

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

November 29, 1947



The November meeting of the Board of Trustees of the University of Illinois was held at the Blackstone Hotel, in Chicago, on Saturday, November 29, 1947, according to the following schedule:

10:30 a.m. — Executive session as in Committee of the Whole.

2:00 p.m. — Open session.

The following members were present: President Livingston, General Davis, Mr. Fornof, Mrs. Holt, Dr. Luken, Mr. McKelvey, Mr. McLaughlin, Mr. Nickell, and Mr. Williamson.

President Stoddard was present; also Dr. A. C. Ivy, Vice-President in charge of the Chicago Professional Colleges, Professor C. R. Griffith, Provost, Mr. A. J. Janata, Assistant to the President, Mr. H. E. Cunningham, Secretary, Professor Lloyd Morey, Comptroller, Professor W. E. Britton, Legal Counsel, and, during part of the day, Mr. J. F. Wright, Director of Public Information.

MINUTES APPROVED

The Secretary presented the minutes of the meeting of September 26, 1947.

On motion of Mr. Nickell, the minutes were approved as printed on pages 805 to 880 above.

REPORT OF EXECUTIVE COMMITTEE

The Secretary reported for record that action had been taken on November 13, 1947, approving the award of contract as recommended in the following matter.

**Contract for Remodeling of Space for Telephone Equipment and
Exchange in the Chicago Professional Colleges**

The President's Office submitted to the Executive Committee the following bids received November 5 for the remodeling of space for relocation of the central telephone equipment and exchange in the Chicago Professional Colleges:

Mutual Contracting Company, Chicago.....	\$4 496
L. J. Graf Construction Company, Chicago.....	6 840
George C. Olufsen and Son, Chicago.....	5 300

The Director of the Physical Plant Department and the Comptroller recommended, the President's Office concurring, that a contract be awarded to the lowest bidder, the Mutual Contracting Company, in the amount of \$4,496. This is a lump sum bid with percentages to be added or deducted for any variations from the original specifications. Funds are available in the special appropriation made by the Board of Trustees on August 5, 1947 (Minutes, page 491), for the relocation of this telephone system.

The Executive Committee on November 13 authorized the award of the contract as recommended.

MATTERS PRESENTED BY PRESIDENT STODDARD

The Board considered in executive session the items on the agenda, and took action on the following matters presented by the President of the University.

PURCHASE OF EQUIPMENT FOR BETATRON

(1) Construction of the new 300-million-electric-volt betatron requires: (1) back-wound "A" coil; (2) core blocking; (3) transformer bank. These component parts of the betatron are being designed and specified by the Allis-Chalmers Manufacturing Company with whom the Board of Trustees on May 27, 1947 (Minutes, page 368), authorized a contract on a cost basis for engineering services in the design and preparation of working drawings for the betatron.

The items above listed are very special and must comply exactly with detailed specifications. In the opinion of University officials and Allis-Chalmers Manufacturing Company engineers, it is not possible for any manufacturer to determine in advance what the cost of production will be. Allis-Chalmers Manufacturing Company, while not willing to quote any definite price, is willing to undertake the manufacture on an open order with the understanding that billing will be at their cost, to be determined by their usual cost accounting methods, including manufacturer's profit. The cost to the University is estimated to be about \$40,000.

Professor D. W. Kerst, in charge of construction and of the betatron research program, Professor F. W. Loomis, Head of the Department of Physics, the Director of Purchases, and the Comptroller recommend that an open order be placed with the Allis-Chalmers Manufacturing Company to produce these items at prices to be determined when they are completed.

Funds are available in the State appropriation for "Completing construction of the Betatron and associated equipment."

On motion of Mr. Nickell, this matter was referred to the Executive Committee with power to act.

RECOMMENDATIONS FROM FACULTY COMMITTEE ON PATENTS

(2) The Faculty Committee on Patents submits the following report and recommendations relating to patentable discoveries made by members of the University staff:

1. "Supersonic detection of infra-red radiation" or the application of coupling effects between electromagnetic radiation and suitably chosen supersonic fields.

Discovery by Messrs. William J. Fry, Special Research Assistant Professor, and H. L. VanVelzer, Special Research Associate Professor of Electrical Engineering. Mr. Fry has submitted this statement about the discovery:

"It is possible to detect a modulated infra-red beam by irradiating a supersonic field and observing the resulting changes in sound pressure amplitude at a suitably placed detector.

"Two distinctly different types of coupling have been observed. The first is due to a heating of the gas under irradiation. The magnitude of this effect decreases rapidly as the modulating frequency is increased.

"The second type of coupling has been observed by irradiating a column of CO_2 gas which is excited at a supersonic frequency in the neighborhood of maximum absorption. When the gas is irradiated under these conditions there is no appreciable decrease in the magnitude of the coupling effect as the modulating frequency is increased. This is distinctly different from the other type of coupling and it indicates that this effect is not dependent on heating the gas."

The scope of this work is described as (1) supersonic fields generated in any fashion and incident electromagnetic radiation generated in any fashion, and (2) coupling effects utilizing heating due to absorption, and changes in acoustic absorption coefficient.

There are a number of applications for this discovery, the more prominent being (a) covering device utilizing the observed interaction such as detectors of radiation, detector amplifiers, power measuring devices, temperature measurement devices, and (b) image forming devices using these mechanisms.

Professor W. L. Everitt, Head of the Department of Electrical Engineering, has expressed doubt that this discovery will have any commercial possibilities and stated that its principal application would likely be in military operations.

This work was done under a contract between the University of Illinois and the Air Materiel Command of the Army Air Forces.

The Faculty Committee on Patents recommends that the University release to the discoverers the right to file an application for a patent on this discovery subject to the rights of the Air Materiel Command.

2. Procedure for concentration of anhydrous hydrazine.

Messrs. L. F. Audrieth, Professor of Chemistry, and R. A. Penneman, a graduate student in the Department of Chemistry last year, have reported that during the course of researches designed to make more readily available anhydrous hydrazine they have worked out a procedure for concentration of this material. Professor Roger Adams, Head of the Department, has expressed the opinion that this procedure is not patentable and that while it might have a technical value in industry it would not be for a long time.

The Committee recommends that this discovery be released to the discoverers so that they may be free to bring it to the attention of industries interested in this method of anhydrous hydrazine. The Committee also considered the possible interest of the University of Illinois Foundation but came to the conclusion that because the discovery is chiefly of interest to the Army neither the Foundation nor the University should apply for a patent.

3. "Continuously variable resonant frequency crystal systems, composed of a single material or any combination of materials."

Discovery by Mr. William J. Fry, Special Research Assistant Professor of Electrical Engineering. Mr. Fry has submitted the following statement concerning this discovery:

"The variable resonant frequency is obtained by coupling any mode of vibration of any type of cut of any crystalline or non-crystalline substance to a material of variable shape, size or volume. This coupling is obtained in any fashion. The driving force may be a voltage applied to various faces of the crystalline or non-crystalline material.

"Examples: (a) Crystal cut coupled to a liquid through a combination of intermediate materials such as a crystal, metal, mercury combination. The liquid volume may be varied. (b) Crystal cuts coupled to a system whose shape is continuously variable, but not necessarily the volume. The coupling at interfaces may take place through liquids.

"Application of such systems to filters, sound sources or receivers, vibration pickups, treatment of biological material or organisms. This would be of interest in

the medical and aeronautical fields, i.e., the blacking out of pilots during operation of high speed aircraft."

Professor W. L. Everitt, Head of the Department of Electrical Engineering, has stated that the chances of developing this discovery to any commercial extent are small.

The Committee recommends that the University's rights with respect to this discovery be released to the University of Illinois Foundation, with the recommendation that it work out a cooperative arrangement with the discoverer, or in the event that the Foundation is not interested in attempting exploitation of this discovery that the same be released to the discoverer.

4. A simple procedure for the preparation of the mono-fluophosphates.

Discovery by Messrs. L. F. Audrieth, Professor of Chemistry, and O. F. Hill, Research Fellow in Chemistry.

Professor Roger Adams, Head of the Department of Chemistry, reports that this material has no industrial use, that there is none in sight, and in view of these considerations and the cost, recommends that the discovery be released to the discoverers.

The Committee recommends that this discovery be released to the discoverers.

On motion of Mr. McLaughlin, these releases were referred to the Board Committee on Patents for investigation and recommendation to the Board. The Board also concurred in the President's proposal that all recommendations involving the application for or release of patent rights should have the approval of the University Research Board, as well as that of the Faculty Committee on Patents, before coming to the Board of Trustees.

UNIVERSITY WATER SUPPLY

(3) For several years the water level in the ground resources from which the University and the Illinois Water Service Company (the utility which supplies water to Champaign and Urbana) take their supply has been dropping at the rate of one foot per year. During the year 1945-1946 the water level dropped approximately five feet. The Illinois Water Service Company is developing a new source of supply and plans to discontinue pumping from its present areas, except in emergencies or until such time as the ground water supply has been replenished by natural infiltration.

Repeated efforts have failed to locate an additional supply on University property. Engineers have advised the Physical Plant Department, and the Director concurs in their conclusions, that it would be more economical for the University to purchase its entire water supply from the Illinois Water Service Company than to go off campus the distance that would be necessary to obtain an adequate water supply, in as much as the Illinois Water Service Company has already begun the development of new resources. The increased cost of purchasing water from the Illinois Water Service Company is estimated at about \$17,000 a year, but it is not as great as the comparable capital cost of increasing the facilities necessary to maintain the University's own water supply.

The Director of the Physical Plant Department therefore recommends that a contract be entered into with the Illinois Water Service Company for the entire University's water supply at Urbana-Champaign. I recommend that this proposal be referred to the Committee on Buildings and Grounds for consideration and report to the Board.

This matter was referred to the Committee on Buildings and Grounds as recommended.

The Board recessed for luncheon.

OPEN SESSION

MATTERS PRESENTED BY PRESIDENT STODDARD

The Board considered in open session, after luncheon, the following matters presented by the President of the University.

AWARD OF CERTIFICATES OF CERTIFIED PUBLIC ACCOUNTANT

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded the following who have made applications therefor under Section 5 of the Accountancy Act of 1943 and who have presented evidence that they are holders of valid and unrevoked C.P.A. certificates issued by other states and that they qualified for these certificates by passing the regular written examinations:

CHALMER ALVIN BALFANZ (Wis.)
ALEXANDER GEORGES (Wis.)
RAY ALVIN LARSEN (Tex.)
WILLIAM HENRY MIDDLETON (Mo.)

LEWIS EDWARD ROSSITER (D. C.)
CLARENCE WALTON WILBUR SMITH
(Ohio)

I concur.

On motion of Mr. McKelvey, these certificates were awarded as recommended.

LEAVE OF ABSENCE FOR PROFESSOR EDGAR L. ERICKSON

(2) The Under Secretary of the Army has requested that Dr. Edgar L. Erickson, Associate Professor of History, be granted a leave of absence from the University for service to the Department of the Army in the writing of its war history. As an officer in the Army of the United States, and later as a civilian staff member of the Civil Affairs Division, Professor Erickson conducted research in the records of the World War II military government experiences. Since his return to the University, the research has been completed and Professor Erickson now is needed to write that portion of the history pertaining to Germany and Austria.

It is anticipated that this work can be completed during the second semester and summer of the current academic year. The Department of the Army will make satisfactory salary arrangements with Professor Erickson covering the full period of his services.

I recommend that Professor Erickson be given a leave of absence without pay from March 1 to September 1, 1948.

On motion of Mrs. Holt, this leave was granted as recommended.

RETIREMENT OF PROFESSOR O. F. WEBER

(3) Professor O. F. Weber of the College of Education has requested that he be retired from active service beginning May 1, 1948, under the provision in the law creating the University Retirement System of Illinois which permits retirement "on or after the attainment of age sixty-five (65) in exceptional cases and for substantial cause at the request of the Employee and upon certification of the Employer."

Professor Weber will be 66 years of age on March 6, 1948, and has requested retirement because of his health. At the end of the current semester Professor Weber will have been in the service of the University 25½ years. He has been granted sick leave from November 1, 1947, until May 1, 1948.

I recommend approval.

On motion of Mr. Nickell, this retirement was authorized as recommended.

**APPOINTMENTS OF UNIVERSITY REPRESENTATIVES ON
BOARD OF MEDICAL DIRECTORS OF INSTITUTION
FOR TUBERCULOSIS RESEARCH**

(4) An Act of the 65th General Assembly provides for the establishment of an Institution for Tuberculosis Research in Chicago for the production, distribution, and application of the bacillus Calmette-Guerin (BCG) and other methods and materials for the prevention of tuberculosis and for conducting research in tuberculosis.

Professional operation and all other management of the institution is vested jointly in the Municipal Sanitarium of Chicago and the University of Illinois, to be exercised through a board of five medical directors, two of whom shall be directors of the Sanitarium, two appointed by the University, and one elected by the medical directors representing the Sanitarium and the University. The elected member

shall serve for five years. The tenure of University members shall be designated by the Board of Trustees of the University. The Sanitarium members shall serve during their tenure as directors on the Board of Directors of the Sanitarium. The terms of the University members and elected member shall commence July 1 of the year of appointment. Vacancies of University members and the elected member shall be filled for the balance of the unexpired term. All members shall serve until their successors are appointed. Members shall serve without compensation but will be reimbursed for expenses incurred in the performance of their duties.

Funds have been appropriated for the purchase of land for the institution and for the construction of a building and equipment.

I recommend the appointment of Dr. Andrew C. Ivy, Vice-President of the University in charge of the Chicago Professional Colleges, and Dr. John B. Youmans, Dean of the College of Medicine, as the University of Illinois representatives. I recommend also that the terms of the University representatives be for two years.

On motion of Mr. McLaughlin, these appointments were approved as recommended.

REGISTRATION FEE FOR NURSERY SCHOOL FOR CHILDREN OF STUDENT WAR VETERANS

(5) It is recommended that the registration fee for children entering the Nursery School for Children of Student War Veterans be set at \$10 a semester for the first child accepted from a family and \$5 for each additional child from the same family.

The School started on November 17, 1947, and as an emergency the fee for the current semester was set at \$7.50 for the first child from a family and \$5 for each additional child, the reduction from the recommended fee being due to the decrease in the period of instruction.

The Provost and the Comptroller recommend approval of this fee schedule and of the reduction for the current semester.

I concur.

On motion of Mrs. Holt, these fees were approved and confirmed as recommended.

FISCAL OPERATIONS OF DIVISION OF SERVICES FOR CRIPPLED CHILDREN AND DELEGATION OF SIGNATURES

(6) The State appropriations for the operation of the Division of Services for Crippled Children are made to the University of Illinois. Because of the professional nature of its services, the Division is under the general supervision of the Vice-President in charge of the Chicago Professional Colleges. Consequently, the accounting and other financial services for the Division are being performed by the Chicago Business Office. Vouchers for disbursement of the Division's funds are prepared in its office in Springfield, sent to Chicago for processing and accounting, and then sent to the Auditor of Public Accounts in Springfield for payment.

The Comptroller has reviewed this financial procedure with the Director of the Division and others concerned and has worked out a system which will make possible the processing of vouchers in the office of the Division in Springfield, and transmittal directly to the State Auditor of Public Accounts for payment. The accounts will be centralized within the office of the Division. The Comptroller reports that adequate means of control and responsibility have been set up to protect the University, keep the operations of the Division in line with the business practices of the University, and provide a satisfactory independent check.

DELEGATION OF SIGNATURES

The Comptroller requests adoption of the following resolution as an addendum to the resolution for the delegation of signatures approved by the Board on March 27, 1947. The purpose is to provide for centralizing and expediting the preparation of vouchers against the State Auditor by the Division of Services for Crippled Children from its own funds.

Resolved, That the President and the Secretary of the Board of Trustees of

the University of Illinois are authorized to delegate the signing of their names as President and Secretary respectively to vouchers against funds of the Division of Services for Crippled Children to be presented to the State Auditor under the following conditions:

The President of the Board of Trustees is authorized to delegate to Herbert R. Kobes and Mabel F. Meek authority to sign his name as President of the Board of Trustees on vouchers against the State Auditor approved in accordance with regulations of the Board.

The Secretary of the Board of Trustees is authorized to delegate to Mrs. Freida M. Hicks and to Lean C. Ryan authority to sign his name as Secretary of the Board of Trustees on vouchers against the State Auditor approved in accordance with the regulations of the Board.

And be it further resolved that the Auditor of Public Accounts is hereby authorized and directed to honor vouchers bearing facsimile signatures of the President and the Secretary of the Board of Trustees of the University of Illinois if such facsimile signatures resemble the facsimile specimen duly certified to or filed with the Auditor of Public Accounts by the Secretary.

On motion of Mr. McKelvey, this resolution was adopted as recommended.

COLLEGE OF AGRICULTURE AND AGRICULTURAL EXPERIMENT STATION RESEARCH AND MARKETING FUND BUDGET

(7) Federal funds have been allocated to the College of Agriculture and the Agricultural Experiment Station for further research into the basic laws and principles relating to agriculture and to improve and facilitate the marketing and distribution of agricultural products. The amount which has been made available is \$52,936 for the fiscal year 1947-1948, and the following budget is submitted:

Salaries (appointments to be approved by the President).....	\$36 200
Wages.....	5 000
Expense and equipment.....	11 736
	<u>\$52 936</u>

The foregoing budget has been prepared by Dean and Director H. P. Rusk and has been reviewed by the Comptroller. I recommend its approval subject to adjustment within the total.

On motion of Mr. Fornof, this budget was approved as recommended; the funds were appropriated by the following vote: Aye, Mr. Davis, Mr. Fornof, Mrs. Holt, Mr. Livingston, Dr. Luken, Mr. McKelvey, Mr. McLaughlin, Mr. Nickell, Mr. Williamson; no, none; absent, Mr. Green, Dr. Meyer.

SPECIAL APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(8) The Committee on Special Appropriations and Nonrecurring Expenditures recommends assignments from the General Reserve Fund for the following purposes:

1. Remodeling of fourth floor in Mumford Hall.....\$1 700
2. Remodeling in Architecture Library..... 1 200

On motion of Mr. McLaughlin, these appropriations were made as recommended, by the following vote: Aye, Mr. Davis, Mr. Fornof, Mrs. Holt, Mr. Livingston, Dr. Luken, Mr. McKelvey, Mr. McLaughlin, Mr. Nickell, Mr. Williamson; no, none; absent, Mr. Green, Dr. Meyer.

SPECIAL APPROPRIATION OF ATHLETIC ASSOCIATION FUNDS

(9) The Board of Directors of the Athletic Association requests approval by the Board of Trustees of an appropriation made by it of \$25,000, or so much thereof as may be necessary, to cover expenses of sending the University of Illinois Band

to the Illinois-Army game in New York. The contract with the Army provides for a refund to the association of approximately \$10,000 of this amount when all accounts are settled.

The Association has agreed in its contract to share the expenses of bringing the United States Military Academy Cadet Corps and Band to the game at the University in 1948 on a similar basis.

I recommend approval of this appropriation.

On motion of Mr. Davis, this appropriation was approved as recommended.

ADDITION TO THE CONTRACT WITH W. A. POPE AND COMPANY FOR PIPING IN UTILITIES DISTRIBUTION TUNNELS

(10) W. A. Pope and Company, Chicago, are installing piping in the heat tunnel of the Utilities Distribution System under a contract awarded by the Board of Trustees January 25, 1947 (Minutes, page 228).

One division of the original bid provided for a line to the site of the new Veterinary building. Since funds are not available for the construction of this building, it is not necessary for the present to construct the line to that site, and this division of the bid was not included in the contract. It is necessary, however, to construct a short section to the Dairy Manufactures building to complete the loop of the heat tunnel.

The Director of the Physical Plant Department and the Comptroller recommend an addition of \$4,168 in the contract to provide for this additional piping installation. The estimate has been checked and approved by Sargent and Lundy, Engineers, for this project and funds are available in the State appropriation for the Utilities Distribution System.

I recommend approval.

On motion of Mrs. Holt, this addition to contract was approved as recommended.

AWARD OF CONTRACT FOR TRAMRAIL EQUIPMENT IN THE MECHANICAL ENGINEERING BUILDING

(11) The following bids were received on October 9 for tramrail equipment for the new Mechanical Engineering Building:

Cleveland Tramrail Chicago Co., Chicago.....	\$8 943 00
Industrial Equipment Co., Chicago.....	8 044 00*
The Loudon Machinery Co., Chicago.....	7 996 62

Fugard, Burt, and Wilkinson, Architects for the building, recommend, and the Director of the Physical Plant and the Comptroller concur, that the proposal of the Loudon Machinery Company, the lowest bidder, be accepted, at their lump-sum price of \$7,996.62. Their bid contains an escalation clause only so far as prices of their part suppliers to them are concerned.

I concur and request authorization of the Comptroller and the Secretary of the Board to execute a contract in accordance with the above recommendation.

On motion of Mr. Nickell, this contract was authorized as recommended.

REASSIGNMENT OF FUNDS FOR STAFF HOUSING

(12) On September 26, 1947 (Minutes, page 821), the Board of Trustees approved a staff housing project to be paid from the State appropriation of \$250,000 for staff housing. The estimated distribution of this appropriation was:

25 additional prefabs.....	\$154 300	
6 research homes.....	33 950	
F.P.H.A. housing units.....	61 750	\$250 000

An adjustment in this distribution is requested to provide for the following changes:

1. One of the group of prefabricated staff houses erected under the original program approved by the Board of Trustees on May 29, 1946 (Minutes, page

* Plus an estimated cost of \$1,675 for installation.

1115), was sold to a staff member in accordance with the general policy of the program. Proceeds of the sale were used to erect another staff house. The staff member who purchased the house is now leaving the University and has offered to sell the house to the University for the original purchase price plus an allowance for the improvements which he has made.

There is still acute need for staff housing, and the Provost, the Director of the Physical Plant, and the Comptroller recommend that this house be reacquired. An additional allotment of \$8,500 will be necessary to complete the transaction.

2. It was estimated that the original program of 44 prefabricated houses and the supplementary program of 25 houses would cost \$577,000 in total. Actual costs will exceed this amount by \$4,500, and an additional allotment of this amount is necessary.

The total amount allocated for the F.P.H.A. housing units from the State appropriation will not be needed, and the Comptroller recommends that the distribution of the special State appropriation for staff housing be revised to provide for the above changes. The revised allocations would be as follows:

Prefabricated staff housing.....	\$167 300	
Six research houses.....	33 950	
F.P.H.A. housing units.....	<u>48 750</u>	\$250 000

I concur and recommend approval.

On motion of Mr. Fornof, this reallocation of funds was approved.

ADDITION TO CONTRACT FOR SUPPLEMENTAL STAFF HOUSING PROJECT

(13) On April 24, 1947 (Minutes, page 341), the Board of Trustees approved a supplemental staff-housing program consisting of 25 prefabricated houses and six research houses on Hessel Boulevard in Champaign. While Hessel Boulevard, prior to University construction activities, had some gravel surfacing, construction work has left it in a very bad condition. The City of Champaign has some responsibility for maintaining and restoring the surface, but it is unlikely that it will do anything.

It is proposed to grade and resurface the street with gravel, the cost to be borne by the various property owners. Twin City Real Estate Exchange, from whom the University purchased the land and prefabricated houses, owns most of the remaining property affected. The University's share of the cost of improving the road is estimated at \$3,035 and could be included as an addition to the original contract of purchase, in establishing the basis of resale.

Funds are available in the special State appropriation for staff housing.

The Director of the Physical Plant and the Comptroller recommend that this contract with the Twin City Real Estate Exchange be increased to provide for this work.

On motion of Mr. Fornof, this increase of contract was authorized as recommended.

RESOLUTION AUTHORIZING THE UNIVERSITY OF ILLINOIS FOUNDATION TO EXECUTE CONTRACTS FOR DEVELOPMENT OF 4-H CLUB CAMPS

(14) The Dean of the College of Agriculture, the Comptroller, the Legal Counsel, and the Manager of the University of Illinois Foundation request that the Board of Trustees adopt the following resolution to clarify certain financial and contractual problems which have arisen in the development of the 4-H Club Camp at Robert Allerton Park and the expenditure of funds raised for that purpose by 4-H Clubs.

I concur.

RESOLUTION

Whereas, at its meeting on April 24, 1947 (Minutes, page 334), The Board of Trustees of the University of Illinois requested The University of Illinois Foundation "to assume the responsibility of receiving, holding, and disbursing funds for 4-H Club Camps," and

Whereas, in the establishment, maintenance, and operation of the 4-H Club

Camp on the Allerton property, construction and other types of contracts must be entered into with various persons, and

Whereas, in his letter of October 28, 1946, to Dean A. J. Harno, as Chairman of the Committee then in charge of the administration of the Allerton Farm, President Stoddard placed the responsibility for the development of the Allerton 4-H Club Camp in the College of Agriculture of the University of Illinois, and

Whereas, it will be necessary either for The Board of Trustees of the University of Illinois or The University of Illinois Foundation to execute such contracts, and

Whereas, by virtue of its Resolution adopted at its meeting on June 14, 1947, The University of Illinois Foundation expressed its willingness to assume the responsibility of receiving, holding, and disbursing funds for such 4-H Club Camp, as requested by The Board of Trustees of the University of Illinois, and is now in possession of such funds, and by reason thereof, it seems that, if The University of Illinois Foundation would be willing to assume responsibility for the execution of such contracts, under circumstances where its separate funds and property will not be jeopardized thereby, such procedure would be desirable;

Therefore, be it resolved by The Board of Trustees of the University of Illinois that The University of Illinois Foundation be and it is hereby requested to consider the acceptance of such responsibility under conditions where its liability is limited to the funds held by The University of Illinois Foundation in trust for the Memorial 4-H Club Camp on the Allerton property.

On motion of Mr. McLaughlin, this resolution was adopted.

DEGREE OF BACHELOR OF FINE ARTS IN ADVERTISING DESIGN

(15) The College of Fine and Applied Arts offers a curriculum in art with options in painting, commercial design, and industrial design. Recently the option in commercial design was changed to advertising design but without a corresponding change in the degree offered for this option.

I recommend that the Board of Trustees authorize conferring of the degree of Bachelor of Fine Arts in Advertising Design, replacing the degree in commercial design.

On motion of Mr. Williamson, this degree was authorized as recommended.

PURCHASES

(16) There are submitted herewith (Appendix, page 943): A. Recommendations for purchases, and B. Purchases authorized by the President of the University.

On motion of Mr. Williamson, the purchases recommended were authorized and the action of the President of the University in authorizing emergency purchases was approved and confirmed.

GIFTS AND GRANTS OF FUNDS FOR RESEARCH AND OTHER PURPOSES

(17) A report of the following gifts and grants of funds for research and other purposes received by the University since the last report (August 5, 1947):

Gifts

1. Vitreous Steel Products Company, Nappanee, Indiana, \$7,500 for the purchase of X-ray equipment in the Department of Ceramic Engineering.

2. Illinois Federation of Women's Clubs, \$2,000 for the continuation of scholarships in Occupational Therapy.

3. Combined Class Scholarship Fund, \$1,904.77. This money has accumulated from the Combined Class funds set up to finance the major class dances. It is to be used for undergraduate scholarships.

4. The Class of 1947, \$587.35 for undergraduate scholarships for needy students.

5. The Kroger Company, Cincinnati, Ohio, \$1,200 for undergraduate scholarships in agriculture and home economics.

6. Lau Blower Company, Dayton, Ohio, a set of orifices for use in measuring air flow in the Department of Mechanical Engineering. This gift is valued at \$505.

7. American Legion Auxiliary, \$500 for use in the cooperative play-groups for veterans' children at the University.
8. Rite-Way Products Company, Chicago, \$200 for a scholarship to be awarded to a student who has done outstanding work in 4-H Club or Future Farmers of America activities.
9. Illinois Congress of Parents and Teachers, District 25, \$87.68 which represents the balance of a fund raised for "Living Memorials," and will be used for the purchase of a wheel chair table. The money has been added to the Occupational Therapy Gift Fund.
10. An additional \$100 for the Tau Delta Tau Student Loan Fund previously accepted by the Board of Trustees.

Grants for Research

1. Herman Frasch Foundation for Chemical Research, New York City, \$6,400 for research by the Agricultural Experiment Station on "The increase of the humus content of soils and the functions of organic matter in producing super high yields of crops." This amount will be given annually for a period of five years if progress on the research project is considered satisfactory at the completion of each year.
2. Midwest Barley Improvement Association, \$100 in support of a barley variety-fertilizer test at Woodstock, Illinois.
3. Abbott Laboratories, Eli Lilly and Company, Parke, Davis and Company, and the Upjohn Company, an additional grant of \$9,600 in support of research on antibiotics in the Agricultural Experiment Station during the year beginning September 1, 1947.
4. E. I. du Pont de Nemours and Company, Wilmington, Delaware, \$4,500 in support of the du Pont Postdoctoral Fellowship in Chemistry during the academic year 1947-1948, \$3,000 to be used as stipend and \$1,500 for purchase of supplies and equipment.
5. American Cyanamid Company (Calco Chemical Division), Bound Brook, New Jersey, \$3,000 for a postdoctoral fellowship in chemistry for one year.
6. Allied Chemical and Dye Corporation, New York City, \$1,700 for two fellowships of \$1,200 each in chemistry during the year 1947-1948. This is a renewal of a previous grant. A balance of \$700 remaining from a grant for 1946-1947 makes the total of \$2,400 for this year.
7. Texas Gulf Sulphur Company, \$2,000 for the continuation of research in the Department of Chemistry on the mechanism of the combustion of sulfur during the year 1947-1948.
8. The Firestone Tire and Rubber Company, Akron, Ohio, \$1,500 in support of a fellowship in chemistry during the academic year 1947-1948.
9. Magnavox Foundation, Inc., Fort Wayne, Indiana, \$1,500 to continue a fellowship in chemistry during the academic year 1947-1948.
10. Eastman Kodak Company, Rochester, New York, \$1,200 to continue support of a fellowship in organic chemistry during the year 1947-1948.
11. Röhm and Haas Co., Philadelphia, Pennsylvania, \$1,200 to continue support of a fellowship in chemistry during the academic year 1947-1948.
12. Cincinnati Chemical Works, Inc., Norwood, Ohio, \$1,000 to continue support of a fellowship in chemistry during 1947-1948.
13. Corn Products Refining Company, Argo, Illinois, \$1,000 to continue support of research on phytates in the Department of Chemistry under the direction of Professor J. C. Bailar during the year beginning September 1, 1947.
14. Victor Chemical Works, Chicago, an additional grant of \$750 in support of a fellowship in chemistry up to February 1, 1948. A previous grant of \$1,750 was renewed last year.
15. Pan American Refining Corporation, New York City, \$1,265 in continued support of a graduate fellowship in chemical engineering during the academic year 1947-1948.
16. Shell Fellowship Committee, New York City, \$1,200, plus tuition fees up to \$300, in support of a fellowship in chemical engineering during the academic year 1947-1948.
17. United Engineering Trustees, Inc., \$4,800 for the completion of the research project "Fatigue tests of welded structural joints" in the Department of Civil Engineering.

18. Owens-Illinois Glass Company, Toledo, Ohio, \$1,800 in support of a graduate fellowship in Ceramic Engineering during the year 1947-1948, \$1,500 to be used for stipend and \$300 for expenses of research.

19. The International Nickel Company, Inc., New York City, \$1,500 plus tuition fees in support of a graduate fellowship in Mining and Metallurgical Engineering during the academic year 1947-1948.

20. Asthmatic Children's Aid Society, Chicago, \$10,125 to be used as follows: \$9,925 for expenses of the Allergy Unit during the year 1947-1948 not covered by the College of Medicine budget, and \$200 to cover a previous commitment for technical help made by the Asthmatic Children's Aid for the year 1946-1947.

21. National Foundation for Infantile Paralysis, Inc., New York City, \$4,800 additional for the study of poliomyelitis patients by means of the electrical stimulating machines which the Foundation is supplying. This supplements a previous grant of \$3,500 made last year.

22. American Medical Association, \$2,000 for the continuation of a study on resuscitation and carbon monoxide poisoning in the College of Medicine.

23. American Bottlers of Carbonated Beverages, Washington, D. C., \$2,500 for a study of the effect of water charged with carbon dioxide on the secretion of acid by the stomach, rate of emptying of the stomach, and rate of absorption of glucose, in the College of Medicine.

24. A. E. Staley Manufacturing Company, Decatur, Illinois, \$2,000 for a study of the effect of inositol in preventing experimental cancer of the liver and the development of a fatty liver under various conditions which predispose to its development, in the College of Medicine.

25. Armour Laboratories, Chicago, \$800 for research in the Department of Medicine during August, September, and October, 1947.

26. Abbott Research Laboratories, North Chicago, Illinois, \$1,500 in support of clinical evaluation of antispasmodic compounds, a study by the Department of Zoology and Physiology.

27. General Mills, Incorporated, Minneapolis, Minnesota, \$800 in support of research by the Department of Zoology and Physiology.

28. Committee on Research in Problems of Sex, National Research Council, Washington, D. C., \$250 in support of a study by the Department of Zoology and Physiology for the development of a new estrogen test and a pregnancy test.

This report was received for record.

COMPTROLLER'S REPORT OF CONTRACTS

(18) The Comptroller's report of contracts executed, October 11 to November 10, 1947 (see Appendix, page 945).

This report was received for record.

QUARTERLY REPORT OF THE COMPTROLLER

(19) The Comptroller presents his quarterly report to the Board as of June 30, 1947.

This report was received for record.

PURCHASE OF FIDELITY AND BURGLARY INSURANCE

(20) Fidelity and burglary insurance now in force will expire January 1, 1948.

Quotations were requested from seventy agents representing both stock and mutual companies for comprehensive insurance described as "Dishonesty, Disappearance, and Destruction" coverages as follows:

1. Blanket position bond coverage in the amount of \$10,000 applicable to each full or part time University employee, including employees of the University of Illinois Alumni Association.

2. Excess position bond coverage on certain positions.

3. Blanket location coverage on the loss of money, securities, and property occurring within the premises, including damage to the premises, furnishings, equipment, and fixtures in the amount of \$40,000 at Urbana-Champaign, Chicago, Galesburg, and Dixon Springs.

4. Blanket location coverage in the amount of \$20,000, with \$3,000 additional on a second custodian at Urbana-Champaign, on the loss of money, securities,

and property occurring outside the premises, and covering Urbana-Champaign, Chicago, and Galesburg.

5. Loss caused by forgery or alteration of any check, draft, or promissory note or similar written direction or promise to pay of a certain sum of money. Coverage in the amount of \$10,000 is to attach to the University's own account in any bank in which the University of Illinois has an account.

Quotations were received from thirteen companies of annual premiums ranging from \$1,149.80 to \$3,026.67. The three-year premiums (2½ times the annual premium) range from \$2,873.53 to \$7,566.68.

On January 1, 1948, all companies in the State of Illinois will be required to file with the State a list of the rates applicable to each type of risk and the amount of discount credit applicable to each risk. It appears likely that the companies will file moderate or averaged discount rates and the University will not be able to obtain as large a discount, because of exceptionally good loss experience, as is possible now when companies are permitted to discount the rates as they see fit.

The Director of Purchases and the Comptroller recommend that the University take advantage of the low rates now in effect by placing this insurance in effect prior to January 1 and having the coverage written for three years. They further recommend that the policy be written by the American Motorists Insurance Company, Chicago, Illinois, the lowest bidder, at a premium of \$2,873.53 for a three-year period.

On motion of Mr. Williamson, this contract was awarded as recommended.

ADDITION TO CONTRACT FOR GENERAL WORK ON THE AGRONOMY GREENHOUSE ADDITIONS

(21) On April 24, 1947 (Minutes, page 344), the Board of Trustees approved a contract with E. N. DeAtley for the general work on the Agronomy Greenhouse.

The Director of the Physical Plant Department requests an addition to this contract in the amount of \$1,935 in connection with the extension of utilities for this project.

The Comptroller recommends that such an addition be made to the contract with E. N. DeAtley.

I concur and request that the Comptroller and the Secretary of the Board be given authority to make this addition.

On motion of Mr. McKelvey, this authority was granted as recommended.

AWARD OF CONTRACTS FOR THE AGRONOMY GREENHOUSE

(22) The following bids have been received for the provision of utility services to the Agronomy Greenhouse:

	<i>Heating</i>	<i>Plumbing</i>	<i>Electrical</i>
Robert Gordon, Inc.....	\$19 862 00	.....	.....
W. T. Mahoney and Sons.....	27 670 00	\$12 448 00	.....
J. M. Bean Electric and Hardware Co.....	.....	.....	\$8 775 00
Bland Electric Co.....	.....	.....	8 453 50
Anderson Electric Co.....	.....	.....	8 127 00
Electric Contractor's, Inc.....	.....	.....	10 000 00
Leverenz Electric Co.....	.....	.....	9 923 00

The Director of the Physical Plant and the Comptroller recommend the award of contracts to the lowest bidders in each division, namely, to Robert Gordon, Inc., of Chicago in the amount of \$19,862 for the heating work; to W. T. Mahoney and Sons of Chicago in the amount of \$12,448 for the plumbing work; and to the Anderson Electric Company of Danville for the electrical work in the amount of \$8,127. Funds are available in the special appropriation for the addition to the Agronomy Greenhouse to provide for the above contracts.

I concur and request authority for the Comptroller and the Secretary of the Board to execute the contracts as proposed.

On motion of Mr. McKelvey, this authority was granted as recommended.

ADDITION TO THE CONTRACT FOR HEATING IN THE MECHANICAL ENGINEERING BUILDING

(23) On March 27, 1947 (Minutes, page 317), the Board of Trustees approved a contract with Robert Gordon, Inc., for heating and process piping, in connection with the construction of the new Mechanical Engineering Building. The Director of the Physical Plant Department requests an addition to this contract in the amount of \$13,102 to provide for changes in the construction work in the shop area, made necessary by the change in use by the Department from a foundry to an internal combustion engine shop. The addition has been checked and approved by the architects, Fugard, Burt, and Wilkinson.

Funds are available in the State appropriation for "Construction of a new Mechanical Engineering Building."

The Comptroller recommends that the requested addition be made.

I concur and request that the Comptroller and the Secretary of the Board be given authority to execute an addition to the contract with Robert Gordon, Inc.

On motion of Mr. Fornof, this authority was granted as recommended.

AWARD OF CONTRACT FOR ALTERATIONS IN THE BUSINESS OFFICE AT CHICAGO PROFESSIONAL COLLEGES

(24) Bids have been received for alterations to the Business Office at the Chicago Professional Colleges as follows:

	<i>Lump-sum bid</i>	<i>Guaranteed maximum sum, including fixed fee</i>
Mutual Contracting Co.	\$14 458	No bid
R. V. Monahan Construction Co.	18 647	\$20 650
E. H. Marhoefer, Jr., Co.	19 160	No bid
George C. Olufsen and Sons.	13 400	13 400

The Director of the Physical Plant and the Comptroller recommend that the contract be awarded to the lowest bidder, George C. Olufsen and Sons, Chicago, Illinois, on the basis of their lump-sum bid of \$13,400. The guaranteed maximum plus fixed fee bid in the same amount is not recommended as such a contract would require considerable supervision and expense. Funds are available in the special appropriation made by the Board on August 5, 1947 (Minutes, page 491).

I concur and request authority for the Comptroller and the Secretary of the Board to execute the contract as proposed.

On motion of Mr. Williamson, this authority was granted as recommended.

AWARD OF CONTRACT FOR DRILL FIELD SIDEWALKS

(25) Bids were received on November 25 for the construction of concrete sidewalks on the south, west, and north sides of the Drill Field. Three bids were received as follows:

General Paving Company.	\$12 700 00
Kuhne-Simmons Company.	12 931 00
Wascher Concrete Company.	9 336 60

The Director of the Physical Plant and the Comptroller recommend the award of the contract to the lowest bidder, the Wascher Concrete Company, on the basis of their lump-sum bid. Funds are available in the special State appropriation for temporary student housing.

I concur and request authority for the Comptroller and the Secretary of the Board to execute the contract as proposed.

On motion of Mr. Nickell, this authority was granted as recommended.

AMENDMENT OF POLICY AND RULES RELATING TO COMPENSATION AND WORKING CONDITIONS OF NONACADEMIC EMPLOYEES

Mr. McLaughlin, for the Committee on Civil Service and Employees, reported as follows.

The second sentence of Section III, paragraph 4-A, of the Policy and Rules Relating to Compensation and Working Conditions of Nonacademic Employees now reads as follows:

"In all those classifications where the maximum rate in April 1945 was \$235 per month or less, there shall be automatic increases at least once each year until the mid-point of the range of the classification is reached."

At the time the policy was written it was desirable to put in this rather specific and limited statement in order to meet the condition which existed, but now it is desirable that the statement be made more general and that the figure used conform to the schedule of ranges recently approved by the Board.

The Director of Nonacademic Personnel has recommended that this provision be amended to read as follows:

"In all those classifications where the maximum rate is \$250 per month or less there shall be automatic increases at least once a year until the mid-point of the range of the classification is reached."

The Committee recommends approval.

On motion of Mr. McKelvey, this amendment was adopted as recommended.

SECRETARY'S REPORT OF CONTRACTS

The Secretary presented for record the following documents signed by the President and the Secretary of the Board, and deposited with the Secretary since the last report.

1. Consumers Company, contract dated August 5, 1947, for 9000 tons of coal, @ \$6.57 a ton, f.o.b. University of Illinois Power Plant, in Chicago.
2. Bell & Zoller Coal Company, contract dated July 1, 1947, for 8000 tons of coal, @ \$3.80 a ton, f.o.b. mine.

SECRETARY'S REPORTS

The Secretary presented also the following lists for record, as printed in the Appendix.

1. Appointments made by the President of the University (page 940).
2. Resignations, declinations, and cancellations (page 942).

The Board adjourned.

H. E. CUNNINGHAM
Secretary

PARK LIVINGSTON
President

APPENDIX

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parenthesis is the date on which the appointment was made by the President of the University. Part-time appointments are shown by fractions after the name of the department. C = College; S = Station; E = Extension.)

- ABELES, WILHELMINA, Instructor, Foreign Languages (Undergraduate Division in Chicago) ($\frac{1}{2}$), five months beginning September 1, 1947, \$155 a month (10-27-47).
- BAKER, SUSAN B., Research Fellow, Criminology and Legal Medicine (Medicine), eleven months beginning October 1, 1947, without salary (11-17-47).
- BECHTOL, R. C., First Year Resident, Orthopaedic Surgery (Research and Educational Hospitals), \$55 a month, Clinical Assistant, Orthopaedic Surgery (Medicine), without salary, October 15, 1947-June 30, 1948, also to be provided full maintenance valued at \$384 a year (11-18-47).
- BIELEK, M. J., Research Assistant, Medicine (Medicine), ten months beginning November 1, 1947, without salary (11-22-47).
- BRANSFORD, MRS. JEANNE F., Research Assistant, Provost's Office, one year beginning September 1, 1947, \$2400, supersedes nonacademic appointment (11-6-47).
- BROMLEY, MRS. PRISCILLA P., Instructor, Social Sciences (Undergraduate Division in Chicago) ($\frac{3}{4}$), five months beginning September 1, 1947, \$281 a month (11-8-47).
- CRAIN, SUSAN C., Head Resident, Women's Residence Halls ($\frac{2}{3}$), ten months, \$1800, Assistant, Education ($\frac{1}{2}$), ten months, \$800, beginning September 1, 1947, also to be provided housing valued at \$100 and three meals daily valued at \$168 (11-8-47).
- DE LA VEGA, J. M., Fellow, Pharmacy, ten months beginning October 1, 1947, \$500 (11-17-47).
- DUFFIELD, R. B., Assistant Professor, Chemistry (Liberal Arts and Sciences) ($\frac{1}{2}$), Assistant Professor, Physics (C) ($\frac{1}{2}$), two years beginning September 1, 1947, \$5200 a year, supersedes (11-3-47).
- EDMAN, MARJORIE, Research Assistant, Animal Nutrition, in Charge of Literature Survey (Animal Science) (S), ten months beginning November 1, 1947, \$3600 a year, supersedes (10-31-47).
- EDWARDS, MRS. MARY H., Assistant Nursery School Teacher, Division of Special Services for War Veterans, October 15, 1947-June 30, 1948, \$240 a month (10-31-47).
- ELIEL, E. L., Fellow, Chemistry, four months beginning February 1, 1948, \$450 (11-18-47).
- FREDERICK, MRS. LOIS K., Assistant, Speech, eight months beginning November 1, 1947, \$280 a month (10-31-47).
- FULLER, PATRICIA J., Instructor, Humanities (Undergraduate Division in Chicago), five months beginning September 1, 1947, \$300 a month (11-3-47).
- GAERTNER, V. R., Fellow, Chemistry, four months beginning February 1, 1948, \$450 (10-31-47).
- GANT, V. A., Research Associate, Toxicology (Medicine) ($\frac{1}{2}$), October 15, 1947-August 31, 1948, \$3300 a year (11-14-47).
- GERECZ, E. L., Special Teacher of War Veterans, University High School ($\frac{1}{4}$), four months beginning October 1, 1947, \$80 a month, in addition to his appointment in the Mathematics Department (11-20-47).
- GIBSON, M. R., Fellow, Pharmacy, one year beginning September 1, 1947, \$900 (11-17-47).
- GOTTARDO, PAUL, JR., Assistant Professor, Hygiene, Medical Adviser for Men (Undergraduate Division in Chicago) ($\frac{1}{2}$), ten months beginning November 1, 1947, \$3500 a year (10-31-47).
- GRAY, H. G., Special Teacher of War Veterans, University High School ($\frac{1}{4}$), four months beginning October 1, 1947, \$80 a month (11-18-47).
- GRIMELLI, L. J., Research Assistant, Medicine (Medicine), eleven months beginning October 1, 1947, without salary (11-22-47).
- HARPENIST, MORTON, Fellow, Chemistry, four months beginning February 1, 1948, \$450 (11-18-47).

- HARRIS, R. E., Associate Professor, Physics, Head of the Department (Undergraduate Division in Chicago), November 15, 1947-August 31, 1948, \$7500 a year (11-3-47).
- HARTMAN, MRS. HELEN P., Research Assistant, Psychology, six months beginning November 1, 1947, \$180 a month (10-29-47).
- HEFLIN, A. P., Instructor, Physics (Undergraduate Division in Chicago) ($\frac{1}{3}$), four months beginning October 1, 1947, \$130 a month (10-31-47).
- HIBBS, L. J., Research Fellow, Criminology and Legal Medicine (Medicine), eleven months beginning October 1, 1947, without salary (11-17-47).
- HOOD, MRS. ELLEN G., Instructor, Physical Sciences (Undergraduate Division in Chicago) ($\frac{1}{3}$), five months beginning September 1, 1947, \$100 a month (11-22-47).
- JACKENDOFF, NATHANIEL, Fellow, Economics, four months beginning February 1, 1948, \$450 (11-21-47).
- JACKSON, G. A., JR., First Assistant, Agricultural Economics (S), ten months beginning November 1, 1947, \$3000 a year (11-17-47).
- JASPER, WILLIAM, Research Assistant, Physiology (Medicine), October 20, 1947-June 30, 1948, \$2000 a year (11-17-47).
- JOHNSON, R. D., Fellow, Chemistry, four months beginning February 1, 1948, \$450 (11-18-47).
- JONES, J. P., JR., Assistant Professor, Journalism ($\frac{1}{2}$), Assistant to the Director, School of Journalism ($\frac{1}{2}$), eight months beginning January 1, 1948, \$425 a month, supersedes (11-6-47).
- KEEN, MARIA, Assistant, English, full time, four months beginning October 1, 1947, \$240 a month, ($\frac{2}{3}$), five months beginning February 1, 1948, \$160 a month, supersedes (11-3-47).
- KENDELL, H. W., Professor, Physical Medicine, Head of the Department (Medicine), Head of the Department, Physical Medicine (Research and Educational Hospitals) ($\frac{3}{4}$), one year beginning September 1, 1947, \$7500, supersedes (11-8-47).
- KLAUBER, W. A., JR., First Year Resident, Radiology (Research and Educational Hospitals), six months beginning January 1, 1948, \$55 a month, also to receive full maintenance valued at \$384 a year (11-8-47).
- KLEIN, J. R., Biochemist, and Assistant Professor, Psychiatry (84/100), Assistant Professor, Biological Chemistry (16/100) (Medicine), one year beginning September 1, 1947, \$7109, supersedes (11-8-47).
- LAST, J. H., Assistant Professor, Pharmacology (Medicine), October 15, 1947-August 31, 1948, \$5000 a year (11-17-47).
- LONGACRE, ANDREW, Associate Professor, Physics (C), February 1, 1948-August 31, 1949, annual rate of \$6500 payable in seven monthly installments of \$464.29 during the year 1947-1948 from February 1, 1948, and payable in twelve monthly installments of \$541.66 from September 1, 1948, supersedes (11-20-47).
- LYTLE, W. F., Instructor, Agricultural Engineering (C & S), February 15, 1948-August 31, 1948, \$3600 a year, supersedes (11-22-47).
- MATTESON, MRS. PATRICIA M., Clinical Counselor, Student Personnel Bureau, October 15, 1947-August 31, 1948, \$3400 a year (11-6-47).
- MEADOWS, RUTH E., Fellow, Psychology, ten months beginning September 1, 1947, \$1200 (11-8-47).
- MILLEN, H. M., Research Fellow, Clinical Science (Medicine), eleven months beginning October 1, 1947, \$60 a month (11-8-47).
- MUNN, G. E., Fellow, Chemistry, four months beginning February 1, 1948, \$450 (10-31-47).
- MUNSE, W. H., Special Research Assistant Professor, Civil Engineering (S), November 1, 1947, until further notice, \$4800 a year, supersedes (11-24-47).
- OBEILL, RUTH, Instructor, Occupational Therapy (Physical Medicine) (Research and Educational Hospitals), ten months beginning November 1, 1947, \$250 a month (10-31-47).
- OLSON, MRS. ANN J., Instructor, Foreign Languages (Undergraduate Division in Chicago), five months beginning September 1, 1947, \$300 a month (11-3-47).
- OOMS, O. J., Research Assistant, History, ten months beginning September 1, 1947, \$1200 (11-8-47).

- PERRING, JOANNE, Assistant, English, full time, four months beginning October 1, 1947, \$240 a month, ($\frac{2}{3}$), five months beginning February 1, 1948, \$160 a month, supersedes (11-3-47).
- PICKARD, W. L., Assistant Professor, Mathematics (Undergraduate Division in Galesburg), ten months beginning November 1, 1947, \$400 a month (11-8-47).
- POWELL, C. B., Clinical Assistant, Neurology and Neurological Surgery (Medicine), eleven months beginning October 1, 1947, without salary (11-17-47).
- PRESLEY, SOPHIE J., Research Assistant, Medicine (Medicine), eleven months beginning October 1, 1947, without salary (11-17-47).
- RASBECH, N. O., Visiting Lecturer and Counselor, Clinical Veterinary Medicine (Veterinary Medicine), December 8, 1947 - March 31, 1948, \$3600 a year (11-8-47).
- REED, M. B., Professor, Electrical Engineering (C), six months beginning February 1, 1948, twelve months beginning September 1, 1948, \$6000 a year (11-8-47).
- RICHARDSON, MILENA G., Fellow, Pharmacy, ten months beginning October 1, 1947, \$1200 (11-17-47).
- RIGO, H. S., Assistant, Civil Engineering (Undergraduate Division in Galesburg), October 20, 1947-June 30, 1948, \$300 a month (10-31-47).
- SACADAT, MRS. EVELYN H., Scholar, Social Welfare Administration, four months beginning February 1, 1948, \$250 (10-31-47).
- SCHIFFRIN, M. J., Lecturer, Pharmacology (Medicine), ten months beginning November 1, 1947, without salary (11-17-47).
- SOLOMON, H. J., First Year Resident, Pathology (Research and Educational Hospitals), six months beginning January 1, 1948, \$55 a month, also to receive full maintenance valued at \$384 a year (11-8-47).
- STONE, G. P., Instructor, Social Sciences (Undergraduate Division in Chicago) ($\frac{3}{5}$), five months beginning September 1, 1947, \$180 a month (11-3-47).
- STRONG, E. P., Professor, Business Organization and Operation, indefinite tenure beginning January 1, 1948, Director, Business Advisory and Extension Services, January 1, 1948-August 31, 1949, \$9000 a year (11-15-47).
- SYKORA, L. J., Clinical Assistant, Obstetrics and Gynecology (Medicine), October 15, 1947-August 31, 1948, without salary (11-3-47).
- TJEPKEMA, J. J., Fellow, Chemistry, February 1-March 15, 1948, \$150 (11-18-47).
- VON DER GATHEN, H. G., Instructor, Mechanical Engineering (C), five months beginning February 1, 1948, \$1500, supersedes (10-29-47).
- WATSON, H. J., Fellow, Chemistry, four months beginning February 1, 1948, \$375 (11-18-47).
- WAX, NELSON, Assistant Professor, Electrical Engineering (C), six months beginning February 1, 1948, twelve months beginning September 1, 1948, \$4600 a year (11-8-47).
- WELLS, CHARIS J., Fellow, Psychology, ten months beginning September 1, 1947, \$1200 (11-8-47).
- WESTON, JANET, Assistant Professor, Economics ($\frac{1}{2}$), Counselor, Student Personnel Bureau ($\frac{1}{2}$), one year beginning September 1, 1947, \$4800, supersedes (11-8-47).
- WHAM, MRS. DOROTHY S., Personnel Technician, Student Personnel Bureau, October 15, 1947-August 31, 1948, \$2800 a year, supersedes (11-8-47).
- WILLS, W. J., Assistant Professor, Agricultural Economics (S), eleven months beginning October 1, 1947, \$4000 a year, supersedes (11-20-47).
- ZANOTTI, G. J., Assistant, General Engineering Drawing (C), November 1, 1947-February 10, 1948, \$240 a month (11-20-47).
- ZANOTTI, G. J., Instructor, General Engineering Drawing (Undergraduate Division in Chicago), five months beginning February 1, 1948, \$300 a month (11-3-47).
- ZIMMERMAN, W. A., Fellow, Psychology, ten months beginning September 1, 1947, \$1200 (11-5-47).

RESIGNATIONS, DECLINATIONS, AND CANCELLATIONS

- BAREITHER, M. J., Assistant, Floriculture (Horticulture) (C) — terminated 7-31-47.
- CLARKE, C. B., Special Research Graduate Assistant, Theoretical and Applied Mechanics (S) — resignation effective 6-10-47.

- FISCHER, W. R., Clinical Associate, Orthopaedic Surgery (Medicine) — resignation effective 10-1-47.
- HIRSCH, HERBERT, Scholar, Bacteriology — resignation effective 10-1-47.
- HIRSHFIELD, H. J., Medical Advisor for Men, Assistant Professor, Hygiene — declination effective 10-1-47.
- HORAK, O. A., Second Year Resident, Pediatrics (Research and Educational Hospitals) — resignation effective 10-1-47.
- HORICK, E. J., Clinical Associate, Ophthalmology (Medicine) — resignation effective 11-1-47.
- KARRAKER, W. J., Instructor, Physics (Undergraduate Division in Chicago) — cancellation effective 9-1-47.
- KIRKPATRICK, MRS. ALICE, Instructor, Business Law — declination effective 9-1-47.
- LEWIS, MRS. HELEN, Assistant, Chemistry — cancellation effective 9-1-47.
- McCAUGHEY, W. F., Assistant Professor, Architecture (Undergraduate Division in Chicago) — resignation effective 11-15-47.
- MCDONALD, AGNES M., Teacher for War Veterans, University High School — cancellation effective 9-1-47.
- MORRISON, R. W., Second Year Resident, Pathology (Research and Educational Hospitals) — resignation effective 12-31-47.
- MORRISON, R. W., Clinical Assistant, Pathology (Medicine) — declination effective 7-1-47.
- NEVILLE, HARRIETT, Research Assistant, Chemistry — resignation effective 9-1-47.
- PULLIAM, F. M., Instructor, Mathematics — cancellation effective 9-1-47.
- ROSTENBERG, ADOLPH, JR., Clinical Associate Professor, Dermatology (Medicine) — declination effective 9-1-47.
- SMITH, MRS. ELEANOR R., Assistant, Home Economics (S) — resignation effective 11-27-47.
- SMITH, SALLY A., Scholar, Spanish — declination effective 2-1-48.
- SNYDER, BETTY A., Assistant, Microanalysis (Chemistry) — cancellation effective 9-1-47.
- SVEC, MURIEL H., Instructor, Bacteriology and Public Health (Medicine) — declination effective 9-1-47.
- THOMAS, MARIE, Assistant, English — cancellation effective 9-1-47.
- TRUSTER, SYLVIA, Fellow, Sociology — resignation effective 10-1-47.
- WALKER, R. J., Research Assistant, Physiology (Medicine) — resignation effective 10-1-47.
- WEIDENHEIM, C. W., Clinical Assistant, Radiology (Medicine) — resignation effective 12-31-47.
- WEIDENHEIM, C. W., Third Year Resident, Radiology (Research and Educational Hospitals) — resignation effective 12-31-47.
- WILSON, MRS. AUDREY L., Roentgenologist (Illinois Eye and Ear Infirmary) — cancellation effective 9-1-47.
- WILSON, HUGH, Instructor, Pathology (Medicine), Assistant Pathologist (Research and Educational Hospitals) — cancellation effective 9-1-47.
- YUNCK, R. E., Clinical Assistant, Medicine (Rush) (Medicine) — declination effective 9-1-47.

PURCHASES

A. Purchases Recommended

The Director of Purchases has proposed and the Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest bid, or because the item is noncompetitive, or to obtain earliest delivery.

Item	Department	Vendor	Cost
5000 vials penicillin, crystalline, sodium, 500,000 units per vial; 2400 tablets penicillin, 100,000 units each	Hospital Pharmacy	Debs Hospital Supply Co., Chicago (5000 vials penicillin) Commerical Solvents, Chicago (2400 tablets penicillin)	\$5 900 00 675 00
10 circuit breaker lighting panelboard interiors and trims	Physical Plant	Wurdack Electrical Manufacturing Co., St. Louis, Mo.	1 740 20
Three wide-range beat-frequency oscillators	Electrical Engineering	General Radio Corp., Chicago	2 100 00

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Four 13 MLH, two 3 LRG Spencer research microscopes	Botany	Chicago Apparatus Co., Chicago	3 153 60
One two-circle reflecting goniometer plus rocker sliding head	Geology	L. C. Eichner Instruments Co., Bloomfield, N.J.	1 600 00 f.o.b. Bloomfield
2950 sq. ft. hot rolled sheet copper	Physics	Revere Copper & Brass, Inc., Chicago	1 962 84
Lithographing of 10,000 copies Christian County soil maps	Agronomy	A. Hoen & Co., Baltimore, Md.	4 400 00
36 dozen each of 18"x27" and 39"x76" quilted mattress pads	Chicago General Stores	Rockriver Cotton Co., Janesville, Wis.	1 368 00
Six Spencer stereoscopic microscopes Nos. 25F, 57X (2), 67X (2), and 23LF	Botany	Chicago Apparatus Co., Chicago	1 624 00
Seven electrical instruments	Electrical Engineering	General Electric Co., Cleveland, O.	1 487 50
One Cub Super Cruiser airplane	Institute of Aeronautics	Illini Airport Co., Urbana	2 850 75
Eight type PK, 4-pole, 7500-volt, 400-amp. oil switches, subway type	Physical Plant	G & W Electric Specialty Co., Chicago	2 678 40 f.o.b. Chicago
8 each of Nos. 68000 and 68030 long paper kymographs; 5 each of Nos. 68590 and 68570 manometers (metallic bellows) (mercury); 10 No. 68860 tambours, metallic diaphragm	Zoology and Physiology	A. S. Aloe & Co., St. Louis, Mo.	1 286 00
50 dozen 72"x108" type 140 bleached muslin sheets	Chicago General Stores	A. V. Wait & Son, New York City	1 397 50
Ten 208B (1146A) DuMont Cathode-ray oscillograph	Physics	Allen B. DuMont Laboratories, Inc., Clifton, N.J.	2 295 00
22,000 copies Second Semester Time Tables, 1947-1948, to be printed by offset from typed copy	University Press	Gunthorp-Warren Printing Co., Chicago	3 550 00 f.o.b. Chicago
One rebuilt Chandeysson motor generator set, 5000-amp. 12-volt, or 2500-amp. 24-volt capacity, coupled to a 100-h.p. synchronous motor, complete with starter, panel board, and exciter	Physics	H & S Equipment & Sales Co., Brooklyn, N.Y.	8 604 00
One No. 2H Universal milling machine and accessories	Electrical Engineering	Kearney & Trecker Corp., Milwaukee, Wis.	7 762 50
Replacement of stone steps at northeast entrance of David Kinley Hall	Physical Plant	Illinois Cut Stone Co., Champaign	1 550 00
Three DeBothezat axial flow ventilating sets for installation in E.E. Lab.	Physical Plant	American Machine & Metals, Inc., East Moline	1 067 19
Erection of two prefabricated buildings supplied by the Bureau of Aeronautics, Navy Department	Psychology	Forrest Rawdin, Champaign	3 616 00

B. Purchases Authorized by the President of the University

The following purchases have been authorized by the President of the University on the recommendations of the Director of Purchases and the Comptroller. Unless otherwise specified the purchases were made on the basis of lowest bids, or because the items are non-competitive, or to obtain earliest delivery.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
5000 reams 8½"x11, 16-lb. white No. 4 sulphite mimeo paper, 750 reams 8½"x14, 16-lb. white sulphite mimeo paper	Chicago General Stores	A. C. McClurg & Co., Chicago	\$4 390 00
Four steers for classroom purposes	Animal Science	Professor F. C. Francis will select and purchase suitable animals at a sale in Chicago on November 28	1 250 00 (estimated)
One Ford station wagon to replace 1939 Plymouth 7-passenger sedan	Animal Science	Dana Hudelson, Inc., Champaign	1 580 81

**COMPTROLLER'S REPORT OF CONTRACTS EXECUTED
OCTOBER 11 TO NOVEMBER 10, 1947**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be paid to the University</i>	<i>Date</i>
War Department, Office of Surgeon General	Study of the effect of nutrition on convalescence	\$11 272 80	April 1, 1947
War Department, Army Air Forces	For services of technician, Dr. J. K. Bartlett	4 835 74	May 19, 1947
Headquarters, Fifth Army	Instruction in chemical engineering for one military student for four semesters and two summer sessions	514 50	October 15, 1947
The Copper and Brass Research Association	Study of the effect of sewage in cor- roding copper tubing	6 400 00	October 15, 1947
The Copper and Brass Research Association	Study of mechanical properties of copper and brass	75 000 00	October 17, 1947
<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be paid by the University</i>	<i>Date</i>
Illinois Power Company	Electric service to the University Men's Club	Rates specified in contract	October 1, 1947