (Office of Vocational Rehabilitation), September 16, 1960-January 31, 1961, \$900 (10-25-60).
- THOMPSON, RANDALL G., National Institutes of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1960, \$1,800 (10-27-60).
- UEBEL, JACOB J., Teaching Fellow in Chemistry, nine months from September 16, 1960, \$1,366, supersedes (9-30-60).
- WORTHLEY, WILLIAM J., United States Health, Education, and Welfare Fellow (Trainee) in Speech (Office of Vocational Rehabilitation), nine months from September 16, 1960, \$2,400 (10-7-60).
- ZWIER, MARCIA D., United States Public Health Service Fellow (Trainee) in School Psychology, nine months from September 16, 1960, \$2,000 (10-19-60).

RESIGNATIONS AND DECLINATIONS

- AIBARA, KAGEAKI, Assistant in Food Technology—resignation effective October 11, 1960.
- BEHRENS, JOHN H., Assistant Extension Editor in the Extension Service in Agriculture and Home Economics, with rank of Assistant Professor—resignation effective November 8, 1960.
- BRANDENBURG, WARNER O., Administrative Officer in Air Force Science—resignation effective September 1, 1960.
- CHAN, PAUL Y., Instructor in Surgery (Medicine)—declination effective September 1, 1960.
- COLEMAN, ROBERT V., Research Assistant Professor of Physics—declination effective September 1, 1960.
- FLEISCHER, CLARA J., Assistant Professor of Physical Medicine and Rehabilitation (Medicine) and Assistant Chief of Physical Medicine and Rehabilitation (Research and Educational Hospitals)—resignation effective January 10, 1961.
- GRIEST, GUINEVERE L., Instructor in English (Chicago Undergraduate Division)—resignation effective September 1, 1960.
- POLIDORA, VINCENT J., Research Associate in Psychiatry (Medicine)—resignation effective September 1, 1960.
- RIEMANN, HANS P., Research Assistant in Food Technology—resignation effective November 15, 1960.
- ROSENSTEIN, HERBERT R., Instructor in Applied Materia Medica and Therapeutics (Dentistry)—declination effective September 1, 1960.
- SANDERSON, GLEN C., Research Associate in the State Natural History Survey—resignation effective October 16, 1960.
- SHKLAIR, IRVING L., Research Associate in Applied Materia Medica and Therapeutics (Dentistry)—declination effective September 1, 1960.
- SLATE, WILLIAM G., Assistant Professor of Obstetrics and Gynecology (Medicine)—declination effective September 1, 1960.
- SMITH, LYNDORA M., Assistant in English—declination effective September 16, 1960.
- THOMAS, RUTH G., Assistant in Physical Education for Women (Chicago Undergraduate Division)—declination effective September 16, 1960.
- TRECHOKAS, LEOPOLD, Assistant Professor of Anatomy (Medicine)—declination effective September 1, 1960.
- VIDEKA, MICHAEL A., Instructor in Dental Radiology (Dentistry)—declination effective September 1, 1960.
- WEI, CHUAN TSENG, Research Associate in Mining and Metallurgical Engineering—resignation effective October 1, 1960.
- WENAAS, PAUL E., Instructor in Chemistry—declination effective September 1, 1960.
- WESTON, MRS. PATRICIA, Research Assistant in Chemistry—resignation effective October 15, 1960.

LEAVES OF ABSENCE

- BUDZEIKA, MARIANNE, Clinical Instructor in Pediatrics, in the College of Medicine—leave of absence, without pay, from October 1, 1960, through August 31, 1961, on account of illness.
- CALAHAN, DONALD A., Assistant Professor of Electrical Engineering—leave of absence, without pay, from March 1, 1961, through August 31, 1961.
- DRAKE, JOHN W., Assistant Professor of Microbiology—leave of absence, without pay, for one month from December 1, 1960.
- GUSTAFSON, WESLEY A., Clinical Professor of Neurological Surgery, in the College of Medicine—extension of leave of absence, without pay, from December 1, 1960, through August 31, 1961.
- HIRSCH, JERRY, Associate Professor of Psychology—extension of leave of absence, without pay, from February 1, 1961, through August 31, 1961.
- SUMPTION, MERLE R., Professor of Education and Director of Educational Surveys—leave of absence, without pay, for one month from July 1, 1961, so that he may teach in the summer session at Montana State University.

DECEMBER AND JANUARY BOARD MEETINGS

President Williamson announced that the next two meetings of the Board of Trustees will be held on Wednesday, December 21, 1960, in the First National Bank of Chicago; and on Wednesday, January 18, 1961, also in Chicago, at a time and place to be determined by the President and Secretary of the Board.

On motion of Mr. Swain, the Board adjourned.

A. J. JANATA
Secretary

KENNEY E. WILLIAMSON
President