

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

April 17, 1958



The April meeting of the Board of Trustees of the University of Illinois was held in the LaSalle Hotel, Chicago, Illinois, on Thursday, April 17, 1958, beginning at 11:00 a.m. The Board had previously voted to meet in Urbana, and the change in place was ordered by the President of the Board to enable the Trustees and other University officials to attend the funeral of the late Herbert B. Megran, a former member (1951-57) and a former President (1954-57) of the Board of Trustees.

The following members of the Board were present: Mr. Wirt Herrick, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Park Livingston, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, and Mr. Kenney E. Williamson. Mr. Cushman B. Bissell, Mrs. Doris S. Holt, Mr. Vernon L. Nickell, and Governor William G. Stratton were absent.

Also present were President David D. Henry, Vice-President and Provost Gordon N. Ray, Dr. H. E. Longenecker, Vice-President in charge of the Chicago Professional Colleges, Executive Dean C. C. Caveny of the Chicago Undergraduate Division, Mr. C. S. Havens, Director of the Physical Plant Department, Mr. C. E. Flynn, Director of Public Information; and the officers of the Board, Mr. H. O. Farber, Comptroller, Mr. C. W. Weldon, Treasurer, and Mr. A. J. Janata, Secretary.

MINUTES APPROVED

The Secretary presented the minutes of the meetings of the Board of Trustees on December 17, 1957, and January 16, 1958, press proof copies of which have previously been sent to the Board.

On motion of Mr. Swain, these minutes were approved as printed on pages 1005 to 1101, inclusive.

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.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law.

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
GEORGE EMMETT BAKER	Rockville, Maryland	Ohio
HARVEY M. BROWN	Olivette, Missouri	Missouri
WENDELL HENNING CLAUSON	Lake Bluff, Illinois	California
JERROLD MYRON FACKTOR	Chicago, Illinois	District of Columbia
EDWARD JOSEPH HARNEY	Trenton, New Jersey	Maryland
ROY PHILIP HOTHAN	Brookline, Massachusetts	Massachusetts
LOUIS SIDNEY OEHRING	Park Ridge, Illinois	Michigan
JOHN NELSON OVERMAN	Rockford, Illinois	Indiana
MAHLON RUBIN	University City, Missouri	Missouri
EDMUND NORTON SHLENS	Champaign, Illinois	Indiana
ROBERT FREDRICK STENCEL	Chicago, Illinois	District of Columbia
HAROLD COSBY WESSEL	Englewood, Colorado	Colorado
JAMES THOMAS WILKES, JR.	Harvey, Illinois	North Carolina

I concur.

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

APPOINTMENTS TO THE FACULTY

(2) 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. SANTIMAY CHATTERJEE, Research Assistant Professor of Physics, beginning September 1, 1958, at an annual salary of \$7,200 (DY).
2. ESTHER L. CHEATLE, Assistant Professor of Pathology, College of Medicine, and Assistant Director of Hospital Laboratories, Research and Educational Hospitals, beginning May 1, 1958, at an annual salary of \$11,000 (DY45; DY55).
3. WALTER L. CREESE, Professor of Architecture, beginning September 1, 1958, at an annual salary of \$8,500 (A).
4. TARA PRASAD DAS, Research Assistant Professor of Physics, for one year from August 16, 1958, at a salary of \$7,200 (FY).
5. GEORGES A. DESCHAMPS, Professor of Electrical Engineering, beginning September 1, 1958, at an annual salary of \$12,000 (B).
6. WILLIAM L. DOWNES, JR., Assistant Professor of Entomology, beginning September 1, 1958, at an annual salary of \$5,600 (B).
7. BENJAMIN B. EWING, Associate Professor of Sanitary Engineering, in the Department of Civil Engineering, beginning September 1, 1958, at an annual salary of \$7,700 (A).
8. ALBERTA FULLER, Assistant Professor in the School of Nursing, beginning February 1, 1958, at an annual salary of \$6,000 (D).

9. DONALD R. HODGMAN, Associate Professor of Economics, beginning August 1, 1958, at an annual salary of \$9,000 (D).
10. CLIFFORD E. HOWE, Assistant Professor of Education, on 43/100 time, and Assistant Professor in the Institute for Research on Exceptional Children, on 57/100 time, beginning September 1, 1958, at an annual salary of \$6,550 (B).
11. CARL WILLIAM KOHLS, Assistant Professor of Mathematics, beginning September 1, 1958, at an annual salary of \$6,000 (B).
12. FRED MADENBERG, Assistant Professor of Hygiene and Medical Adviser in the Health Service, Chicago Undergraduate Division, on one-fifth time from February 1 through March 31, 1958, and on one-half time from April 1 through August 31, 1958, at a salary of \$2,325 (G20; G50).
13. MRS. WILLIE MAE MOWREER, Assistant Professor of Home Economics, on three-fourths time, for the second semester of 1957-58, at a salary of \$2,100 (E75).
14. LEE A. RUBEL, Assistant Professor of Mathematics, beginning September 1, 1958, at an annual salary of \$6,500 (B).
15. HARRY C. TRIANDIS, Assistant Professor of Psychology, beginning September 1, 1958, at an annual salary of \$6,600 (B).
16. WILLIAM V. WHITEHORN, Professor of Physiology, College of Medicine, on indefinite tenure, and Acting Head of the Department of Physiology, beginning April 1, 1958, and continuing until August 31, 1959, or until such earlier date as a permanent Head of the Department is appointed, at a salary at the rate of \$15,000 a year (AY; DY).
17. MARVIN E. WYMAN, Professor of Physics and Nuclear Engineering, beginning September 1, 1958, at an annual salary of \$12,000 (A).

Change in Status

1. WILLIAM F. HUGHES, Professor and Head of the Department of Ophthalmology, and Ophthalmologist-in-Chief of the Illinois Eye and Ear Infirmary, has asked to be relieved of his administrative duties, effective September 1, 1958, but to be continued on the faculty as Clinical Professor, without salary.

Appointments to Nonacademic Staff

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

1. GEORGE H. ADAMS, Personnel Officer in the Office of Nonacademic Personnel, beginning January 1, 1958, at an annual salary of \$6,000.
2. WAYNE E. CONERY, Assistant Manager of Public Information in the Office of Public Information, Chicago Colleges, beginning January 20, 1958, at an annual salary of \$4,800.
3. ELLA S. GOLDSCHMIDT, Assistant Food Production Manager in the Research and Educational Hospitals Dietary Department, beginning February 3, 1958, at an annual salary of \$4,500.

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

APPOINTMENT OF DIRECTOR OF HEALTH SERVICES

(3) I recommend the appointment of Dr. Orville S. Walters, presently Staff Psychiatrist at the Veterans Administration Hospital in Danville, Illinois, as Professor of Hygiene on indefinite tenure beginning August 1, 1958, and Director of University Health Services beginning August 1, 1958, and continuing to September 1, 1959, at a total salary of \$17,000 a year on "Y" basis.

The appointment as Director of the Health Services has been recommended by a special search committee, and the recommendation is concurred in by the Vice-President and Provost.

On motion of Mr. Herrick, this appointment was approved.

HEADSHIP OF DEPARTMENT OF MATHEMATICS

(4) Professor Stewart S. Cairns, Head of the Department of Mathematics, has asked to be relieved of the headship of the Department at the end of the academic year so that he may devote more time to teaching and research. He has been Professor and Head of the Department of Mathematics since coming to the University of Illinois in 1948.

I recommend approval of his request and that his status be changed to Professor of Mathematics on indefinite tenure beginning September 1, 1958.

The Dean of the College of Liberal Arts and Sciences recommends appointment of Dr. Mahlon M. Day as Professor of Mathematics on indefinite tenure and Head of the Department beginning September 1, 1958. The salary of this position will be determined when the budget for 1958-59 is submitted to the Board for approval. This recommendation has been made after consultation with all members of the Department of professorial rank and is concurred in by the Executive Committee of the College of Liberal Arts and Sciences, the Dean of the Graduate College, and the Vice-President and Provost.

I recommend approval of this appointment.

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

APPOINTMENTS TO THE 1958 SUMMER SESSION STAFF

(5) I submit recommendations for appointments to the faculty for the 1958 Summer Session. Appointments in the Summer Session budget provide for an eight-week term at Urbana-Champaign, June 16 through August 9, and at the Chicago Undergraduate Division, June 20 through August 16; and two six-week terms, June 30 through August 9, and August 11 through September 20, in the College of Pharmacy.

The salaries of members of the University faculty recommended for appointment to the Summer Session staff are computed on the basis of the authorized formula of two-ninths of the salary of the academic year for the eight-week Summer Session and proportionate amounts for other periods or for part-time service.

The budget totals \$691,997 plus a reserve of \$984 for Urbana-Champaign; \$13,019 for the Chicago Professional Colleges; and \$96,546 plus a reserve of \$3,454 for the Chicago Undergraduate Division.

I recommend that the appointments to the Summer Session staff be approved as submitted, and that the President of the University be authorized to accept resignations and make such changes in adjustments and additional appointments as are necessary in accordance with the needs of the University within the estimated income.

On motion of Mrs. Watkins, these appointments and the Summer Session budget were approved, and the President was given authority as recommended. This action was taken by the following vote: Aye, Mr. Herrick, Mr. Hughes, Mr. Johnston, Mr. Livingston, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Bissell, Mrs. Holt, Mr. Nickell, Mr. Stratton.

URBANA-CHAMPAIGN

	Part-time	Summer Salary
1. R. K. Mautz, Professor.....		\$ 2 578
2. N. D. Wakefield, Professor.....		2 045
3. C. H. Griffin, Associate Professor.....		1 667
4. K. W. Perry, Associate Professor.....		1 778
5. A. R. Wyatt, Associate Professor.....		1 756
6. V. K. Zimmerman, Assistant Professor.....		1 556
7. C. G. Avery, Instructor.....	½	489
8. H. E. Arnett, Instructor.....	½	489
9. Nancy A. M. Desmond, Assistant.....		867
		(\$13 225)

Aeronautical Engineering

1. J. M. Coan, Jr., Professor.....	\$ 2 023
2. E. A. Stannard, Instructor.....	1 378
	(\$ 3 401)

		<i>Part- time</i>	<i>Summer Salary</i>
Agricultural Economics			
1. G. P. Wibberley, Visiting Lecturer.....	(Head, Department of Agricultural Economics, Wye College (University of London), Wye, Ashford, Kent, England)		\$ 1 800
2. Mario Bandini, Visiting Lecturer.....	(Professore Ordinario di Università, University of Perugia, 11 Via Nibby, Rome, Italy)		2 000
			(\$ 3 800)
Agricultural Engineering			
1. R. I. Shawl, Professor (June 16 to July 12).....			\$ 1 000
Architecture			
1. J. G. Replinger, Associate Professor.....			\$ 1 734
2. C. B. Looker, Jr., Associate Professor.....			1 734
3. D. A. Sauer, Assistant Professor.....			1 445
			(\$ 4 913)
Art			
1. C. A. Dietemann, Professor.....			\$ 1 867
2. C. V. Donovan, Professor.....			2 445
3. F. J. Roos, Jr., Professor.....			2 045
4. H. A. Schultz, Professor.....		¾	1 378
(See Education)			(689)
(Total Salary)			(2 067)
5. C. W. Briggs, Associate Professor.....		¾	1 038
6. R. E. Hult, Associate Professor.....			1 556
7. G. N. Foster, Assistant Professor.....			1 378
8. D. E. Frith, Assistant Professor.....		¾	830
9. J. G. Lynch, Assistant Professor.....			1 245
10. Charles Sanders, Assistant Professor.....		¾	1 038
11. M. A. Sprague, Assistant Professor.....		¾	1 008
12. R. A. von Neumann, Assistant Professor.....		¾	945
13. E. J. Zagorski, Assistant Professor.....			1 556
14. W. R. Youngman, Instructor.....		¾	682
			(\$19 011)
Astronomy			
1. S. P. Wyatt, Assistant Professor.....			\$ 1 612
Bacteriology			
1. F. M. Clark, Professor.....			\$ 2 000
2. G. I. Wallace, Professor.....			2 056
3. ———, Assistant		½	400
4. ———, Assistant		½	400
5. ———, Assistant		½	400
			(\$ 5 256)
University of Illinois Bands			
1. G. M. Duker, Assistant to the Director, University of Illinois Bands.....		⅓	\$ 523
Botany			
1. G. N. Jones, Professor.....			\$ 2 223
2. W. N. Stewart, Professor.....			2 045
3. ———, Assistant		½	400
			(\$ 4 668)
Business Education			
1. A. C. Condon, Professor and Head of Department.....		½	\$ 1 145
(See Education)			(1 144)
(Total Salary)			(2 289)

	<i>Part-time</i>	<i>Summer Salary</i>
2. Elizabeth R. Melson, Associate Professor.....		I 556
3. R. E. Mason, Assistant Professor.....	½	778
		(\$ 3 479)

Business Law

1. P. C. Roberts, Professor.....	½	\$ I 089
2. B. F. Kirkpatrick, Associate Professor.....		I 600
3. R. N. Corley, Assistant Professor.....		I 378
		(\$ 4 067)

Chemistry and Chemical Engineering

1. L. F. Audrieth, Professor.....		\$ 2 623
2. H. G. Drickamer, Professor.....		3 012
3. H. A. Laitinen, Professor.....		2 778
4. C. S. Vestling, Professor.....		2 378
5. J. W. Westwater, Associate Professor.....		I 823
6. L. A. Hiller, Jr., Assistant Professor.....		I 378
7. R. S. Juvet, Assistant Professor.....		I 334
8. Martin Karplus, Assistant Professor.....		I 445
9. Aron Kuppermann, Assistant Professor.....		I 334
10. J. A. Quinn, Assistant Professor.....		I 334
11. K. L. Rinehart, Assistant Professor.....		I 378
12. J. M. Clark, Instructor.....		I 223
13. J. C. Martin, Instructor.....		I 289
14. _____, Assistant.....	½	423
15. _____, Assistant.....	½	423
16. _____, Assistant.....	½	400
17. _____, Assistant.....	½	400
18. _____, Assistant.....	½	423
19. _____, Assistant.....	½	400
20. _____, Assistant.....	½	400
21. _____, Assistant.....	½	445
22. _____, Assistant.....	½	445
23. _____, Assistant.....	½	423
24. _____, Assistant.....	½	423
25. _____, Assistant.....	½	423
26. _____, Assistant.....	½	445
27. R. O. C. Norman, Visiting Lecturer.....		I 500
(Merton College, Oxford, England)		
28. _____, Visiting Lecturer.....		I 500
29. _____, Visiting Lecturer.....	½	900
		(\$32 702)

Civil Engineering

1. N. M. Newmark, Professor and Head of Department.....	¼	\$ 973
2. T. C. Shedd, Professor of Structural Engineering.....		3 223
3. D. U. Deere, Professor.....		I 889
4. G. H. Dell, Professor.....		2 000
5. E. H. Gaylord, Professor.....		2 534
6. W. A. Oliver, Professor.....	½	I 134
7. W. H. Munse, Professor.....	½	I 167
8. R. S. Engelbrecht, Associate Professor of Sanitary Engineering.....		I 623
9. W. J. Hall, Associate Professor.....	½	845
10. H. O. Ireland, Associate Professor.....	½	834
11. _____, Assistant.....	¼	200
		(\$16 422)

Civil Engineering Summer Surveying Camp

1. M. O. Schmidt, Professor and Camp Director (June 8 to September 6).....		\$ 3 134
2. L. D. Walker, Professor of General Engineering (June 16 to July 19).....		I 209

	<i>Part- time</i>	<i>Summer Salary</i>
3. E. H. Coe, Associate Professor (June 16 to July 19).....		1 014
4. G. R. Eadie, Assistant Professor (June 16 to July 19).....		973
(See Mining and Metallurgical Engineering).....		(583)
(Total Salary)		(1 556)
5. H. M. Karara, Assistant Professor (June 16 to August 23)..		1 556
6. W. H. Eldridge, Instructor (June 8 to August 30).....		2 067
7. Gordon Gracie, Instructor (June 16 to August 23).....		1 556
		(\$11 509)

Classics

1. Helen R. Duda, Assistant Professor.....	¾	\$ 867
2. K. M. Abbott, Visiting Lecturer.....		2 000
(Department of Classics, Ohio State University, Columbus 10, Ohio)		
		(\$ 2 867)

Division of General Studies

1. J. F. Glawe, Instructor.....		\$ 1 200
2. C. A. Poxon, Instructor.....		978
3. W. E. Wilhelm, Assistant.....	½	400
		(\$ 2 578)

Economics

1. H. J. Brems, Professor.....		\$ 2 423
2. J. F. Due, Professor.....		2 445
3. E. B. McNatt, Professor.....		2 556
4. W. A. Neiswanger, Professor (July 14 to August 9).....		1 334
5. Royall Brandis, Associate Professor.....		1 778
6. D. W. Paden, Associate Professor.....		2 134
7. Frederick Williams, Assistant Professor (June 16 to July 12)		689
8. T. A. Yancey, Assistant Professor.....		1 778
9. J. S. Y. Chiu, Assistant.....	½	400
10. K. B. Marx II, Assistant.....	½	400
11. O. A. Poli, Assistant.....	½	400
12. R. J. Trusk, Assistant.....	½	406
13. R. F. Shannon, Assistant.....	½	400
		(\$17 143)

Education

1. A. W. Anderson, Professor.....		\$ 2 112
2. T. E. Benner, Professor.....		2 578
3. G. M. Blair, Professor.....		2 089
4. H. S. Broudy, Professor.....		2 112
5. R. W. Burnett, Professor.....		2 223
6. A. C. Condon, Professor.....	½	1 144
(See Business Education).....		(1 145)
(Total Salary)		(2 289)
7. J. J. DeBoer, Professor.....		2 045
8. C. R. Griffith, Professor.....		3 000
9. H. C. Hand, Professor.....		2 745
10. K. B. Henderson, Professor.....		2 178
11. M. R. Karnes, Professor.....		2 178
12. W. V. Kaulfers, Professor.....		1 956
13. C. G. Knapp, Professor.....		1 867
14. P. E. Miller, Professor.....		2 556
15. O. H. Mowrer, Professor.....	½	1 444
(See Psychology)		(1 445)
(Total Salary)		(2 889)
16. T. E. Newland, Professor.....		1 889
17. C. W. Odell, Professor.....		1 867
18. H. A. Schultz, Professor.....	½	689
(See Art)		(1 378)
(Total Salary)		(2 067)

	<i>Part- time</i>	<i>Summer Salary</i>
19. J. H. Shores, Professor.....		2 223
20. R. H. Simpson, Professor.....		2 200
21. B. O. Smith, Professor.....		2 689
22. D. W. Snader, Professor.....		1 867
23. W. O. Stanley, Professor.....		2 067
24. Celia B. Stendler, Professor.....		2 089
25. Letitia E. Walsh, Professor.....		2 045
26. J. M. Atkin, Associate Professor.....		1 578
27. N. E. Gronlund, Associate Professor.....		1 600
28. Ann E. Jewett, Associate Professor.....	½	789
29. C. E. Johnson, Associate Professor.....		1 578
30. D. G. Lux, Associate Professor.....		1 556
31. J. E. McGill, Associate Professor.....		1 678
32. Foster McMurray, Associate Professor.....		1 667
33. L. E. Metcalf, Associate Professor.....		1 556
34. W. J. Moore, Associate Professor.....		1 689
35. D. R. Peterson, Associate Professor.....	½	811
(See Psychology)		(812)
(Total Salary)		(1 623)
36. W. M. Lifton, Associate Professor.....		1 556
37. Elizabeth J. Simpson, Associate Professor.....		1 556
38. ———, Associate Professor (July 14 to August 9)....		875
39. R. A. Tinkham, Associate Professor.....		1 556
40. Basil Castaldi, Assistant Professor.....	½	856
41. F. L. Crank, Assistant Professor (July 14 to August 9)....		700
42. Herbert Goldstein, Assistant Professor.....		1 534
43. ———, Assistant Professor.....	½	900
44. K. M. Lansing, Assistant Professor.....		1 412
45. C. B. Porter, Assistant Professor (June 16 to July 12).....		689
46. F. J. Rybak, Assistant Professor.....	½	712
47. W. L. Shoemaker, Assistant Professor.....		1 356
48. J. R. Suchman, Assistant Professor.....		1 400
49. A. P. Whitney, Assistant Professor.....		1 412
50. ———, Instructor	⅓	334
51. Terry Denny, Assistant.....	½	400
52. Dorothy Keenan, Assistant (July 14 to August 9).....	½	250
53. F. C. Noble, Jr., Assistant.....	½	500
54. G. E. Ross, Assistant.....	½	500
55. Sam Weintraub, Assistant.....	½	500
56. W. H. Worth, Assistant.....	½	500
57. ———, Assistant	½	500
58. ———, Assistant	½	400
59. ———, Assistant	½	500
60. M. C. Baker, Visiting Lecturer.....		1 500
(College of Education, University of Florida, Gainesville, Florida)		
61. George Barnett, Visiting Lecturer.....		1 500
(Michigan State College, East Lansing, Michigan)		
62. H. W. Bernard, Visiting Lecturer.....		1 700
(1633 South West Park, Portland, Oregon)		
63. Herbert Boyd, Visiting Lecturer.....	½	750
(705 South New, Champaign, Illinois)		
64. R. H. Goldner, Visiting Lecturer.....		1 700
(Psychology Department, Teachers College, State Univer- sity of New York, Fredonia, New York)		
65. C. A. Mahler, Visiting Lecturer.....		1 600
(Chico State College, Chico, California)		
66. Eleonora M. Preston, Visiting Lecturer.....		1 500
(1100 Electric Lane, Alhambra, California)		

	<i>Part- time</i>	<i>Summer Salary</i>
67. G. D. Stevens, Visiting Lecturer (June 16 to July 12)..... (Educational Director, United Cerebral Palsy, 369 Lexington Avenue, New York 17, New York)		I 000
68. ———, Visiting Lecturer.....		I 600
69. ———, Visiting Lecturer.....		I 600
70. A. N. Frandsen, Visiting Lecturer..... (Utah State University, Logan, Utah)		I 800
71. Mary Frances Moore, Visiting Lecturer..... (750 West 47th Street, Kansas City, Missouri)		I 300
72. William W. Brickman, Visiting Lecturer..... (982 East 56th Street, Brooklyn 34, New York)		I 700
73. ———, Visiting Lecturer.....		I 300
74. ———, Visiting Lecturer.....	½	500
75. Laura J. Jordan, Demonstration Teacher.....		I 000
76. W. J. Tisdall, Visiting Lecturer..... (709 North Orchard, Urbana, Illinois)		I 000
77. Helen M. Lohr, Visiting Lecturer (June 16 to July 12)..... (105 East High Street, Mount Pleasant, Michigan)		700

(\$III 002)

Electrical Engineering

1. G. E. Anner, Professor.....	½	\$ 973
2. L. B. Archer, Professor.....		I 889
3. M. A. Faucett, Professor.....		2 089
4. M. S. Helm, Professor.....		2 034
5. C. A. Keener, Professor.....		2 334
6. C. E. Skroder, Professor.....		I 889
7. J. E. Williams, Professor.....		2 012
8. W. G. Albright, Associate Professor.....		I 556
9. D. S. Babb, Associate Professor.....		I 823
10. A. S. Chodakowski, Associate Professor.....		I 734
11. P. R. Egbert, Associate Professor.....		I 678
12. Haroun Mahrous, Associate Professor.....		I 578
13. T. A. Murrell, Associate Professor.....	½	823
14. M. S. McVay, Associate Professor.....		I 889
15. G. R. Peirce, Associate Professor.....		I 834
16. P. A. Bauman, Assistant Professor.....		I 334
17. R. E. Bedford, Visiting Assistant Professor.....	¾	934
18. M. H. Crothers, Assistant Professor.....		I 634
19. P. K. Hudson, Assistant Professor.....		I 500
20. B. C. Kuo, Assistant Professor.....		I 512
21. M. L. Babcock, Associate.....	½	520
22. C. E. Enderby, Instructor.....	¾	734
23. Vembu GouriShanker, Instructor.....	¾	778
24. L. W. Ricketts, Instructor.....		I 275
25. B. A. Shenoi, Assistant.....	¾	667
26. J. R. Lehmann, Assistant.....	½	467
27. R. W. Liu, Assistant.....	½	423
28. M. V. Deshpande, Visiting Lecturer..... (1212 W. University Avenue, Urbana, Illinois)		I 334

(\$39 247)

English

1. G. B. Evans, Professor.....	½	\$ I 000
2. J. N. Hook, Professor (June 23 to July 19).....		I 000
3. B. A. Milligan, Professor.....	½	I 000
4. C. W. Roberts, Professor.....		2 267
5. C. H. Shattuck, Professor..... (See University Theatre)..... (Total Salary)	½	933 (934) (I 867)
6. R. M. Smith, Professor.....	½	I 056

	<i>Part- time</i>	<i>Summer Salary</i>
7. M. S. Goldman, Associate Professor.....		I 645
8. F. W. Weeks, Associate Professor of Business English.....	½	800
9. H. W. Wilson, Associate Professor.....		I 667
10. A. L. Altenbernd, Assistant Professor.....	½	623
11. W. J. Chamberlin, Assistant Professor of Business English..	½	734
12. Daniel Curley, Assistant Professor.....	½	745
13. Margaret French, Assistant Professor.....		I 312
14. R. L. Haig, Assistant Professor.....	½	645
15. G. P. Haskell, Assistant Professor.....	½	734
16. J. T. Maguire, Assistant Professor of Business English.....	½	623
17. Frank Moake, Assistant Professor (June 23 to July 19).....		623
18. Edward Nehls, Assistant Professor.....	½	634
19. H. F. Robins, Assistant Professor.....	½	645
20. R. L. Schneider, Assistant Professor.....	½	623
21. G. B. Stillwell, Assistant Professor.....	½	645
22. ———, Assistant Professor.....		I 289
23. Margaret Bloom, Instructor.....	½	534
24. Herbert Goodrich, Instructor in Business English.....	½	534
25. J. A. Hamilton, Instructor.....	½	545
26. F. E. Hodgins, Jr., Instructor.....	½	578
27. W. J. Lord, Jr., Instructor in Business English.....	½	589
28. A. C. Tillman, Instructor.....	½	534
29. Michael Timko, Instructor.....	½	578
30. ———, Instructor.....		I 045
31. ———, Instructor.....		I 045
32. ———, Instructor.....		I 045
33. Kathryn F. Douglass, Assistant.....	½	423
34. Philip Coleman, Assistant.....	½	400
35. S. C. Eatherly, Assistant.....	½	445
36. S. L. Elkin, Assistant.....	½	400
37. G. B. Ferguson, Assistant.....	½	423
38. Merle Fifield, Assistant.....		800
39. J. D. Fischer, Assistant.....	½	445
40. W. F. Princic, Assistant.....	½	400
41. R. A. Saner, Assistant.....	½	423
42. R. B. Swan, Assistant.....	½	400
43. R. S. Wilson, Assistant.....	½	445
44. ———, Assistant.....	½	445
45. Dwight Burton, Visiting Lecturer (One week).....		350
(Department of English, Florida State University, Tallahassee, Florida)		
46. Harry Campbell, Visiting Lecturer.....		I 800
(University of Mississippi, University, Mississippi)		
47. J. R. Searles, Visiting Lecturer (One week).....		300
(Department of English, University of Wisconsin, Madison, Wisconsin)		

(\$36 169)

Entomology

1. J. G. Sternburg, Assistant Professor.....

\$ I 489

Finance

1. R. W. Mayer, Professor.....
2. R. C. Osborn, Professor.....
3. O. D. Bowlin, Assistant.....
4. R. W. Seibel, Assistant.....
5. ———, Assistant.....

\$ 2 334

2 000

½

432

800

¼

200

(\$ 5 760)

French

1. P. A. Wadsworth, Professor.....
2. C. C. Gullette, Professor.....

½

\$ I 167

I 889

	<i>Part- time</i>	<i>Summer Salary</i>
3. Philip Kolb, Professor.....		2 000
4. Frances F. Sobotka, Assistant Professor of Russian.....		1 534
5. Edwin Jahiel, Instructor.....		1 156
6. S. E. Gray, Instructor.....	½	534
7. J. L. Martel, Instructor.....	½	534
8. T. H. Brown, Assistant.....	¾	600
9. ———, Assistant.....	½	400
10. R. M. Riggs, Assistant.....	½	400
11. W. G. Heigold, Assistant.....	½	400
12. ———, Assistant.....		800
		(\$11 414)

General Engineering

1. Grace Wilson, Assistant Professor.....	½	\$ 623
2. D. R. Reyes-Guerra, Instructor.....		1 112
3. H. C. Nelson, Instructor.....		1 245
		(\$ 2 980)

Geography

1. A. W. Booth, Professor.....	½	\$ 1 045
2. F. W. Foster, Professor.....		1 923
3. J. L. Page, Professor.....	65/100	1 214
4. J. D. Fellmann, Associate Professor.....		1 556
5. C. S. Alexander, Assistant Professor.....		1 334
6. H. G. Roepke, Assistant Professor (June 23 to July 12).....		584
7. ———, Assistant.....	¼	200
8. ———, Assistant.....	¼	200
9. ———, Assistant.....	½	400
10. ———, Assistant.....	½	400
11. ———, Assistant.....		800
		(\$ 9 656)

Geology

1. F. L. Koucky, Assistant Professor.....		\$ 1 245
2. F. W. Cropp, Assistant.....		800
3. R. L. Niemann, Assistant.....	½	400
4. R. W. Chapman, Visiting Lecturer..... (Department of Geology, Trinity College, Hartford, Connecticut)		1 800
5. N. E. Cygan, Visiting Lecturer..... (Department of Geology, Ohio Wesleyan University, Delaware, Ohio)		1 100
6. J. H. Fisher, Visiting Lecturer..... (Department of Geology, Michigan State University, East Lansing, Michigan)		1 800
7. C. B. Moke, Visiting Lecturer..... (Department of Geology, College of Wooster, Wooster, Ohio)		1 800
		(\$ 8 945)

German

1. J. R. Frey, Professor.....		\$ 2 245
2. Friedrich Kaufmann, Professor.....		2 000
3. F. J. Nock, Associate Professor.....		1 756
4. R. M. Thurber, Instructor.....		1 089
5. ———, Assistant.....	½	400
6. ———, Assistant.....	½	400
7. ———, Assistant.....	½	400
8. ———, Assistant.....	½	400
		(\$ 8 690)

Health and Safety Education		Part- time	Summer Salary
1. A. E. Florio, Professor.....		1/2	\$ 1 067
2. Gertrude B. Couch, Associate Professor.....			1 612
			(\$ 2 679)
Health Service			
1. Jack Otis, Associate Professor of Hygiene.....		2/3	\$ 1 126
History			
1. N. A. Graebner, Professor.....			\$ 2 223
2. K. W. Porter, Professor.....			2 178
3. C. G. Starr, Professor.....			2 312
4. R. P. Stearns, Professor.....			2 667
5. C. E. Dawn, Associate Professor.....			1 778
6. D. J. Geanakoplos, Associate Professor.....			1 600
7. J. B. Sirich, Associate Professor.....			1 667
8. _____, Assistant Professor.....			1 400
9. D. A. Waas, Assistant.....		1/2	400
10. F. D. Rose, Assistant.....		1/2	400
11. C. H. Coleman, Visiting Lecturer.....			2 000
(Eastern Illinois University, Charleston, Illinois)			(\$18 625)
Home Economics			
1. Pearl Z. Janssen, Associate Professor.....			\$ 1 645
2. M. Virginia Guthrie, Assistant Professor (June 16 to July 12)			667
3. Millicent V. Martin, Instructor.....			1 089
4. _____, Assistant.....		1/2	400
5. _____, Assistant.....		1/2	400
6. _____, Visiting Lecturer (June 16 to July 12).....			934
7. _____, Visiting Lecturer.....			1 867
8. _____, Visiting Lecturer.....			1 556
			(\$ 8 558)
Journalism and Communications			
1. J. W. Jensen, Assistant Professor and Head of Division of Journalism.....		1/2	\$ 889
2. L. W. Murphy, Professor.....		1/2	1 023
3. J. C. Sutton, Assistant Professor.....			1 645
			(\$ 3 557)
Law			
1. E. W. Cleary, Professor.....			\$ 3 778
2. G. T. Frampton, Professor.....			2 534
3. E. F. Scoles, Professor.....			2 712
4. W. D. Warren, Professor.....			2 534
5. J. N. Young, Professor.....			3 178
6. V. J. Stone, Associate Professor.....			2 178
7. R. B. Looper, Assistant Professor.....			1 934
8. P. O. Proehl, Assistant Professor.....			1 867
			(\$20 715)
Library School			
1. Rose B. Phelps, Professor.....			\$ 1 889
2. Thelma Eaton, Professor.....			1 867
3. Frances B. Jenkins, Professor.....			2 223
4. D. E. Strout, Associate Professor.....			1 778
5. Marie M. Hostetter, Assistant Professor.....			1 423
6. _____, Assistant.....			800
7. P. S. Grove, Assistant.....		1/2	400
8. Rachel C. Wilkes, Visiting Lecturer.....			850
(Assistant Librarian, Centralia Township High School and Junior College, Centralia, Illinois)			
9. Doris M. Carson, Visiting Lecturer.....			1 400
(Assistant Cataloger, University of Wichita, Wichita, Kansas)			

	<i>Part- time</i>	<i>Summer Salary</i>
10. William B. Ready, Visiting Lecturer..... (Director, Marquette University Libraries, Milwaukee, Wisconsin)		I 700
11. Ellen P. Jackson, Visiting Lecturer..... (Government Documents Librarian, University of Colorado Library, Boulder, Colorado)		I 600
12. Helen E. Walker, Visiting Lecturer..... (Library Consultant, Danville Public Schools, Danville, Illinois)		I 500
13. Horace A. Tollefson, Visiting Lecturer..... (Assistant Director, Louisville Public Library, Louisville, Kentucky)		I 700
		(\$19 130)
Management		
1. P. M. Dauten, Jr., Professor.....		\$ 2 000
2. I. L. Heckmann, Jr., Assistant Professor.....		I 645
3. E. C. Salemi, Assistant Professor.....	½	723
4. L. L. D. Shaffer, Instructor.....		I 112
5. C. A. Sims, Instructor.....		I 223
6. L. E. Barnes, Jr., Assistant.....	½	400
7. S. G. Huneryager, Assistant.....		800
		(\$ 7 903)
Marketing		
1. F. H. Beach, Professor.....		\$ 2 445
2. F. M. Jones, Professor.....		2 223
3. L. M. DeBoer, Assistant Professor.....		I 400
4. Millard Pace, Assistant.....	¼	212
		(\$ 6 280)
Mathematics		
1. M. M. Day, Professor.....		\$ 2 267
2. P. W. Ketchum, Professor.....		2 089
3. H. J. Miles, Professor.....	55/100	I 134
4. C. W. Mendel, Professor.....		2 034
5. J. W. Peters, Associate Professor.....		I 712
6. Irving Reiner, Associate Professor.....		I 712
7. L. L. Steimley, Associate Professor.....		I 556
8. Josephine H. Chanler, Assistant Professor.....		I 445
9. Corinne Hattan, Assistant Professor.....		I 245
10. C. W. Kohls, Assistant Professor.....		I 334
11. L. D. Fosdick, Assistant Professor.....	½	667
12. Robert Kelman, Instructor.....		I 245
13. Clarence Phillips, Instructor.....		I 200
14. K. W. Anderson, Assistant.....	½	400
15. R. P. C. Caldwell, Assistant.....		800
16. D. W. Dean, Assistant.....		800
17. R. A. DeMarr, Assistant.....		800
18. F. L. Jenkins, Assistant.....		800
19. J. T. Joichi, Assistant.....		800
20. R. M. Rau, Assistant.....		800
21. W. M. Sanders, Assistant.....		800
22. Rajinder Singh, Assistant.....		800
23. R. A. Stafford, Assistant.....		800
24. R. N. Townsend, Assistant.....		800
25. M. T. Wasan, Assistant.....		800
26. R. A. Welker, Assistant.....		800
		(\$29 640)
Mechanical Engineering		
1. E. F. Hebrank, Professor.....		\$ 1 867
2. E. D. Luke, Professor.....		2 000

	<i>Part- time</i>	<i>Summer Salary</i>
3. W. L. Hull, Professor.....	1/2	I 023
4. G. W. Harper, Professor.....	1/2	I 023
5. Francis Seyfarth, Professor.....		I 823
6. R. P. Strout, Associate Professor.....	1/2	778
7. J. W. Bayne, Associate Professor.....		I 556
8. W. F. Stoecker, Assistant Professor.....	1/2	723
9. D. L. Mykkanen, Instructor.....		I 156
10. M. B. Singer, Instructor.....	1/2	667
11. A. M. Carson, Instructor.....	1/2	534
		(\$13 150)

Mining and Metallurgical Engineering

1. G. R. Eadie, Assistant Professor of Mining Engineering (July 21 to August 9).....	\$ 583
(See Civil Engineering Summer Surveying Camp).....	(973)
(Total Salary)	(I 556)

Music

1. Bjornar Bergethon, Professor.....	\$ 2 234
2. H. A. Decker, Professor.....	2 223
3. B. R. Foote, Professor.....	2/3 I 452
4. W. S. Goldthwaite, Professor.....	I 978
5. Charles Leonhard, Professor.....	2 245
6. R. H. Miles, Professor.....	2 112
7. Paul Rolland, Professor (June 22 to July 20).....	962
8. W. L. Roosa, Professor.....	1/2 934
9. Sherman Schoonmaker, Professor.....	1/2 I 067
10. ———, Professor (June 22 to July 20).....	934
11. G. W. Binkerd, Associate Professor.....	1/3 526
12. Beth Bradley, Associate Professor.....	I 556
13. J. C. Garvey, Associate Professor.....	2/3 I 171
14. L. R. Hamp, Associate Professor.....	1/2 784
15. E. D. Kisinger, Associate Professor.....	I 723
16. A. J. McDowell, Associate Professor.....	I 556
17. H. C. Schmitt, Associate Professor.....	3/4 I 275
18. H. O. Sexton, Associate Professor.....	I 645
19. Grace E. Wilson, Associate Professor.....	2/3 I 038
20. Claire L. Richards, Associate Professor.....	2/3 I 038
21. A. M. Carter, Assistant Professor.....	1/4 389
22. R. E. Gray, Assistant Professor.....	I 267
23. G. H. Hunter, Assistant Professor.....	2/3 I 038
24. D. A. Ledet, Assistant Professor.....	I 245
25. C. V. Palisca, Assistant Professor.....	1/2 717
26. E. S. Berry, Jr., Instructor.....	1/2 600
27. T. L. Holden, Instructor.....	I 378
28. E. J. Krolick, Instructor.....	I 312
29. R. E. Williams, Instructor.....	2/3 897
30. J. S. Ballinger, Assistant.....	1/2 400
31. J. L. Campbell, Assistant.....	1/2 400
32. ———, Assistant	800
33. ———, Assistant	800
34. M. W. Britton, Visiting Lecturer.....	1/2 500
(Department of Music, Arizona State College, Tempe, Arizona)	
35. George Bekefi, Visiting Lecturer.....	I 500
(550 Surf, #5/D, Chicago 14, Illinois)	
36. George Reynolds, Visiting Lecturer (June 15 to July 21)...	700
(5137 Margaret Morrison Street, Pittsburgh 13, Pennsyl- vania)	
37. H. J. Lee, Visiting Lecturer (June 15 to July 21).....	500
(Richwood Community High School, 6301 North Univer- sity Road, Peoria, Illinois)	

	<i>Part- time</i>	<i>Summer Salary</i>
38. R. S. Howland, Visiting Lecturer (July 6 to July 20)..... (Fresno State College, Fresno, California)		400
39. Bernard Stiner, Visiting Lecturer (June 15 to July 21)..... (1705 Jenkinson Court, Waukegan, Illinois)		500

(\$43 796)

Philosophy

1. D. W. Gotshalk, Professor and Chairman of Department....		\$ 2 778
2. B. J. Diggs, Associate Professor.....	½	834
3. H. M. Tiebout, Assistant Professor.....		1 489
4. B. H. Suits, Instructor.....		978
5. A. G. Tsugawa, Instructor.....		978

(\$ 7 057)

Physical Education for Men

1. T. K. Cureton, Professor.....		\$ 2 734
2. R. H. Johnson, Associate Professor.....		1 912
3. M. C. Brewer, Assistant Professor.....	¼	312
4. H. J. Braun, Assistant Professor.....	¼	334
5. R. E. Fletcher, Assistant Professor.....	⅓	519
6. H. P. Wells, Assistant.....	½	545
7. M. B. Haycock, Assistant.....	¼	200
8. J. A. Nicolette, Assistant.....	¼	200
9. Dean Trembly, Assistant.....	½	445
10. C. W. Dempsey, Assistant.....	¼	256
11. R. B. Essick, Assistant.....	¼	200
12. R. L. Slusarek, Assistant.....	¼	200

(\$ 7 857)

Physical Education for Women

1. Carita Robertson, Associate Professor (June 16 to July 12) ..		\$ 839
2. Beulah J. Drom, Assistant Professor.....	¾	767
3. Joan M. Sanders, Instructor.....		1 045
4. Phyllis J. Hill, Instructor.....	¼	295
5. Annelis S. Jensen, Instructor.....	¼	273

(\$ 3 219)

Physics

1. ———, Associate Professor.....		\$ 1 800
2. ———, Associate Professor.....		1 800
3. H. F. Gates, Assistant Professor.....		1 307
4. B. G. Dick, Instructor.....		1 055
5. ———, Assistant.....	½	400
6. ———, Assistant.....	½	400
7. ———, Assistant.....	½	400
8. ———, Assistant.....	½	400
9. ———, Assistant.....	½	400
10. ———, Assistant.....	½	400
11. ———, Assistant.....	½	400
12. ———, Assistant.....	½	400
13. D. F. Griffing, Visiting Lecturer..... (5280 Hester Road, Oxford, Ohio)		1 700

(\$10 862)

Physiology

1. F. R. Steggerda, Professor.....		\$ 2 123
2. A. B. Taylor, Professor.....		1 867
3. S. G. Stolpe, Assistant Professor.....		1 456
4. ———, Assistant.....	½	400
5. ———, Assistant.....	½	400
6. ———, Assistant.....	½	400

(\$ 6 646)

		<i>Part-time</i>	<i>Summer Salary</i>
Political Science			
1. C. A. Berdahl, Professor.....			\$ 2 978
2. F. G. Wilson, Professor.....			2 778
3. Phillip Monypenny, Associate Professor.....			1 689
4. George Klein, Assistant.....	½		400
			(\$ 7 845)
Psychology			
1. G. D. Higginson, Professor.....			\$ 1 867
2. L. G. Humphreys, Professor.....	½		1 223
3. O. H. Mower, Professor.....	½		1 445
(See Education)			(1 444)
(Total Salary)			(2 889)
4. L. I. O'Kelly, Professor.....	½		1 167
5. P. T. Young, Professor.....			2 112
6. Frank Costin, Associate Professor.....	½		800
(From Student Counseling Service).....			(800)
(Total Salary)			(1 600)
7. D. R. Peterson, Associate Professor.....	½		812
(See Education)			(811)
(Total Salary)			(1 623)
8. W. G. McAllister, Associate Professor.....	½		812
9. D. J. Shoemaker, Assistant Professor.....			1 334
10. ———, Assistant	½		400
11. ———, Assistant	½		400
			(\$12 372)
Recreation			
1. C. K. Brightbill, Professor and Head of Department.....	9/10		\$ 2 561
2. A. V. Sapora, Associate Professor.....	9/10		1 700
			(\$ 4 261)
Sociology and Anthropology			
1. R. S. Dewey, Professor of Sociology.....			\$ 2 045
2. Oscar Lewis, Professor of Anthropology.....			2 045
3. J. C. McGregor, Professor of Anthropology.....			2 045
4. R. W. Janes, Associate Professor of Sociology.....			1 600
5. B. F. Timmons, Associate Professor of Sociology.....			1 867
6. R. W. England, Jr., Assistant Professor of Sociology.....			1 367
7. ———, Assistant in Anthropology.....			1 000
8. ———, Assistant in Sociology.....	½		400
			(\$12 369)
Spanish and Italian			
1. W. H. Shoemaker, Professor and Head of Department.....			\$ 2 667
2. J. H. D. Allen, Professor.....			1 800
3. J. S. Flores, Associate Professor.....			1 800
4. Angelina R. Pietrangeli, Associate Professor.....			1 800
5. F. P. Ellison, Assistant Professor.....			1 445
6. Verna K. Townsend, Assistant.....	¾		645
			(\$10 157)
Speech			
1. Richard Murphy, Professor.....	½		\$ 1 000
2. Severina E. Nelson, Professor.....	¾		1 500
(See University Speech Clinic).....			(500)
(Total Salary)			(2 000)
3. E. T. Curry, Professor.....			1 967
4. L. S. Hultzen, Professor.....	½		900
5. J. W. Swanson, Professor.....			1 900
6. H. E. Gulley, Associate Professor.....	½		889
(See Summer Debaters Youth Workshop).....			(889)
(Total Salary)			(1 778)

	<i>Part-time</i>	<i>Summer Salary</i>
7. J. C. Kelly, Associate Professor.....	½	794
(See Summer Residential Clinic).....		(795)
(Total Salary)		(1 589)
8. K. A. Windesheim, Associate Professor.....	½	767
9. R. E. Nadeau, Associate Professor.....		1 545
10. C. L. Hutton, Assistant Professor.....		1 434
11. M. T. Cobin, Assistant Professor.....	½	684
12. Clara M. Behringer, Assistant Professor.....	½	614
(See University Theatre and Summer Youth Theatre).. (Total Salary)		(645) (1 289)
13. Kenneth Burns, Assistant Professor.....	½	652
14. Theodore Clevenger, Jr., Instructor.....	½	589
		(\$15 265)

University Theatre and Summer Youth Theatre Program

1. C. H. Shattuck, Professor.....	½	\$ 934
(See English)		(933)
(Total Salary)		(1 867)
2. Clara M. Behringer, Assistant Professor.....	½	645
(See Speech)		(644)
(Total Salary)		(1 289)
3. Mary H. Arbenz, Instructor.....		1 234
4. G. W. McKinney, Instructor.....		1 078
5. Genevieve Richardson, Instructor.....		1 200
6. ———, Assistant	¼	200
7. ———, Assistant	¼	200
8. ———, Assistant	¼	200
9. ———, Assistant	¼	200
10. ———, Assistant	¼	200
11. ———, Assistant	¼	200
12. ———, Assistant	¼	200
13. ———, Assistant	¼	200
14. ———, Assistant	¼	200
		(\$ 6 891)

University Speech Clinic

1. Severina E. Nelson, Professor.....	¼	\$ 500
(See Speech)		(1 500)
(Total Salary)		(2 000)
2. Marie O. Shere, Assistant Professor.....		1 323
3. Ida Levinson, Assistant Professor.....		1 245
4. Naomi W. Hunter, Instructor.....		1 112
5. Frances L. Johnson, Instructor.....		1 089
		(\$ 5 269)

Summer Debaters Youth Workshop

1. W. E. Brockriede, Assistant Professor.....	½	\$ 695
2. H. E. Gulley, Associate Professor.....	½	889
(See Speech)		(889)
(Total Salary)		(1 778)
3. ———, Assistant	½	400
		(\$ 1 984)

Summer Residential Center

1. L. W. Olson, Assistant Professor.....		\$ 1 245
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Summer Residential Clinic

Account Number 09-72-01-178

1. J. C. Kelly, Associate Professor.....	½	\$ (795)
(See Speech)		(794)
(Total Salary)		(1 589)
2. Eighteen Assistants	½	(7 200)

	<i>Part-time</i>	<i>Summer Salary</i>
3. —————, Music Therapist.....	$\frac{1}{2}$	(400)
4. —————, Theatre Therapist.....	$\frac{1}{2}$	(400)
5. —————, Assistant in Psychological Testing.....	$\frac{1}{2}$	(400)
		(\$ 9 195)

Theoretical and Applied Mechanics

1. C. E. Bowman, Professor.....	$\frac{1}{2}$	\$ 934
2. P. G. Jones, Professor.....		2 178
3. C. E. Kesler, Professor.....	$\frac{1}{4}$	467
4. W. M. Lansford, Professor.....		2 312
5. J. O. Smith, Professor.....	$\frac{1}{3}$	800
6. M. C. Stippes, Associate Professor.....	$\frac{1}{2}$	823
7. H. R. Wetenkamp, Associate Professor.....		1 645
8. R. S. Jensen, Assistant Professor.....		1 423
9. J. W. Murdock, Instructor.....	$\frac{2}{3}$	771
		(\$11 353)

Zoology

1. M. R. Matteson, Associate Professor.....		\$ 1 556
2. H. H. Shoemaker, Associate Professor.....		1 556
3. R. S. Bader, Assistant Professor.....		1 334
4. C. T. Sehe, Assistant Professor.....		1 245
5. W. J. Birge, Instructor.....		1 178
6. —————, Assistant.....	$\frac{1}{2}$	400
7. —————, Assistant.....	$\frac{1}{2}$	400
8. —————, Assistant.....	$\frac{1}{2}$	400
		(\$ 8 069)

<i>Total, Summer Session, Urbana-Champaign.....</i>		\$691 997
Reserve (to be assigned by the Dean of the Summer Session)....		\$ 984

CHICAGO PROFESSIONAL COLLEGES**Pharmacy**

1. R. Huitema, Professor (second six weeks).....		\$ 1 434
2. A. J. Perkins, Associate Professor (first six weeks).....		1 400
3. C. A. Reed, Associate Professor (first six weeks).....		1 200
4. Ludwig Bauer, Assistant Professor (first six weeks).....		1 134
5. C. A. Blomquist, Assistant Professor (second six weeks)....		1 167
6. Ralph Daniels, Assistant Professor (second six weeks).....		1 250
7. Bernard Ecanow, Assistant Professor (second six weeks)....		1 150
8. F. P. Siegal, Assistant Professor (second six weeks).....		1 150
9. S. V. Susina, Assistant Professor (first six weeks).....		1 167
10. A. C. Core, Instructor (twelve weeks).....	$\frac{1}{2}$	767
11. —————, Assistant.....	$\frac{1}{2}$	600
12. —————, Assistant.....	$\frac{1}{2}$	600
		(\$13 019)
<i>Total, Summer Session, Chicago Professional Colleges.....</i>		\$13 019

CHICAGO UNDERGRADUATE DIVISION**Biological Sciences**

1. Arthur D. Pickett, Associate Professor.....		\$ 1 689
2. Albert S. Rouffa, Associate Professor.....		1 645
3. William Sangster, Associate Professor.....		1 734
4. Ellis B. Little, Assistant Professor.....	$\frac{1}{2}$	689
5. Donald F. Chapp, Instructor.....		1 067
		(\$ 6 824)

Humanities		Part- time	Summer Salary
1. Jose Sanchez, Associate Professor of Foreign Languages....	$\frac{2}{3}$	\$ 1	126
2. Arnold J. Hartoch, Assistant Professor of Foreign Languages	$\frac{2}{3}$		978
3. Moreen Jordan, Assistant Professor of English.....		1	289
4. Robert Kauf, Assistant Professor of Foreign Languages.....	$\frac{2}{3}$		919
5. Anna W. Kenny, Assistant Professor of English.....		1	289
6. Bernard R. Kogan, Assistant Professor of English.....		1	334
7. Marie E. Lein, Assistant Professor of Foreign Languages....	$\frac{2}{3}$		978
8. Zelma B. Leonhard, Assistant Professor of English.....		1	289
9. John O. Marsh, Jr., Assistant Professor of Foreign Languages	$\frac{2}{3}$		919
10. Johanna D. Braunfeld, Instructor in Foreign Languages....	$\frac{2}{3}$		830
11. Francis G. Cox, Instructor in English.....			978
12. Derek Crawley, Instructor in English.....		1	112
13. Warren R. Freyer, Instructor in English.....		1	245
14. Frances M. Goulson, Instructor in Speech.....	$\frac{5}{6}$	1	075
15. Conde R. Hoskins, Instructor in Speech.....		1	200
16. Willie N. Love, Instructor in English.....		1	289
17. Livia R. Rosman, Instructor in Foreign Languages.....	$\frac{2}{3}$		652
18. Clara S. Skogen, Instructor in Foreign Languages.....	$\frac{2}{3}$		830
			(\$19 332)
Mathematics			
1. M. C. Hartley, Associate Professor.....	$\frac{5}{6}$	\$ 1	630
2. H. J. Curtis, Assistant Professor.....	$\frac{5}{6}$	1	167
3. L. L. Pennisi, Assistant Professor.....	$\frac{5}{6}$	1	167
4. R. G. Hill, Instructor.....	$\frac{5}{6}$		927
5. Rose Lariviere, Instructor.....	$\frac{5}{6}$	1	112
6. Grace Nolan, Instructor.....	$\frac{5}{6}$		982
7. C. E. Olsen, Instructor.....	$\frac{5}{6}$	1	075
8. T. B. Ondrak, Instructor.....	$\frac{5}{6}$	1	038
9. N. C. Scholomiti, Instructor.....	$\frac{5}{6}$		964
10. Rose Vedral, Instructor.....	$\frac{5}{6}$		982
11. L. F. Ziomok, Instructor.....			978
12. Laurence R. Sjoblom, Assistant.....	$\frac{1}{2}$		489
			(\$12 511)
Physical Sciences			
1. C. R. Meloy, Professor.....	$\frac{2}{3}$	\$ 1	482
2. B. J. Babler, Professor.....		1	912
3. F. B. Crum, Professor.....		1	867
4. C. K. Hunt, Associate Professor.....		1	645
5. R. W. Karpinski, Associate Professor.....		1	778
6. J. W. Weldon, Assistant Professor.....		1	378
7. Lynn Carbonaro, Instructor.....		1	156
8. Shafeek Farag, Instructor.....		1	112
9. Anatol Gottlieb, Instructor.....		1	289
10. R. L. Miller, Instructor.....		1	156
11. Frances K. Seabright, Instructor.....		1	200
12. T. A. Lothian, Assistant.....	$\frac{5}{6}$		815
			(\$16 790)
Social Sciences			
1. Peter P. Klassen, Professor.....		\$ 1	867
2. Stanley L. Jones, Associate Professor.....	$\frac{1}{2}$		800
3. Victor E. Ricks, Associate Professor.....		1	689
4. Mrs. Shirley A. Bill, Assistant Professor.....		1	423
5. Robert E. Corley, Assistant Professor.....	$\frac{1}{2}$		645
6. Allen H. Howard, Assistant Professor.....		1	334
7. Louis Unfer, Assistant Professor.....	$\frac{2}{3}$		919
8. Vivian C. Lipman, Instructor.....	$\frac{2}{3}$		652
9. Robert R. Page, Instructor.....		1	156
10. Charles P. Warren, Instructor.....	$\frac{1}{2}$		512

	<i>Part-time</i>	<i>Summer Salary</i>
11. Leon Novar, Visiting Instructor..... (5429 South Ingleside, Chicago 15, Illinois)	½	534
12. Herbert Slutsky, Visiting Lecturer.....	5/6	I 149
13. Milton Rakove, Visiting Lecturer.....		I 289
		(\$13 969)

Engineering

1. E. B. McNeil, Associate Professor of Physics.....		\$ I 578
2. H. M. Skadeland, Associate Professor of Physics.....		I 645
3. H. J. Johnson, Assistant Professor of Physics.....		I 489
4. A. F. Silkett, Assistant Professor of Physics.....		I 445
5. H. B. Weissman, Assistant Professor of Physics.....		I 334
6. F. P. Wiesinger, Assistant Professor of Theoretical and Applied Mechanics		I 578
7. F. A. Mosillo, Instructor.....		I 023
		(\$10 092)

Commerce

1. C. H. Gillett, Associate Professor of Economics.....		\$ I 823
2. Sarah M. Kabbes, Associate Professor of Accountancy.....		I 536
3. E. C. Knudson, Assistant Professor of Economics.....		I 267
4. Lawrence Lipkin, Assistant Professor of Accountancy.....		I 245
5. W. J. Dunne, Instructor in Economics.....	½	667
6. N. D. Hedish, Instructor in Accountancy.....		I 000
7. C. M. Larson, Instructor in Economics.....		I 267
8. Oscar Miller, Instructor in Economics.....		I 245
9. A. R. Morici, Instructor in Accountancy.....		978
10. H. F. Williams, Instructor in Economics.....		I 289
		(\$12 337)

Physical Education

1. Helen Barton, Associate Professor.....	½	\$ 867
2. P. Berrafato, Assistant Professor.....		I 378
3. L. L. Gedvilas, Assistant Professor.....		I 334
4. W. C. Mann, Instructor.....		I 112
		(\$ 4 691)

Sub-total, Chicago Undergraduate Division.....
Unassigned (to be assigned by the Dean of the Undergraduate
Division when enrollments require additional staff).....

Total, Summer Session, Chicago Undergraduate Division...

96 546
3 454
 \$100 000

RECOMMENDATIONS FROM THE UNIVERSITY SENATE

(6) The Urbana Senate has approved for transmission to the Board of Trustees the following proposals relating to new educational programs and changes in existing programs.

Undergraduate Program in Liberal Arts and Sciences and Engineering

The Colleges of Liberal Arts and Sciences and Engineering have recommended establishment of a combined Liberal Arts and Sciences-Engineering five-year undergraduate program which will lead upon full completion to the degrees of Bachelor of Arts in Liberal Arts and Sciences and Bachelor of Science in Engineering. It is comparable to similar arrangements made within or between other institutions in response to a growing need for college graduates having both a liberal arts and engineering background. It involves no significant alteration in the requirements for admission or graduation already established by the respective colleges. Submitted herewith is an outline of the courses of instruction to be included in the program and a statement of the conditions under which it will operate, and copies are being filed with the Secretary of the Board for record.

The program will be administered in accordance with rules approved by the two Colleges and the Urbana Senate which include provisions that the degrees will be awarded simultaneously and only upon completion of the full program,

that students will be governed by the probation and drop regulations of the college in which they are registered, and that students who drop out of the program will then be subject to all existing requirements of the college of their choice. The effective date is September 1, 1958.

I concur in this recommendation.

Revised Curriculum in Chemical Engineering

The College of Liberal Arts and Sciences has recommended revisions in the undergraduate curricula in chemical engineering. The present two curricula, chemical engineering and bioengineering, will be replaced by a single curriculum with a common program for the first two years and three options: engineering, physical science, and bioengineering. The engineering option is identical with the present undergraduate curriculum in chemical engineering. The physical science option, by eliminating certain chemistry, chemical engineering, theoretical and applied mechanics, and electrical engineering courses and substituting certain physics and mathematics courses, provides a program more heavily weighted in mathematics and physical science and one which has as its primary purpose the preparation of students for graduate work. The bioengineering option involves substituting for the same courses omitted in the physical science option certain courses in chemistry, biochemistry, and bacteriology. In all options the number of electives is substantially the same. Submitted herewith is a complete outline of the revised curriculum and a copy is being filed with the Secretary of the Board for record. The effective date is September 1, 1958.

I concur in this recommendation.

Curricula in Forestry

The College of Agriculture has recommended the establishment of two new undergraduate curricula in forestry: forest production, and wood technology and utilization. Establishment of these curricula is justified by the present and prospective demand for persons trained in forestry, by interest of Illinois students in such work, and by the facilities for professional training available to the University in the form of professionally trained foresters, library materials, forest property and research areas, and suitable summer camp facilities. The curricula, each containing provisions for a significant amount of work in the humanities and social sciences, have as their basic aim to provide a sound foundation in the physical and biological sciences and to build thereon a broad training in the technical fields. Submitted herewith are complete outlines of the two curricula, copies of which are being filed with the Secretary of the Board for record. The effective date is June 1, 1958.

I concur in this recommendation.

Admission to the School of Music

The College of Fine and Applied Arts has recommended a program to activate within the regular course framework of the School of Music an early admission program accommodated to and restricted to students of outstanding talents. Work at the University level would begin in the regular University summer session of a student's junior year in high school and would be regarded as becoming continuous in the summer of his senior year. Although it will open the way to graduation after two summers and three and one-half years, the program is not considered primarily in terms of acceleration and it is hoped students can be encouraged to stay the full four years in the interest of a broader education in the humanities. It has the following additional advantages: it will offer systematic and professional instruction to talented students from small communities without access to appropriate teaching; a program of cultural enrichment would strengthen the student's secondary education and the program in his school; and a program of teaching and guidance would help determine prior to actual college matriculation whether or not the student is suited to enter music as a profession. (It would be in line with similar programs already established at several schools of music, e.g., Eastman School of Music, Indiana University, University of Wichita.) Submitted herewith is a statement of the details of this program and a copy is being filed with the Secretary of the Board for record. The effective date is June 1, 1958.

I concur in this recommendation.

Master of Science in Nuclear Engineering

An interdepartmental committee on nuclear engineering and the Graduate College have recommended establishment of a graduate program leading to the degree of Master of Science in Nuclear Engineering. Admission to this program will be open only to students who have completed the undergraduate degree requirements in one of the engineering fields since it is desirable that such a graduate program be superimposed upon conventional engineering disciplines. Submitted herewith is an outline of the program and a copy is being filed with the Secretary of the Board for record. The effective date is September 1, 1958.

I concur in this recommendation.

Doctor of Philosophy in Anthropology

In 1955, the Board of Trustees approved a graduate program leading to the degree of Master of Arts in Anthropology. The Board is now asked to authorize, as an extension of this program, a graduate curriculum leading to the degree of Doctor of Philosophy in Anthropology. It will be administered by the Anthropology Committee of the Department of Sociology and Anthropology. Course work is available in the three main branches of cultural anthropology (archaeology, social anthropology, and linguistics) and in physical anthropology, with opportunities for specialized training in social anthropology and archaeology. Submitted herewith is an outline of the program and a copy is being filed with the Secretary of the Board for record.

I concur in this recommendation.

Master of Accounting Science

The College of Commerce and Business Administration has recommended establishment of a program relating to the professional degree of Master of Accounting Science (M.A.S.). This professional program, approved by the Graduate College, differs from the Master of Science in Accountancy in that the prerequisites for admission include certain specific areas of undergraduate preparation, a course in methods and practices in professional research is substituted for the thesis, and the program of study consists of courses which will prepare the candidate specifically for a career in public, industrial, or governmental accounting. Preparation for practice will be emphasized over research, but since the degree will be a graduate degree, candidates will be expected to demonstrate a capacity for independent pursuit of knowledge in a specified area and to prove skill in written presentation of the results. For admission to this program, the general requirements governing admission of all graduate students will apply, plus the requirement of twenty-four hours of undergraduate work in accountancy including courses in cost accounting, federal income tax accounting, auditing, and advanced problems. At least eight units of graduate work including certain specified courses will be required for the degree.

I concur in this recommendation.

On motion of Mrs. Watkins, the foregoing recommendations were approved.

EXECUTIVE DEVELOPMENT PROGRAM IN THE COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

(7) The record of the College of Commerce and Business Administration is an enviable one in those areas to which it has directed its efforts. Many of the thousands of graduates of its four-year undergraduate curricula have distinguished themselves in business. The holders of graduate degrees have done well as teachers, specialists, and businessmen. Yet the College has not heretofore taken full account of all the needs for advanced training of business executives and of all the implications of the need for more broadly trained supervisory personnel. The College has now reached a point in its development when it must make specific provisions on a continuing basis for training executives as well as teachers and specialists.

On April 18, 1957, the Board of Trustees authorized the establishment of an Executive Development Center within the College of Commerce and Business Administration for the summer of 1957, with the understanding that a permanent

program would be subject to further consideration by the Board later. The Dean of the College has submitted a recommendation that the Executive Development Center be established on a permanent basis as an organizational unit within the College of Commerce and Business Administration according to the following plan:

Organization. The Executive Development Center will be a unit of the College of Commerce and Business Administration, with full responsibility for the development, organization, and administration of executive training and executive development programs, subject to the usual University review with regard to educational and fiscal policy and operations. The courses offered will not count for credit toward University of Illinois degrees. The Executive Development Center will be under a Director responsible to the Dean of the College. The Director will be appointed biennially on an eleven months (BY tenure) contract. It is expected that the Director will also qualify for appointment as Professor of Business Administration. The Executive Development Center will use faculty members from departments and bureaus of the College of Commerce and Business Administration, with suitable adjustment within normal University budgetary provisions, but as a general policy they will not be given full-time assignments in the Program.

Operation. The key problem of staffing an executive development program is that of providing teaching personnel with the maturity, vision, and understanding of practical business that enable them to assist men of business who look to the College of Commerce and Business Administration for knowledge of newer and better business methods. It is expected that teachers thus qualified will come from three sources. The College of Commerce and Business Administration is staffed with senior professors who can make outstanding contributions to the Program. Outstanding men in other universities will be engaged for special assignments. Leading businessmen will be brought in to discuss their problems and their methods with the executives enrolled in the Program.

Development. The College inaugurated the Executive Development Program in the summer of 1957 on a one-year trial basis. Although the number of participants was small there is reason to believe that the Program was successful. Establishment on a permanent basis will permit development until the Program can be offered three times each year. A forty-man Advisory Council of leading businessmen has been working with the College staff on the development of the Program.

Budget. It is proposed that the Executive Development Program be carried forward on a self-sustaining basis. A revolving fund has been established for the Program in the University Business Office. Collection of tuition, fees, and gifts to the Program are deposited in this fund, out of which the expenses of the Program are paid. In the first year or two it may be necessary to seek some aid toward financing the salary of the Director, but it is expected that this will be on a temporary basis. A detailed budget will be submitted each year to the Vice-President and Provost and to the Vice-President and Comptroller for their review.

I concur in these recommendations.

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

EXPANSION OF UNDERGRADUATE SCHOLARSHIP PROGRAM

(8) The University Committee on Undergraduate Scholarships has been studying the question of what constitutes a suitable program of undergraduate scholarships at the University of Illinois, in terms of present and future needs. The purpose of a scholarship program is to serve superior students requiring financial aid, a large group among those who rank in the upper 25 per cent of their high school graduating classes and who do not now go to college. Reconsideration of the University's scholarship structure is timely because the expense of a college education has increased steadily in recent years, partly through increased tuition charges but chiefly through increased costs of living. It is estimated that a student who is a resident of Illinois will need approximately \$1,350 to meet all expenses for two semesters of attendance at the University

of Illinois assuming he will live in one of the University residence halls or in housing accommodations of equivalent standards; a nonresident will need approximately \$1,700 because of the difference in fees.

In 1956-57, the enrollment of undergraduate and professional students (i.e., excluding graduate students) in Urbana and in Chicago totaled 25,203. Of this number 2,700 had tuition-waiver scholarships; 600 had cash-award scholarships distributed by the University from funds contributed by private donors for scholarship purposes; and 250 had cash scholarships received directly from outside scholarship agencies. Thus a total of 3,550 received some form of scholarship aid, or about one out of seven students.

The present University scholarship program is inadequate because: there are many students with superior academic records who need but are not receiving scholarship aid, and who either can not attend the University or can not remain; there are many students under the present scholarship program who have demonstrated need for more financial aid than can be given them.

The foregoing is an abstract of parts of a comprehensive report submitted by the Committee on Undergraduate Scholarships in support of recommendations for expansion of the University's undergraduate scholarship program.

Consideration is being given to ways and means of increasing scholarship opportunities at the University of Illinois—through enlarging gifts and grants for this purpose, through encouraging privately supported scholarship programs, and through cooperation with state and federal programs. Accordingly, no recommendations are being made at this time to establish or increase University expenditures for this purpose. However, in view of the general need outlined above, it is timely to correct certain inequities that now exist in the allocation of tuition awards for scholarship purposes.

Scholarships which provide exemption from payment of tuition have been established from time to time by the General Assembly of Illinois and presently include:

1. County Scholarships, awarded on the basis of competitive examinations.
2. Military Scholarships, awarded on application and proof of military service to persons who served in the armed forces of the United States during World Wars I and II and at any time after September 16, 1940.
3. Scholarships for children of veterans of World Wars I and II and the war in Korea, also awarded on the basis of competitive examinations, with preference given to children of deceased or disabled veterans.
4. General Assembly Scholarships, awarded on nomination by members of the General Assembly.

The Board of Trustees has authority under state law to establish such additional scholarships as the Board sees fit, to be awarded on the basis of scholastic proficiency.

Extension of County Scholarships

State law provides for the award of one scholarship in each county of the state to the high school senior who passes with the highest average a competitive examination given on the last Friday or Saturday in April under the supervision of the County Superintendent of Schools, provided the grade is at least 70 per cent. Applicants who have had any work beyond the high school level are not eligible to compete. The holder of a County Scholarship is entitled to four years of gratuitous instruction. The law provides for only one scholarship in each county regardless of the population. Many years ago the Board of Trustees took partial measures to correct this inequity in relationship to population distribution by creating 66 additional scholarships in Cook County, awarded on the basis of the same competitive examination, so that in addition to the highest ranking candidate the next 66 ranking candidates in the examination also win scholarships.

In view of the wide variation in population in several counties, the Committee on Undergraduate Scholarships recommends that the Board make adjustments in the County Scholarships awarded by authorizing additional scholarships as follows:

In counties with populations between 50,000 and 100,000, one scholarship

in addition to the one authorized in the statute, thus providing for two scholarships in each of these counties: Adams, Kankakee, Knox, Macon, McHenry, McLean, Tazewell, Vermilion.

In counties with populations between 100,000 and 150,000, two scholarships in addition to the one authorized, thus making a total of three scholarships in each of these counties: Champaign, LaSalle, Rock Island, Sangamon, Will.

In counties with populations between 150,000 and 200,000, three scholarships in addition to the one authorized, thus making a total of four scholarships in each of these counties: DuPage, Kane, Lake, Madison, Peoria, Winnebago.

In St. Clair County, with a population of over 200,000, four scholarships in addition to the one authorized, thus making five for this county.

In Cook County, with a population in excess of 4,500,000, an increase of 23 scholarships in addition to the one authorized by law and the 66 previously established by the Board of Trustees, thus making a total of 90 for this county.

In the other 81 counties with populations under 50,000, no additional scholarships beyond the one authorized by law are recommended.

This will provide for a total of 63 additional County Scholarships increasing the number of such scholarships from 168 to 231.

I concur.

The Committee has also recommended the establishment of the following additional scholarships. The Committee's recommendations are presented with my concurrence in each case.

University Scholarships

Some years ago, the Board of Trustees established 10 four-year, tuition-waiver scholarships to be awarded each year by the Committee on Undergraduate Scholarships to superior Illinois high school graduates who in one way or another have failed to qualify for County Scholarships (for example, some superior students fail to qualify because they are unable to go to the county seat to take the examination on the day it is given).

On the basis of the Committee's report, I recommend that the number of these tuition-waiver scholarships be increased to 35 scholarships to be awarded each year to high school graduates who are residents of Illinois, the awards to be on the basis of superior scholarship and evidence of financial need; provided that any scholarship may be suspended or canceled if the holder thereof is placed on scholastic probation or dropped from the University for any cause; and provided further that if any of these scholarships becomes vacant the Committee may fill the vacancy for the remaining period of the scholarship.

Scholarships Plus Employment

The Committee recommends establishment of 75 four-year scholarships for high school graduates of superior ability and who need financial aid, to be awarded to residents of Illinois selected from the state at large, these scholarships to provide exemption from tuition fees and assurance from the University of employment which will enable the holder of such a scholarship to earn funds (or the equivalent) to meet a substantial part of his expenses. Each award would be subject to annual review of the student's scholastic record and job performance. Students receiving these awards would not be eligible for other scholarship aid. If vacancies occur in any of these scholarships, the Committee would select a successor for the remaining period.

I concur in this recommendation.

Scholarships for Nonresident Students

The Committee recommends the establishment of 10 scholarships for outstanding high school graduates, nonresidents of Illinois, who submit proof of financial need and high scholastic records, each scholarship to be awarded for a period of four years, and to provide exemption from the nonresident tuition fee of

\$500. The continuation of such a scholarship would be subject to the maintenance of a satisfactory scholastic record. If the holder of one of these scholarships should discontinue his work in the University, the Committee would select a successor for the remaining period.

I concur in this recommendation.

On motion of Mr. Hughes, this expansion of the undergraduate scholarship program was approved.

CHICAGO UNDERGRADUATE DIVISION ACTIVITIES FEE

(9) The Executive Dean of the Chicago Undergraduate Division recommends an increase in the student activities fee at the Division from \$6.00 to \$8.00 each semester beginning September 1, 1958. This fee supports several extracurricular activities, including intercollegiate and intramural sports, the band and orchestra, the student newspaper, and in return for the fee students are admitted to athletic events and receive the newspaper free of charge.

This recommendation has been endorsed by the Student Congress, the administrative staff at the Chicago Undergraduate Division, the Vice-President and Provost, and the Vice-President and Comptroller.

I concur.

On motion of Mrs. Watkins, this fee increase was authorized.

SUPPLEMENTAL APPROPRIATIONS

(10) The budgetary provisions for 1957-58 for wages, expense, and equipment in several departments are inadequate. The Vice-President and Provost and the Vice-President and Comptroller recommend that the following supplementary assignments be made:

Research and Educational Hospitals.....	\$165 000
Chicago Professional Colleges Physical Plant Building	
Maintenance (for interior painting).....	50 000
Division of University Extension, Extramural Classes.....	37 300
Art.....	4 000
College of Commerce and Business Administration, Administration....	5 000
Graduate College, Administration.....	3 000
<i>Total</i>	<u>\$264 300</u>

I concur, and recommend that the assignments to the Research and Educational Hospitals and the Chicago Physical Plant be permanent additions to their budgets, made possible through the realization of income at the Research and Educational Hospitals in excess of the budget estimates. The remaining assignments will be made from the University General Reserve.

I also request supplementary appropriations for the funds administered by the President's Office for the fiscal year, 1957-58, as follows:

President's Office, Expense and Equipment.....	\$ 1 500
Incidental and Emergency Fund.....	1 500
Public Functions	6 500
Citizens Committee	1 500
Memberships in Organizations.....	1 000
<i>Total</i>	<u>\$12 000</u>

On motion of Mr. Swain, these appropriations were made by the following vote: Aye, Mr. Herrick, Mr. Hughes, Mr. Johnston, Mr. Livingston, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Bissell, Mrs. Holt, Mr. Nickell, Mr. Stratton.

FEDERAL GRANT AND MATCHING FUNDS FOR BIOACOUSTICS LABORATORY

(11) The University has been notified of the approval of a federal government grant of \$139,173 under the Health Research Facilities Act for the construction of a bioacoustics laboratory. On February 18, the Board approved an appropriation of \$20,000 for steel and other materials for this project requiring placement of orders well in advance.

The Vice-President and Provost and the Vice-President and Comptroller recommend that the grant be accepted and that an additional \$119,173 be appropriated for this project from funds available in the General Reserve Fund for 1958-59. The Department of Electrical Engineering is endeavoring to raise funds from private gifts for a portion of the cost, and the appropriation can be reduced to the extent that such funds are received.

I concur.

On motion of Mr. Herrick, this grant was accepted, and the recommended appropriation was made from the General Reserve Fund by the following vote: Aye, Mr. Herrick, Mr. Hughes, Mr. Johnston, Mr. Livingston, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Bissell, Mrs. Holt, Mr. Nickell, Mr. Stratton.

AGREEMENT WITH URBANA AND CHAMPAIGN SANITARY DISTRICT

(12) The University has been contributing its proportionate share of the cost of plant improvements made by the Urbana and Champaign Sanitary District, and has annually paid its proportionate share of the cost of operating the local sewage disposal plant. The University payments are computed on the basis of water consumption; during the current year payments have amounted to approximately 16 per cent of the total annual cost.

The voters of the District have approved a bond issue to finance major capital improvements estimated to cost \$1,420,000. The University's share of the cost would be approximately \$228,000.

The Director of the Physical Plant Department and the Vice-President and Comptroller recommend authorization of an agreement with the District whereby the University will pay \$25,000 during 1957-58 and \$25,000 during 1958-59; and during the 1959-61 biennium the University will pay the balance of its proportionate share, subject to availability of funds which the University may legally use for such payments. The balance will be calculated on the basis of actual cost after audit, multiplied by the factor in effect at the time payment is made for determining the University's share of the annual operating cost, less the amounts paid during 1957-59.

I concur, and recommend that the Comptroller and the Secretary of the Board be authorized to execute an agreement with the Urbana and Champaign Sanitary District, subject to the above limitations; and that an appropriation of \$25,000 be made from funds available in 1957-58 and an appropriation of \$25,000 be made in 1958-59 for payments during the present biennium.

On motion of Mr. Johnston, the Comptroller and the Secretary of the Board were authorized to execute the agreement, as recommended, and the recommended appropriations were made by the following vote: Aye, Mr. Herrick, Mr. Hughes, Mr. Johnston, Mr. Livingston, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Bissell, Mrs. Holt, Mr. Nickell, Mr. Stratton.

EASEMENT TO CENTRAL ILLINOIS PUBLIC SERVICE COMPANY AT UNIVERSITY AIRPORT

(13) The Central Illinois Public Service Company has requested the University to grant an easement in order to install a transmission line along the boundary of the Airport to serve the Federal Civil Aeronautics Authority which is directing the VORTAC unit at the Airport without charge to the University. The VORTAC unit is a navigation aid which will cost approximately \$190,000 and will materially improve the efficiency of the Airport, especially in bad weather.

The Director of the Institute of Aviation and the Vice-President and Comptroller recommend the adoption of the following resolution to grant this easement, and I concur:

Resolution

It is hereby resolved by the Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and the Secretary of the Board of Trustees be, and they hereby are, authorized to

execute, acknowledge, and deliver in the name and on behalf of this Corporation, such instrument of conveyance, contract, or other document or documents, as to them may seem necessary or desirable in order to effectuate a conveyance to Central Illinois Public Service Company, hereinafter referred to as "Grantee," its successors or assigns, of a right of way easement over and upon, and with the right to construct, operate, patrol and maintain a transmission line, including poles, anchors and necessary fixtures and wires attached thereto, over and upon the land hereinafter described, for the transmission of electrical energy and communication, such line to form a part of an electrical transmission and telephone system to be owned and operated by the said Grantee, its successors or assigns, and also the right to remove or trim all brush and trees on the said land within Fifty Feet (50') of the said transmission line, together with the right of access to the said land. Any damage to any property of this corporation, its assigns, or tenants, caused by the employees of the Grantee, its successors or assigns, shall be promptly paid by the said Grantee, its successors or assigns. The right-of-way easement shall terminate ninety (90) days after the Grantee ceases to use said transmission line for rendition of service. The right-of-way easement shall be over the following described property:

Tract Number One

The East (E) Two Hundred Feet of the North One Half (N $\frac{1}{2}$) of the North East Quarter (NE $\frac{1}{4}$) of the Northwest Quarter (NW $\frac{1}{4}$) of Section Eleven (Sec. 11) in Township Eighteen North (T 18 N) Range Eight East (R 8 E) of the Third Principal Meridian (3rd P.M.) in the County of Champaign, and State of Illinois.

Tract Number Two

The East (E) Two Hundred Feet (200') of the South (S) Three Hundred Feet (300') of the South West Quarter (SW $\frac{1}{4}$) of Section Two (Sec. 2) in Township Eighteen North (T 18 N), Range Eight East (R 8 E) of the Third Principal Meridian (3rd P.M.) in the County of Champaign and State of Illinois.

The said transmission line shall be located Five Feet (5') West of the East line of the above described Tract Number One (1) from the South Line of the public highway which extends East and West along the North line of the said Tract Number (1) to a point which is Five Hundred Twenty Five Feet (525') South thereof.

Also, One (1) pole to be placed One Foot (1') North of the North Line of the above described highway and One Foot (1') West of the East Line of the above described Tract Number Two (2). One (1) anchor to be placed Twenty Five Feet (25') North of the above described pole.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Herrick, Mr. Hughes, Mr. Johnston, Mr. Livingston, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Bissell, Mrs. Holt, Mr. Nickell, Mr. Stratton.

EASEMENT FOR EXTENSION OF FLORIDA AVENUE

(14) The Board of Trustees has approved in principle the University's participation in the extension and improvement of Florida and Kirby Avenues which includes construction of a subway under the Illinois Central Railroad right-of-way. Agreement has now been reached with city, county, and state officials regarding the University's participation. Its sole contribution will be the granting of a right-of-way easement over a strip of land south of the present Florida Avenue right-of-way between First Street and Lincoln Avenue and over a strip of land extending from Florida Avenue between First Street and the east line of the Illinois Central Railroad right-of-way.

No payment will be made to the University for this easement, and the University will not be responsible for any capital or construction costs, nor for any maintenance, cleaning, or repairs of the roadway or the pumping and drainage system. The University will retain the right to extend sidewalks, streets, and drives across the easement in the future, the cost of such extensions to be at the expense of the University.

Since state motor fuel tax funds and federal funds will be used in part

payment for this project, state officials indicate that they can not agree to restrict belt route truck traffic from using the street. However, representatives of the cities of Champaign and Urbana have agreed that the cities will endeavor to impose and maintain reasonable restrictions on such traffic.

The Director of the Physical Plant Department, the Vice-President and Comptroller, and the Legal Counsel recommend that the land owned by the University be conveyed in a right-of-way easement to the state of Illinois.

I concur, and recommend that the following resolution be adopted:

Resolution

WHEREAS the authorities of the cities of Champaign and Urbana, Illinois, of Champaign County, Illinois, and the State of Illinois have reached an agreement to construct and maintain a public roadway extending from Neil Street in the City of Champaign to Lincoln Avenue in the City of Urbana, which will constitute an extension of Kirby and Florida Avenues in said cities, and the following described land, title to which is now held by the University of Illinois, will be needed by them for said purpose; and

WHEREAS the construction and maintenance of said proposed public roadway will benefit the University of Illinois in various ways, and, in addition thereto, the City of Champaign, in consideration of the granting by the University to the State of Illinois acting by and through the Director of the Department of Public Works and Buildings of said State of an easement of right-of-way over said land needed for said public roadway and title to which is now held by the University of Illinois, has agreed to vacate a portion of an existing public highway situated between First and Fourth Streets in said City of Champaign and north of the north line of said proposed new roadway, as the result of which the University of Illinois as the present owner of the land adjacent to said portion of said existing public street or highway which is to be vacated will become the owner of said vacated portion thereof, and it is in the best interests of the University of Illinois, and will be advantageous to it, therefore, to grant an easement of right-of-way to the State of Illinois, acting by and through the Director of its Department of Public Works and Buildings, over and across the following described land so that said proposed public roadway, constituting an extension of Florida and Kirby Avenues in the cities of Urbana and Champaign, Illinois, can be constructed and maintained thereon:

Therefore, it is hereby resolved by the Board of Trustees of the University of Illinois, that the Comptroller and Secretary of the Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, be, and they are hereby authorized to execute, acknowledge, and deliver in the name and in behalf of said public corporation, an instrument of conveyance in the form of a grant of right-of-way easement, and other documents in connection therewith, as they and the Legal Counsel of the University of Illinois may find necessary or desirable, in order to effect a conveyance from said public corporation to the State of Illinois, acting by and through the Director of its Department of Public Works and Buildings, of a right-of-way easement for the purpose of improving and extending Florida Avenue from Lincoln Avenue in the City of Urbana, Illinois, to First Street in the City of Champaign and of extending Florida Avenue from First Street to Neil Street in the City of Champaign so as to connect with Kirby Avenue in said last mentioned city, over, upon, and across the following described lands, viz.:

Tract A

Situated in the State of Illinois, the County of Champaign, and the City of Champaign and being also parts of Section 13, Township 19 North, Range 8 East and Section 24, Township 19 North, Range 8 East of the 3rd Principal Meridian, and being further bounded and described as follows: Beginning at the intersection of the east line of the right-of-way of the Illinois Central Railroad and the south line of said Section 13, said right-of-way line being south of the south line of Section 13 where the right-of-way of the Illinois Central Railroad is 215 feet in width; thence west and along the south line of said Section 13, a distance of 9.06 feet to a corner; thence north 6°-47' east, and along the east right-of-way line of the Illinois Central Railroad, a distance of

75.53 feet to a corner; thence east a distance of 424.92 feet to a corner; thence south a distance of 35.0 feet to a corner; thence south $89^{\circ}-41'$ east, a distance of 1012.66 feet to a corner; thence south $0^{\circ}-13'$ west, a distance of 34.52 feet to the southeast corner of said Section 13, said point being marked with a cross cut in the concrete pavement; thence south $0^{\circ}-54'$ east, a distance of 45.48 feet to a corner; thence north $89^{\circ}-41'$ west, a distance of 1013.5 feet to a corner; thence south $45^{\circ}-0'$ west, a distance of 190.9 feet to a corner; thence west a distance of 180.59 feet to a corner; thence south $54^{\circ}-05'$ west, a distance of 175.66 feet to a corner, said corner being in the east right-of-way line of the Illinois Central Railroad; thence north $6^{\circ}-47'$ east and along the said east right-of-way line, a distance of 280.0 feet to the place of beginning, containing 3.79 acres, more or less.

Tract B

Situated in the State of Illinois, the County of Champaign and the City of Champaign, and being also parts of Section 18, Township 19 North, Range 9 East and Section 19, Township 19 North and Range 9 East of the 3rd Principal Meridian and being further bounded and described as follows: Beginning at the southeast corner of Section 13, Township 19 North and Range 8 East of the 3rd Principal Meridian, said corner being marked with a cross cut in the concrete pavement; thence south $0^{\circ}-54'$ east, a distance of 45.48 feet to a corner, thence north $89^{\circ}-26'$ east a distance of 1466.5 feet to a corner; thence north $0^{\circ}-49'$ west, a distance of 58.51 feet to the northwest corner of the northeast $\frac{1}{4}$ of the northwest $\frac{1}{4}$ of said Section 19, said corner being marked with a brass rod; thence north $1^{\circ}-01'$ west, a distance of 21.49 feet to a corner, thence south $89^{\circ}-26'$ west, a distance of 1466.0 feet to a corner; thence south $0^{\circ}-13'$ west, a distance of 34.52 feet to the place of beginning, containing 2.688 acres, more or less.

Tract C

Situated in the State of Illinois, the County of Champaign, and the Cities of Champaign and Urbana, and being also parts of Section 18, Township 19 North, Range 9 East and Section 19, Township 19 North, Range 9 East of the 3rd Principal Meridian and being further bounded and described as follows: Beginning at the northwest corner of the northeast $\frac{1}{4}$ of the northwest $\frac{1}{4}$ of said Section 19, said corner being marked with a brass rod; thence south $0^{\circ}-49'$ east, a distance of 58.51 feet to a corner; thence north $89^{\circ}-14'$ east a distance of 1326.2 feet to a corner, said corner being in the center line of said Section 19; thence north $88^{\circ}-54'$ east a distance of 1443.4 feet to a corner, thence north $89^{\circ}-22'$ east a distance of 1218.4 feet to a corner; thence north $0^{\circ}-43'$ west a distance of 40.0 feet to a corner, said corner being the southeast corner of said Section 18 and the northeast corner of said Section 19 and being also marked with a brass plug; thence north $1^{\circ}-03'$ west, a distance of 40.0 feet to a corner; thence south $89^{\circ}-22'$ west a distance of 1218.7 feet to a corner; thence south $88^{\circ}-54'$ west a distance of 1442.9 feet to a corner, said corner being in the center line of said Section 18; thence south $89^{\circ}-14'$ west a distance of 1326.4 feet to a corner; thence south $1^{\circ}-01'$ east, a distance of 21.49 feet to the place of beginning, containing 7.323 acres, more or less.

The provisions of said grant of right-of-way easement and any such other documents as may be executed and delivered pursuant to this resolution to be approved by the Legal Counsel of the University and the delivery thereof to be made following the adoption by the City Council of the City of Champaign, Illinois, of an appropriate resolution vacating said above mentioned portion of the presently existing public street or highway running between First and Fourth Streets in said City of Champaign.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Herrick, Mr. Hughes, Mr. Johnston, Mr. Livingston, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Bissell, Mrs. Holt, Mr. Nickell, Mr. Stratton.

MEMBERSHIP IN THE ASSOCIATED MIDWEST UNIVERSITIES

(15) The Argonne National Laboratory was established about eleven years ago for fundamental and applied research in the field of atomic energy, and to

cooperate with midwest educational and research institutions in related areas of mutual educational and research interests. The Laboratory has executed research and development projects of importance to the Atomic Energy Commission. Certain research and educational projects have been undertaken in cooperation with universities because of mutual interests and benefits.

Participation by institutions in Argonne activities has always been accepted as a mutually beneficial arrangement, the interchange of knowledge and experience being of great value. To explore the matter of participation fully, an *ad hoc* committee was appointed under the chairmanship of President John T. Rettaliata of the Illinois Institute of Technology to study the future relationships between the Argonne National Laboratory and the university communities.

One of the recommendations of this Committee is the incorporation of the participating institutions and the provision of funds to employ necessary personnel to represent the institutions at the Argonne Laboratory. This proposal was submitted to and approved by the Council of Participating Institutions and a special committee, headed by Dean Frederick T. Wall of the University of Illinois, was appointed to implement this recommendation.

It is now proposed to organize a corporation under the title of "Associated Midwest Universities." Each institution is asked to pay annual dues of \$1,000. The Head of the Department of Physics, the Dean of the College of Engineering, the Dean of the Graduate College, and the Vice-President and Provost recommend that the University of Illinois become a member of this corporation. The proposed by-laws have been examined and approved by the Legal Counsel, subject to certain changes he is recommending.

I concur and recommend that the Board of Trustees authorize membership in the corporation as proposed, and that the appropriation of \$1,000 be made from the General Reserve of the University for payment of the first year's dues.

On motion of Mr. Williamson, this recommendation was approved, and the appropriation was made by the following vote: Aye, Mr. Herrick, Mr. Hughes, Mr. Johnston, Mr. Livingston, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Bissell, Mrs. Holt, Mr. Nickell, Mr. Stratton.

CONTRACT FOR CONSTRUCTION OF UNIVERSITY PRESS BUILDING

(16) The Director of the Physical Plant Department and the Vice-President and Comptroller recommend award of a contract for \$65,974 to the Harris Company, Urbana, the lowest bidder, for the construction of the first unit of a new University Press Building in the area north of Gregory Drive between First Street and Oak Street, Champaign. This will house the offices of the University Press; a recommendation will be submitted later, when funds are available, for the construction of additions for the mechanical division (now in the basement of the Administration Building) and for storage of paper stock and finished products.

The Harris Company submitted a gross bid of \$74,470. It is recommended that the University accept two alternates: (a) substitution of acoustical tile ceilings for plaster, a deduction of \$1,068; and (b) substitution of a warm air oil-fired heating system for an oil-fired hot water system, a deduction of \$7,428. Consideration is being given to the possibility of providing steam service for heating the building by a connection with the University steam lines, but this will require a separate contract. In that event, change orders will be negotiated to eliminate the separate heating system and to provide for steam heating installations instead. In the meantime, it is desirable to proceed with the construction of the building by awarding the contract on the basis of the lowest bid received.

Funds are available in an appropriation made by the Board of Trustees on July 16, 1957.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute this contract.

On motion of Mr. Hughes, this contract was awarded, as recommended, and the Comptroller and the Secretary of the Board were

authorized to execute the same. This action was taken by the following vote: Aye, Mr. Herrick, Mr. Hughes, Mr. Johnston, Mr. Livingston, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Bissell, Mrs. Holt, Mr. Nickell, Mr. Stratton.

CONTRACTS FOR ADDITION TO ABBOTT POWER PLANT

(17) The Director of the Physical Plant Department and the Vice-President and Comptroller recommend award of contracts as follows for the construction of the Abbott Power Plant Addition, Unit No. 6. The award in each case is to the lowest bidder.

Installation of piping system (Division "7K") — Gallaher and Speck, Inc., 546 West Harrison Street, Chicago 7, Illinois.....\$135 667

Installation of electrical equipment (Division "7I") — Northern States Company, Inc., 33 North LaSalle Street, Chicago 2, Illinois.. 90 305

Attached is a report from the Physical Plant Department listing all bids received, and a copy is being filed with the Secretary of the Board for record. Funds are available in the state appropriations to the University for capital improvements for the biennium 1957-59.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute these contracts, subject to the release of funds by the Governor.

On motion of Mr. Swain, these contracts were awarded, as recommended, and the Comptroller and the Secretary of the Board were authorized to execute the same. This action was taken by the following vote: Aye, Mr. Herrick, Mr. Hughes, Mr. Johnston, Mr. Livingston, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Bissell, Mrs. Holt, Mr. Nickell, Mr. Stratton.

CONTRACTS FOR EXTENSION OF UTILITIES DISTRIBUTION SYSTEM

(18) The Director of the Physical Plant Department and the Vice-President and Comptroller recommend award of contracts as follows for additions to and extensions of the Utilities Distribution System at Urbana. The award in each case is to the lowest bidder:

Construction of a subsurface electrical load distribution center vault, immediately west of the new Biology Building, as part of the campus electrical distribution system (Division "LL") — C. A. Petry & Sons, Inc., Champaign.....\$ 45 880 00

Installation of electrical equipment and cables in the vault — Square Deal Electrical Contracting, Inc., LaPorte, Indiana..... 209 135 28

Construction of steam tunnels, duct runs, manholes, and load center (Division "MM") — Kuhne-Simmons Company, Inc., Champaign 343 281 00

This will include construction of a tunnel from Wright Street and Armory Avenue to Mathews Avenue; a tunnel from the southwest corner of the Student-Staff Apartments on Goodwin Avenue north across Green Street and east along Green Street to the Physics Building; and construction of duct runs and manholes to serve the distribution center and load center.

Installation of piping addition to steam distribution system (Division "NN") — Gallaher & Speck, Chicago..... 107 345 00

This will include the installation of piping in the new tunnels; a twelve-inch main in an existing tunnel from Sixth Street and Gregory Drive to Wright Street and Armory Avenue; a six-inch return main in the existing tunnel on Mathews Avenue; and a steam conduit line from the existing tunnel on Mathews Avenue to Davenport Hall.

Thermal insulation for the steam piping (Division "OO") — W. J. Donahoe Company, Chicago..... 40 680 00

Funds are available in the state appropriations to the University for capital improvements for the biennium 1957-59.

I recommend that these contracts be awarded and that the Comptroller and the Secretary of the Board be authorized to execute the same, subject to the release of funds by the Governor.

On motion of Mr. Williamson, these contracts were awarded, as recommended, and the Comptroller and the Secretary of the Board were authorized to execute the same. This action was taken by the following vote: Aye, Mr. Herrick, Mr. Hughes, Mr. Johnston, Mr. Livingston, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Bissell, Mrs. Holt, Mr. Nickell, Mr. Stratton.

CONTRACT FOR CONSTRUCTION OF RADAR ANTENNA TOWER

(19) The Director of the Physical Plant Department and the Vice-President and Comptroller recommend award of a contract for \$39,080 to C. A. Petry & Sons, Inc., Champaign, the lowest bidder, for the construction of a radar antenna tower north of and adjacent to the Engineering Research Laboratory. This tower is needed for research being done at the University under a contract with the United States Army Signal Corps, and the cost will be paid from contract funds.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute the contract, subject to approval by the contract office of the Signal Corps.

On motion of Mr. Hughes, the Comptroller and the Secretary of the Board were authorized to execute this contract.

CONTRACT FOR CONSTRUCTION OF LODGE IN ROBERT ALLERTON PARK

(20) The Director of the Division of University Extension, the Director of the Physical Plant Department, and the Vice-President and Comptroller recommend the award of a contract for \$57,880 to C. A. Petry & Sons, Inc., Champaign, the lowest bidder for the construction of a ten-unit motel type lodge in Robert Allerton Park east of and as an annex to Allerton House to provide additional housing needed for participants in conferences, seminars, and other events held there. It will also be available to other transient guests.

The Committee on Buildings and Grounds on June 20, 1957, authorized the employment of Smith, Kratz, and Associates, Urbana, as architects, and on October 28, 1957, the Committee approved their design of the building to be known as "Evergreen Lodge."

Funds will be assigned for this construction from Allerton House Operations surplus and Division of University Extension income from short courses and other such types of income-producing programs.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute this contract.

On motion of Mrs. Watkins, this contract was awarded, and the Comptroller and the Secretary of the Board were authorized to execute the same. This action was taken by the following vote: Aye, Mr. Herrick, Mr. Hughes, Mr. Johnston, Mr. Livingston, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Bissell, Mrs. Holt, Mr. Nickell, Mr. Stratton.

CONTRACT FOR ELECTRICAL SERVICE AT CHICAGO UNDERGRADUATE DIVISION

(21) The city of Chicago has been billing the University for electrical service at the Chicago Undergraduate Division. The City Council has passed an ordinance authorizing the Commonwealth Edison Company to take over certain facilities and bill the University directly. The Commonwealth Edison Company will turn over to the University eleven transformers owned by the Company, at a nominal price of \$1.00, and will sell power directly to the University. The estimated cost of this service is now \$33,750 a year, and, under the new arrangement, it is estimated to cost \$30,750.

I recommend that the Comptroller and the Secretary of the Board be authorized to execute the necessary contracts with the Commonwealth Edison Company.

On motion of Mr. Hughes, the Comptroller and the Secretary of the Board were authorized to execute the necessary contracts.

ADDITION TO CONTRACT FOR CONSTRUCTION OF MEN'S RESIDENCE HALLS

(22) The Director of the Physical Plant Department and the Vice-President and Comptroller recommend an increase of \$6,162.60 in the contract with Felmley-Dickerson Company for the construction of the Men's Residence Halls to provide metal closing trim between the bottoms of the aluminum window frames and the tops of the metal convactor covers which form a sill. The item was inadvertently omitted from the contract specifications. The cost is approximately \$8.00 a room.

I concur and recommend that the Comptroller be authorized to execute this change in the contract.

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

ENGINEERING SERVICES ON AIRPORT ADMINISTRATION BUILDING AND CONTROL TOWER

(23) The Board of Trustees has approved the employment of Consulting Engineering Service, Champaign, for the mechanical and electrical engineering work in the design of the Administration Building and Control Tower at the University Airport at an estimated cost of \$4,500. This estimate was based on preliminary sketches before the full extent of the engineering services to be required was definitely known. More work is required to complete plans and specifications for the air conditioning and for the electrical and radar facilities necessary to meet requirements of the Institute of Aviation and of federal and state authorities. The contract is on a cost-plus basis; the University will be reimbursed by the State Department of Aeronautics.

I recommend that the Comptroller be authorized to execute a contract for extension of the engineering services now required at an estimated additional cost of \$4,500, or a total of \$9,000.

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

SUBCONTRACT UNDER ARMY CONTRACT WITH THE STATE UNIVERSITY OF IOWA

(24) The University is currently conducting research on dynamics of rocket launchers under a contract with the Army Ordnance Corps. Certain of the research work can best be performed at the State University of Iowa.

The Chairman of the University Research Board and the Vice-President and Comptroller recommend approval of a subcontract with the State University of Iowa for \$8,535 for these research services. Sufficient funds are available in the prime contract with the Army to reimburse the University.

I concur.

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

REPORT ON ARBITRATION OF LABORER-ELECTRICIAN WAGE RATES

(25) On January 16, 1958, the Board of Trustees authorized submitting to arbitration the determination of wage rates to be paid to laborer-electricians for the fiscal years 1957-58 and 1958-59.

The Arbitrator has submitted his finding that laborer-electricians are entitled to a wage increase of 12½ cents an hour effective July 1, 1957, and an additional increase of 7½ cents an hour effective July 1, 1958.

The present rate paid laborer-electricians is \$2.12½ an hour. The University had offered an increase of 7½ cents an hour effective July 1, 1957, and an additional increase of 5 cents an hour effective July 1, 1958. Local 698, State, County, and Municipal Employees Union, had requested an increase of 20 cents an hour effective July 1, 1957, and additional increase of 12 cents an hour effective July 1, 1958.

This report was received for record.

APPLICATION FOR HEALTH RESEARCH FACILITIES FUNDS FOR COLLEGE OF VETERINARY MEDICINE

(26) The College of Veterinary Medicine has submitted an application to the National Institute of Health for \$140,000 to provide one-half of the funds for the construction of a building and equipment to be used as an isolation unit and a facility for research on zoonoses (infectious diseases common to man and animals). Funds will be available from outside sources for the research.

The application has been approved by the University Committee on Health Research Facilities Grants, the Vice-President and Provost, and the Vice-President and Comptroller, and has already been filed to meet an April 1, 1958, deadline, subject to approval by the Board of Trustees and to the availability of matching funds. Arrangements are being made to secure matching funds from private sources, but a portion may have to come from University funds if the grant is approved and accepted.

I recommend approval of filing the application with the understanding that acceptance of the grant will be subject to availability of matching funds.

On motion of Mr. Johnston, this application was authorized.

UNIVERSITY OF ILLINOIS REGULATIONS GOVERNING PROCUREMENT AND BIDDING

(27) The Illinois Purchasing Act, approved July 11, 1957, requires each state agency to promulgate and publish rules and regulations governing its procurement practices and procedures which rules and regulations, and all additions and amendments thereto, must be approved by the State Department of Finance and filed with the Secretary of State.

The Business Office and the Legal Counsel's Office have drafted regulations governing procurement procedures and bidding at the University of Illinois which have been submitted to the State Department of Finance for preliminary review. These regulations formalize what the University is presently doing. With minor modifications resulting from specific provisions in the Illinois Purchasing Act, the practices and policies reflected in these regulations are the same as those the University has been following for many years. The regulations are now submitted to the Board of Trustees. The Vice-President and Comptroller recommends adoption of these regulations effective June 1, 1958.

I concur and recommend that the Secretary of the Board be authorized to submit them to the State Department of Finance for official approval, and after approval that he be authorized to file them with the Secretary of State in accordance with the provisions of "An Act Concerning Administrative Rules."

On motion of Mr. Swain, these regulations were approved by the following vote: Aye, Mr. Herrick, Mr. Hughes, Mr. Johnston, Mr. Livingston, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Bissell, Mrs. Holt, Mr. Nickell, Mr. Stratton.

The regulations appear as an appendix to these minutes on pages 1221 to 1233.

PURCHASES Purchases Authorized

(28) The following purchases were authorized by the Executive Committee on the recommendation of the Director of Purchases, the Vice-President and Comptroller, and the President of the University. In each case the purchase was recommended on the basis of the lowest bid.

Item	Department	Vendor	Cost
One furnace, kiln type, high temperature (2800 F.), 18 ft. wide x 21 in. deep x 23 1/2 in. high inside, 30 kva, 230 volts, 60 cycle, complete with program controller	Art	Harrop Ceramic Service Co., Columbus, Ohio	\$3 151 70 f.o.b., freight allowed to Urbana
One centrifuge, laboratory, large volume, refrigerated, with continuous flow attachment, with two high-speed rotors, 115/230 volt, 60 cycle	Chemistry and Chemical Engineering	Lourdes Instrument Corp., Brooklyn, N.Y.	2 920 00 f.o.b., destina- tion
One lot laboratory glassware and assorted laboratory supplies	General Chemical Stores	Arthur S. LaPine & Co., Chicago	2 851 09 f.o.b., delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One di-functional titrator, recording, with 10 in. chart; dual purpose instrument for constant and variable ph titrations, complete with standard accessories	Chemistry and Chemical Engineering	International Instruments, Inc., Canyon, Calif.	\$ 2 822 00 f.o.b. Canyon, Calif.
14,000 Undergraduate Division catalogs (108 pages and cover)	Office of the Executive Dean, Chicago Undergraduate Division	Interstate Printers & Publishers, Inc., Danville	3 844 06 f.o.b. delivered
Seventeen carbon steel valves of various sizes from 2 1/2 in. to 12 in.	Physical Plant Storeroom	Wilkins-Bloomington Co., Bloomington	5 581 25 f.o.b. Greensburg, Pa. (freight allowed)
Labor and material for tiling on Wright Farm No. 6: 6,365 ft. of 4 in. tile 2,800 ft. of 5 in. tile 600 ft. of 6 in. tile	Agricultural Economics	Sawyer Service, Waterman	3 009 50
140 cases 2000-sheet toilet tissue 100 cases 1000-sheet toilet tissue 100 cases bleached paper towels 300 cases unbleached paper towels	Physical Plant	Decatur Paper House, Inc., Decatur	3 654 00 f.o.b. delivered
Two Piper tri-pacer PA 22 super custom model airplanes; less trade-in allowance for two Piper tri-pacer super custom airplanes, 1954 and 1955 models	Institute of Aviation	Louis Dyson, Illini Airport, Urbana	9 570 00 net f.o.b. delivered

This report was received for record.

The following purchases were approved by the Vice-President and Provost, acting for the President, pursuant to authorization by the Board of Trustees to act on recommendations for purchases under International Cooperation Administration Contracts. The purchases will be from funds supplied by the International Cooperation Administration under its contract with the University for educational services to institutions of higher education in India.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One dynamometer, direct current type, rated 200 h.p. absorbed as a generator and 150 h.p. developed as a motor, speed range 2500/6000 r.p.m., fixed trunnion bearings, automatic scale and chronotachometer	International Cooperation Administration Contracts	General Electric Co., Springfield	\$16 323 00 f.a.s. New York, N.Y.
One electronic counter, high sensitivity model, frequency range 20 to 220 KC. complete with standard accessories and time interval unit	International Cooperation Administration Contracts	Hewlett-Packard Co., Palo Alto, Calif.	2 946 00 c.i.f. Calcutta, India
Photogrammetric apparatus to include: One Balplex plotter, with stand, aluminum mapping table, projectors, and accessories One Balplex center device for positioning diapositives	International Cooperation Administration Contracts	Bausch & Lomb Optical Co., Rochester, N.Y.	5 470 65 c.i.f. Calcutta, India
One jig borer, precision, optical type, 6 in. x 6 in. complete with accessories, 230 volts, 50 cycle	International Cooperation Administration Contracts	Opto-Metric Tools, Inc., New York, N.Y.	4 330 00 c.i.f. Calcutta, India

On motion of Mr. Swain, these purchases were approved.

Purchases Recommended

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 bid.

I concur.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Rental of caps and gowns for June, 1958, Commencement	Committee on Commencement	Collegiate Cap & Gown Co., Champaign	\$7 175 00 f.o.b. delivered
Nuclear engineering educational equipment: Two radiation analyzers Two binary scalars Two scintillation well counters	Chemistry and Chemical Engineering	Radiation Instrument Development Laboratory, Inc., Chicago	4 320 00 f.o.b. Chicago

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot laboratory apparatus including laboratory glassware, rubber stoppers, and assorted items (a complete list, with descriptions, of the items included in the order was available at the Board meeting)	General Chemical Stores	Wilkins-Anderson Co., Chicago	\$ 8 544 63 f.o.b. delivered
Three charactron shaped beam tubes type C19K with FD matrix and P19 phosphor	Control Systems Laboratory	Stromberg-Carlson Co., San Diego, Calif.	8 939 43 f.o.b. San Diego, Calif.
One component group "A-2" for analog computer	Electrical Engineering	Electronic Associates, Inc., Long Branch, N.J.	7 400 00 f.o.b. Long Branch, N.J.
One analog to digital converter	Electrical Engineering	Epsco Incorporated, Boston, Mass.	5 800 00 f.o.b. Boston, Mass.
One lot metallurgical specimen preparation equipment	Mining and Metallurgical Engineering	Buehler, Ltd., Evanston	5 503 00 f.o.b. delivered
One electronic myodynagraph	Orthopaedic Surgery, College of Medicine	Biophysics Research Laboratory, Bethesda, Md.	3 370 00 f.o.b. Bethesda, Md.
1,500 copies <i>Magazines in the Twentieth Century</i> , by Theodore B. Peterson, to be printed and bound	University Press	American Book-Stratford Press, Inc., Chicago	3 969 63 f.o.b. Urbana
2,000 copies <i>Early Training of the Mentally Retarded</i> , by Samuel A. Kirk, to be printed and bound	University Press	Pantagraph Printing & Stationery Co., Bloomington	4 670 22 f.o.b. Urbana
1,515 No. 2008-34 Phoenix captain's chairs for equipping the new Men's Residence Halls now under construction	Housing Division	S. Buckman Furniture & Supply Co., Spring Valley	30 124 56 f.o.b. delivered
Dining tables with Formica tops: Ninety—36 in. x 120 in. Twenty-seven—66 in. round Five—36 in. square Two—36 in. x 72 in. Four—serving tables	Housing Division	S. Buckman Furniture & Supply Co., Spring Valley	41 664 05 f.o.b. delivered
1,122 bent ply leg dining chairs with Naugahyde covering All for Men's Residence Halls			
Chinaware: plates, cups, saucers, soup nappies, creamers, and sauce dishes in Syracuse china for Men's Residence Halls	Housing Division	E. A. Hinrichs & Co., Chicago	8 804 33 f.o.b. Urbana
Silverware: knives, forks, spoons, urns, pitchers, and trays for Men's Residence Halls	Housing Division	International Silver Co., Chicago	3 977 25 f.o.b. Meriden, Conn.
Furnish and install draperies and hardware in Men's Residence Halls	Housing Division	Interior Contract Furnishers Co., Chicago	10 314 61 installed
140 dozen cafeteria serving trays for Men's Residence Halls	Housing Division	Restaurant Equipment & Supply Co., Inc., Champaign	3 372 38 f.o.b. delivered
Cleaning and pressing approximately 3,350 Air Force R.O.T.C. uniforms and laundering approximately 6,700 shirts	Air Force Science	Royal Cleaners & Laundry, Champaign	6 697 32
50 percent rag bond paper watermarked with University of Illinois seal 350 reams 22 in. x 34 in., 40 lb. 100 reams 22 in. x 34 in., 32 lb. 100 reams 22 in. x 34 in., 26 lb.	Office Supply Storeroom	Hawthorne Paper Co., Chicago	11 836 00 f.o.b. delivered
25 percent rag bond paper watermarked with University of Illinois 300 reams 22 in. x 34 in., 40 lb. 75 reams 22 in. x 34 in., 32 lb. 150 reams 22 in. x 34 in., 26 lb.			
400 reams 25 in. x 38 in. white "A" grade, English finish book paper	Office Supply Storeroom	West Virginia Pulp & Paper Co., Chicago	3 541 76 delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Thirty desks, flat top 60 in. x 30 in.	Office Supply Storeroom	All-Steel Equipment, Inc., Aurora	\$ 9 309 71 f.o.b. delivered
Ten desks, secretarial 60 in. x 30 in.			
Thirty desks, flat top 45 in. x 30 in.			
Five tables, 60 in. x 30 in.			
Thirty-five filing cabinets, letter size			
Fifteen filing cabinets, legal size	Physical Plant Storeroom	The Mills Co., Chicago	10 956 00 f.o.b. delivered and installed
For various University departments			
Steel partitions, approximately 420 lineal feet to be furnished and installed in Room 100, Administration Building, for Admissions and Records and Bursar Division Offices			
Steel counter filing and storage cabinets, including top, approximately 216 lineal feet, to be furnished and installed in Room 100, Administration Building, for Admissions and Records and Bursar Division Offices	Physical Plant Storeroom	Jack Sheean, Bloomington	20 132 51 f.o.b. delivered and installed
Builders risk insurance under a completed value form on an estimated \$1,600,000 insurable cost of construction, for the Abbott Power Plant Addition, Unit No. 6, insurance to be carried for an estimated fourteen months during the course of construction; it will be necessary to purchase coverage for two years, but with privilege to cancel; total two-year premiums are estimated at \$3,460 of which \$1,840 will be payable the first year	Physical Plant	Milligan & Noonan, Champaign, representing the Employers Mutual Casualty Co. (\$400,000) Bennett & Shade Co., Decatur, representing the Buffalo Insurance Co. (\$1,200,000)	865 00 2 595 00

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

COMPTROLLER'S REPORT OF CONTRACTS

(29) The Comptroller's report of contracts executed during the period March 1 to 31, 1958.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Crop-Hail Insurance Actuarial Association	Illinois hailstorms by correlating hail damage with radar data	\$10 000 00	February 28, 1958
Kewanee Community Unit School	School survey	4 500 00	February 21, 1958
Mayfair Construction Co.	Rental of property at 204 South Goodwin Avenue during construction of Physics Building, stage No. 1	1 000 00	March 7, 1958
National Academy of Sciences	Dynamic behavior of test bridges on the AASHO road test	38 560 00	February 24, 1958
United States Air Force AF 33(616)-5468	Elevated temperature resistant inorganic structural adhesives	22 500 00	March 1, 1958
United States Army DA-11-022-ORD-2691	Dislocations and point defects	12 255 00	March 14, 1958
United States Navy Nonr-1834(22)	Evaluate the suitability of the proposed site to be used for research in radio astronomy	33 417 00	March 1, 1958

Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
New Idea Farm Equipment Co.	One New Idea No. 628B wagon with wagon box	\$ 40 37 annually	February 11, 1958

Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Boeing Airplane Co.	Frequency independent antennas	\$15 000 00	February 28, 1958
Merck & Co., Inc.	Gibberellic acid on yield and other economic qualities of soybeans	6 000 00	March 19, 1958
Moorman Manufacturing Co.	Poultry nutrition	2 600 00	February 21, 1958
National Warm Air Heating and Air Conditioning Association	Heating, ventilating, and air conditioning as related to warm-air furnace heating	32 175 00	January 1, 1958

<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 18(603)-49	Surface physics with radioactive substances	\$30 300 00	January 6, 1958
United States Air Force AF 18(603)-62	High energy bunched electron beams	20 000 00	January 22, 1958
United States Air Force AF 19(604)-2152	Gaseous electronics and the nature and velocity of heat propagation in gaseous discharge plasmas	124 939 00	January 14, 1958
United States Air Force AF 33(616)-3943	Development and evaluation of high temperature electrical insulating coatings for wires	24 579 76	February 1, 1958
United States Navy N61339-126	Jet transitioning training	5 171 00	February 27, 1958
United States Navy Nonr-1834(03)	Numerical and approximate methods of stress analysis	40 000 00	January 29, 1958
United States Navy Nonr-1834(07)	Physiological functions of vitamin BT	10 644 00	February 6, 1958

Adjustments Made in 1957-58 Cost-Plus Contract

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
E. T. Drewitch (Plastering)	Twelve items: \$325.62 deduct to \$470.00	\$ 843 35	February and March, 1958

This report was received for record.

ANNUAL REPORT OF THE TREASURER

(30) In accordance with the By-Laws of the Board of Trustees, the Treasurer of the University has submitted a report of receipts and disbursements of University funds in his custody for the period March 1, 1957, through February 28, 1958, certified by the Comptroller. A copy of this report was sent to each member of the Board of Trustees prior to today's meeting, and a copy is filed with the Secretary of the Board.

This report was received for record.

LEASE OF SPACE FOR AUDIO-VISUAL AIDS SERVICE AND TELEVISION-MOTION PICTURE UNIT

(31) The Executive Committee reported that it has authorized the lease of space for:

1. The Audio-Visual Aids Service. An area of 9,940 square feet on the second floor of the building at the southeast corner of Green and Sixth Streets in Champaign, beginning September 1, 1958, at an annual rental of \$10,236 plus an estimated \$4,000 a year for internal maintenance, utilities, and janitor service.
2. The Television-Motion Picture Unit. An area of 2,400 square feet of air-conditioned space on the second floor of the building at 606½ East Green Street in Champaign, beginning September 1, 1958, at an annual rental of \$2,696 plus operational maintenance and utility costs estimated at \$1,050 a year. Some remodeling, estimated to cost \$9,200, will also be necessary to make this space usable.

The University of Illinois Foundation will be requested to secure a five-year lease in each case, and will then sub-lease to the University on a year-to-year basis. It is necessary to do this through the Foundation because the University can not make commitments beyond the current biennium whereas the property owners require a five-year lease.

This is by way of a preliminary authorization to close negotiations for this space. A recommendation will be made to the Board of Trustees later for approval of the sub-leases.

This report was received for record.

RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE

(32) The Executive Committee reported that it has approved the following recommendations from the University Patent Committee and the President of the University relating to inventions by members of the staff.

1. The use of cell walls of Group A B hemolytic streptococci and products therefrom as an immunizing vaccine — Sam S. Barkulis, Assistant Professor of

Biological Chemistry, College of Medicine, inventor. This invention is a method of disintegrating the cell walls of Group A B hemolytic streptococci for immunizing and serologic purposes. On November 28, 1956, the Board of Trustees authorized the release of this invention to the University of Illinois Foundation for further investigation and for filing of an application for a patent if such action appeared warranted. The Foundation has reported that a thorough study of this invention has been made, including studies by the Medical Research Committee of the Upjohn Company and the following facts have been developed:

a. The efficacy of such a preparation is questioned. Such a preparation would also be extremely difficult to test or evaluate.

b. It is felt that a good possibility of undesirable antigenic reactions would exist.

c. The preparation would be quite difficult to prepare.

d. The probable market for such a preparation would be small due to the success of antibiotics in this area of medicine.

For these reasons the Foundation is of the opinion that further development work by the University and the filing of an application for a patent are not warranted and, accordingly, recommends that the discovery be released to the inventor. The University Patent Committee and the Vice-President in charge of the Chicago Professional Colleges concur in this recommendation.

2. Method for destroying hardwood tree stumps—Charles S. Walters, Professor of Forestry, and Kenneth R. Peterson, Research Associate in Forestry, inventors. This invention consists of a mixture of chemicals developed by certain staff members of the Department of Forestry, which is applied to tree stumps to facilitate their destruction by burning.

The Committee is not certain how well a patent, if issued, can be defended, but because of public interest in this invention the Committee recommends transfer of the rights of the University to the University of Illinois Foundation with the request that the latter file a patent application if this appears desirable after further investigation.

3. Antioxidants which prevent oxidation and remove prooxidative metallic ions—Fred A. Kummerow, Associate Professor of Food Chemistry, Department of Food Technology, and Taketami Sakuragi, Research Associate in Food Technology, inventors. It is the opinion of the Head of the Department of Food Technology and the Associate Director of the Agricultural Experiment Station that this invention has little or no commercial value. The Patent Committee concurs and recommends that this invention be released to the inventors.

4. Autoclaves with windows—Walter D. Rose, Professor of Petroleum Engineering, inventor. The purpose of this invention is to make possible observations of the contents of a vessel constructed to withstand conditions of high temperature and pressure, and deals with the design of a glass, or other transparent material, window and the closure thereof as part of a metallic pressure vessel.

The Patent Committee is of the opinion that there are several other satisfactory commercial developments similar to this and, accordingly, concurs in the recommendation of the Head of the Department of Mining and Metallurgical Engineering that the invention be released to the inventor.

5. High-density, counter-flow fixed type heat exchanger—John C. Miles, Professor of Mechanical Engineering, and Norman A. Parker, Professor and Head of the Department of Mechanical Engineering, inventors. This is a new principle for the construction of a heat exchanger for use on a gas turbine and is closely related to two previous inventions by Mr. Miles and Mr. Parker relating to "Combustion System for Regenerative Gas Turbine" and "Regenerative Heat Exchanger" which were transferred to the University of Illinois Foundation and on which patent applications have been filed.

The Patent Committee has referred this third invention to the Foundation for study, and the latter reports it has potential value. The Patent Committee recommends that the rights of the University in this invention be transferred to the University of Illinois Foundation and that the Foundation be authorized to file a patent application.

6. Ultrasonic irradiator—William J. Fry, Professor of Electrical Engineering, inventor. This is a machine which produces very high frequency sound

waves. It has been demonstrated that these sound waves will penetrate human or animal tissue and can be used by surgeons in treatment of pathological conditions. The Board of Trustees has released this invention to the University of Illinois Foundation which has now obtained the basic patent and is entering into a contract for manufacture.

The Patent Committee had previously recommended that the inventor be granted 25 per cent of the net income received by the Foundation in fees and royalties. The Committee now recommends that this action be rescinded and instead 12.5 per cent of such income be paid to the inventor and 12.5 per cent be paid to the University for support of research under the direction of Professor William J. Fry. This change is also recommended by the Director of the Engineering Experiment Station and is acceptable to Professor Fry.

This report was received for record.

DEGREES CONFERRED

The Secretary presented for record the following degrees conferred at the Chicago Professional Colleges on the dates indicated.

SCHOOL OF NURSING

Degree of Bachelor of Science in Nursing

(Conferred December 21, 1957)

HILDA VIRGIEN CLARK

(Conferred March 29, 1958)

ANNA MARIE HALTERMAN

SECRETARY'S REPORTS

The Secretary presented for record the following lists: (1) appointments made by the President; (2) resignations and declinations; (3) 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.)

AGER, D. V., Visiting Lecturer in Geology, ten months from September 1, 1958, to render service during the academic year 1958-59, \$7000 (3-18-58).

AHSTROM, JAMES P., Clinical Instructor in Orthopaedic Surgery (Medicine), five months from April 1, 1958, without salary (3-27-58).

ALEXANDER, JAMES, Clinical Assistant Professor of Psychiatry (Medicine), seven months from February 1, 1958, without salary (3-4-58).

ARMSTRONG, KATHERINE S., Instructor in English, academic year beginning September 1, 1958, \$5200 (3-25-58).

ATTERBURY, ROBERT A., Clinical Assistant Professor of Surgery (Medicine) and Clinical Assistant Professor of Oral and Maxillofacial Surgery (Dentistry), March 1, 1958-August 31, 1959, without salary, supersedes (3-18-58).

BERGER, CYRENA G., Research Assistant in Pathology (Medicine), six months from March 1, 1958, without salary (3-18-58).

BIEVER, MRS. ANNA R., Instructor in 4-H Club Work (urban) (E), six months from March 1, 1958, \$6000 a year (3-4-58).

BLACKMER, ROY H., JR., Research Associate in the State Water Survey, four months from March 1, 1958, \$650 a month (3-18-58).

BOLTON, CHARLES D., Instructor in Social Sciences (Chicago Undergraduate Division), $\frac{4}{5}$ time, five months from February 1, 1958, to render service during the second semester of the academic year 1957-58, \$409 a month, supersedes (3-4-58).

BRODY, MARCIA, Research Associate in Botany, $\frac{3}{4}$ time, one year from February 1, 1958, \$4400, supersedes (3-25-58).

BRODY, VIOLA A., Research Associate in Psychiatry (Medicine), $\frac{2}{3}$ time, March 10-August 31, 1958, \$4950 a year, supersedes (3-25-58).

BUSS, TRUMAN C., JR., Instructor in General Engineering (Chicago Undergraduate Division), $\frac{2}{3}$ time, five months from February 1, 1958, to render service

- during the second semester of the academic year 1957-58, \$400 a month (3-4-58).
- CATON, CHARLES E., Instructor in Philosophy, academic year beginning September 1, 1958, \$4700 (3-18-58).
- CHALMERS, RUTH V., Research Assistant in Botany, six months from March 1, 1958, \$4500 a year, supersedes (4-1-58).
- COLMEY, JOHN C., Assistant in Food Technology (S), full time, April 1-June 30, 1958, \$366.66 a month; on ½ time, July 1-August 31, 1958, \$183.33 a month (4-2-58).
- COTTS, GEORGE W., Instructor in Physiology (Medicine), 35/100 time, seven months from February 1, 1958, to render service during the second semester of the academic year 1957-58, \$190.42 a month (3-4-58).
- CRUMLISH, BRIAN J., Instructor in Architecture, February 1-June 15, 1958, \$5000 a year (3-6-58).
- CURTIN, WILLIAM M., Instructor in English, academic year beginning September 1, 1958, \$5200 (3-6-58).
- CZARNECKI, BARBARA, Research Assistant in Biological Chemistry (Medicine), seven months from February 1, 1958, \$4400 a year (3-4-58).
- ENGELBRECHT, RICHARD S., Associate Professor of Sanitary Engineering (Civil Engineering) (S), indefinite tenure beginning March 1, 1958, to render service during each academic year, \$8300 a year, supersedes (3-4-58).
- FATHERREE, LEROY L., Consultant in the University Health Services, ¼ time, May 1, 1958-August 31, 1959, \$5000 a year (3-6-58).
- FETTING, RUDOLPH A., Research Assistant in Dairy Science, one year from April 1, 1958, \$4800 (3-20-58).
- GRANT, MERVYN S., Research Associate in Chemistry, one year from October 1, 1958, \$5400 (4-1-58).
- HERBST, RICHARD J., Research Assistant in Ceramic Engineering (S), June 15-August 31, 1958, \$400 a month (4-2-58).
- HERNANDEZ, G., Research Assistant in Civil Engineering (S), full time, February 1-June 15, 1958, \$500 a month, supersedes (3-18-58).
- HINSBILL, RONALD D., Assistant in Microbiology (Medicine), three months from March 16, 1958, \$400 a month (3-25-58).
- HOGAN, WILLIAM, Assistant in Pediatrics (Medicine), February 20-August 31, 1958, without salary (3-12-58).
- HOLT, CLAUD VON, Research Associate in Pharmacology (Medicine), three months from March 1, 1958, \$500 a month (3-18-58).
- HUGHES, CHARLES Z., Serials Librarian, with rank of Instructor (Chicago Professional Colleges), two months from July 1, 1958, \$500 a month (3-6-58).
- JENSEN, LOUISE, Research Assistant in Medicine (Medicine), ¾ time, three months from April 1, 1958, \$275 a month, supersedes (3-4-58).
- KINZIE, MARION D., Medical Adviser, Special Duty Physician, and Associate Professor of Hygiene, in the Health Service, indefinite tenure beginning March 1, 1958, \$12,300 a year, and Assistant to the Acting Medical Director of the Health Service, for six months from March 1, 1958, at an additional salary of \$500 (3-6-58).
- KNOX, ROBERT S., Research Associate in Physics (C), five months from April 1, 1958, \$483.33 a month (4-2-58).
- KOPPE, HEINZ W., Research Assistant Professor of Physics (C), five months from May 1, 1958, \$600 a month, supersedes (3-4-58).
- KRIZAN, THOMAS F., Instructor in the Sports Fitness School (Physical Education for Men), ½ time, June 16-August 7, 1958, \$611; this is in addition to his regular appointment (3-25-58).
- KUSUMOTO, HAZIME, Research Assistant in Chemistry, six months from March 1, 1958, \$4400 a year, supersedes (3-12-58).
- LEE, WAN-HO C., Clinical Instructor in Psychology (Psychiatry) (Medicine) seven months from February 1, 1958, without salary (3-4-58).
- LEWIS, EUNICE M., Visiting Lecturer in the University High School, ten months from August 16, 1958, to render service during the academic year, \$4222 (3-31-58).
- LINDBERG, RICHARD C., Instructor in Theoretical and Applied Mechanics (Chicago Undergraduate Division), ¾ time, six months from March 1, 1958, to render

- service during the second semester of the academic year 1957-58, at a stipend of \$1100 (3-4-58).
- MARDFIN, MRS. DOROTHY F., Research Assistant in Oral Pathology (Dentistry), six months from March 1, 1958, \$5000 a year, supersedes (3-21-58).
- MORINAGA, KEN-ICHI, Research Assistant in Chemistry, one year from September 1, 1958, \$5000 (3-21-58).
- MURTHA, JOSEPH P., Research Associate in Civil Engineering (C and S), academic year beginning September 1, 1958, \$5400 (3-4-58).
- NEWMAN, HOWARD A., Assistant in Food Technology (S), seven months from February 1, 1958, \$5200 a year, supersedes (4-2-58).
- OPPENLANDER, JOSEPH C., Research Associate in Civil Engineering (S), three months from June 1, 1958, \$733.33 a month, and for the academic year beginning September 1, 1958, \$6600 (3-27-58).
- PACINI, RALPH, Clinical Assistant in Medicine (Medicine), six months from March 1, 1958, without salary (3-26-58).
- PAUL, STANLEY L., Instructor in Civil Engineering (S), March 1-August 31, 1958, to render service during the second semester of the academic year, \$433.33 a month, and an additional salary of \$144.44 a month for special assignment, supersedes (3-25-58).
- PERCIVAL, DONALD H., Research Assistant in Forestry, in the Department of Forestry (College of Agriculture) and in the Small Homes Council (College of Fine and Applied Arts), March 22-August 31, 1958, \$5400 a year, supersedes (3-18-58).
- ROSENBERG, HENRY M., Research Associate in Pedodontics (Dentistry), $\frac{1}{2}$ time, five months from April 1, 1958, \$270.83 a month (4-2-58).
- RUDIN, CECILIA M., Instructor in the Humanities (Chicago Undergraduate Division), $\frac{3}{4}$ time, six months from March 1, 1958, to render service during the second semester of the academic year 1957-58, \$362.50 a month, supersedes (3-4-58).
- SAPORTA, JACK, Research Assistant in Medicine (Medicine), six months from March 1, 1958, \$4400 a year (3-25-58).
- SCHNOBRICH, WILLIAM C., Research Associate in Civil Engineering (C and S), academic year beginning September 1, 1958, \$6000 (3-25-58).
- SMITH, JAMES M., Instructor in Philosophy, academic year beginning September 1, 1958, \$4700 (3-18-58).
- STONE, CLARENCE W., Professor of Library Science, June 16-August 9, 1958, \$1867 for the period; this is in addition to his present appointment (3-25-58).
- SWALLOW, RONALD, Research Assistant in the Control Systems Laboratory (S), full time, March 10-August 31, 1958, \$5800 a year (3-18-58).
- TANAKA, TOYOSUKE, Research Associate in Chemistry, one year from June 1, 1958, \$5400 (4-1-58).
- TUSHAUS, JAMES P., Instructor in Marketing, $\frac{1}{2}$ time, March 1-August 31, 1958, to render service during the second semester of the academic year 1957-58, \$2200, supersedes (3-25-58).
- VAUGHAN, HERBERT E., Associate Professor of Mathematics, indefinite tenure, March 1-August 31, 1958, \$7625 a year, and beginning September 1, 1958, \$7250 a year, to render service during each academic year, supersedes (3-25-58).
- VOLLMAN, RUDOLF F., Research Associate in Anatomy (Medicine), one year from February 1, 1958, \$5800 a year (3-26-58).
- WEINSTEIN, SHIRLEY, Instructor in Medical Social Work (Medicine), March 31-June 30, 1958, \$458.33 a month (3-18-58).
- WEISS, MARVIN, Research Associate in Oral Pathology (Dentistry), $\frac{1}{2}$ time, six months from March 1, 1958, \$312.50 a month, supersedes (3-18-58).
- WELLS, WARREN, Research Assistant in Biological Chemistry (Medicine), six months from March 1, 1958, \$4800 a year, supersedes (3-31-58).
- WINNIKOW, MRS. SWITLANA, Assistant in Mechanical Engineering (C), February 1-June 15, 1958, \$400 a month, supersedes (3-4-58).
- WISE, CATHERINE R., Clinical Instructor in Psychiatry (Medicine), seven months from February 1, 1958, without salary (3-4-58).
- WOLFE, MARTIN S., Research Associate in the University High School, ten months from August 16, 1958, to render service during the academic year, \$5280 (3-31-58).

- WRIGHT, RICHARD N., III, Instructor in Civil Engineering (S), seven months from February 1, 1958, to render service during the second semester of the academic year 1957-58, \$555.56 a month, supersedes (3-4-58).
- YAVIN, AVIVI I., Research Associate in Physics (C), four months from May 1, 1958, \$583.33 a month (3-25-58).
- ZIMMERMAN, HELEN F., Instructor in Library Science and Acting Fine Arts Librarian (Chicago Undergraduate Division), March 17-August 31, 1958, \$5800 a year, supersedes (3-25-58).
- ZUMWALT, GLEN W., Research Associate in Mechanical Engineering (S), academic year beginning September 1, 1957, \$6300, supersedes (3-4-58).

RESIGNATIONS AND DECLINATIONS

- ALINGTON, MRS. MARGARET H., Catalog Assistant in the Library — resignation effective September 1, 1958.
- DAVIS, MILDRED, Clinical Instructor in Psychiatry (Medicine) — resignation effective January 1, 1958.
- HERNANDEZ, G., Research Assistant in Civil Engineering (S) — declination effective February 1, 1958.
- KELLY, COLLEEN M., Vocational Rehabilitation Fellow (Trainee) in Social Work — resignation effective February 1, 1958.
- KIGUEL, ENRIQUE, Research Assistant in Pedodontics (Dentistry) — resignation effective March 1, 1958.
- KUO, BENJAMIN C., General Electric Company Fellow in Electrical Engineering — resignation effective February 1, 1958.
- PRIEST, EDWIN R., Clinical Instructor in Medicine (Medicine) — resignation effective March 1, 1958.
- REBHUN, LIONEL I., Assistant Professor of Anatomy (Medicine) — resignation effective September 1, 1958.
- ROSSI, ANGELO, Research Associate in Physics (C) — resignation effective May 21, 1958.
- SAWYER, EMILY, Fellow in Chemistry — resignation effective February 1, 1958.
- SPURRIER, EARL C., Assistant Professor of Crop Extension (Agronomy) (E) — resignation effective May 10, 1958.
- VARENYI, LESZLO (LESLIE), World University Fellow in Chemistry — resignation effective February 1, 1958.
- VIVIANO, JOSEPH W., Fine Arts Librarian and Instructor in Library Science (Chicago Undergraduate Division) — resignation effective March 14, 1958.
- VOLLMAN, RUDOLF F., Research Associate in Anatomy (Medicine) — resignation effective November 1, 1957.
- WASSERMAN, PHYLLIS, Registered Pharmacist in charge of Hospital Pharmacy (Pharmacy) — resignation effective June 16, 1958.
- WINTERHALTER, MARY J., Instructor in Medical Social Work (Medicine) — resignation effective April 24, 1958.
- ZACH, HELEN M., Instructor in Medical Social Work (Medicine) — declination effective March 3, 1958.

LEAVES OF ABSENCE

- GOTTLIEB, DAVID, Professor of Plant Pathology (C and S) — leave of absence, with pay, from July 16 to August 16, 1958, in order that he may travel to Stockholm, Sweden, to take charge of an International Colloquium, and to travel to Moscow, Russia, to consult with members of the staff of the Institute of Antibiotics.
- SWANN, SHERLOCK, JR., Research Professor of Chemical Engineering (S) — leave of absence on account of illness, without pay, beginning March 20, 1958, and continuing until further notice. This is supplementary to the leave of absence with full pay previously granted him for a period of six months.
- SWENSON, ROBERT H., Associate Professor of Music and Artist in Residence — leave of absence, with pay, from May 15 to the end of the current academic year, so that he may serve as cellist with the University of Michigan Stanley Quartet on its tour of South America during May and June under the sponsorship of the Department of State's International Cultural Exchange program.

TRACY, PAUL H., Professor of Dairy Technology (Food Technology) (C and S)
—leave of absence, without pay, for 62 per cent time for the period February
11 through June 30, 1958.

MAY, JUNE, AND JULY MEETINGS

President Livingston called attention to the Board's previous decision to hold the May meeting on Thursday, May 29, 1958, at Dixon Springs, and asked if the Board desired to confirm this or to change the place.

On motion of Mr. Herrick, the Board voted to hold its next meeting on Thursday, May 29, 1958, at or near the University's Dixon Springs Experiment Station, and the President and Secretary were authorized to determine the hour and place of said meeting.

On motion of Mr. Swain, the Board voted to hold its June meeting in Chicago, on Thursday, June 19, 1958, at an hour and place to be determined by the President and Secretary.

President Livingston asked if the Board desired to fix the date of its July meeting. It was the consensus of the Board that it should be held during the week beginning July 28, 1958, but a decision on a specific date was deferred until the next meeting.

EXECUTIVE SESSION

President Livingston announced that immediately following adjournment of the regular meeting, a special meeting will be held in executive session for consideration of reports and recommendations relating to property acquisitions.

MEMORIAL TO HERBERT B. MEGRAN

Mr. Herrick presented the following memorial:

In the passing of Herbert B. Megran, the University of Illinois has lost one of its finest friends, and the Board of Trustees a beloved former colleague. Many Illini throughout the country, numerous associates in business and civic affairs, and friends everywhere mourn his passing and feel deeply the loss of his personal service and leadership.

Approximately a year ago, upon his retirement from the Board of Trustees of the University of Illinois, the Board recorded his services as a Trustee and his other distinguished services to the University of Illinois, and paid tribute to him for the qualities which have endeared him to many people. This record is well known and it is unnecessary to recount all that was said on that happier occasion, but it may be repeated that the tradition of Illinois Loyalty has been nobly exemplified by his unselfish services to his Alma Mater over many years of his life.

We honor him again today for all of his achievements, for his devotion to the University, his faith in its purpose, and we extend to the members of his family and his business associates our deepest sympathy in their great loss.

On motion of Mr. Herrick, this memorial was unanimously adopted by a rising vote, and as a further mark of respect, the Board adjourned.

ADJOURNED MEETING OF THE BOARD OF TRUSTEES IN EXECUTIVE SESSION

APRIL 17, 1958

When the Board reconvened in executive session, the same Trustees, officers of the Board, and officers of the University were present as recorded at the beginning of these minutes.

The Board took up consideration of the following reports and recommendations from the President of the University.

**ACQUISITION OF LAND IN WILL COUNTY FOR
AGRICULTURAL EXPERIMENT STATION**

(33) The Agronomy Department of the Agricultural Experiment Station has for more than fifty years conducted field research studies on soil and crop management practices at several locations throughout Illinois. Facilities for such work are located in each of the major geographic and soil areas of the state. Because the northeastern Illinois soil area has not been adequately studied, it is desired to establish a field research facility in that area for more intensive research.

Certain lands near Elwood, in Will County, formerly controlled by the United States Department of Defense and now under the control of the Department of Health, Education, and Welfare, have been declared surplus. The Department of Agronomy has been informed that some of this land may be acquired by the University for research work under the provisions of the Federal Property and Administrative Services Act of 1949. An appraised value of the property will be established at time of transfer to the University. Each year thereafter the book value of the property will be reduced five per cent so that clear title to the property will pass to the University at the end of twenty years of use. The only costs incident to the transfer will be the appraisal and legal fees involved in the transaction. If at any time during the twenty-year period the University desires to abandon the research program but wishes to use the land for other purposes it may purchase the same at the remaining book value.

This was reported to the Committee on Buildings and Grounds in July, 1957, and the Department of Agronomy was authorized to file an application for the acquisition of 160 acres of this property. It is now necessary that the Board of Trustees adopt a formal resolution in support of the application. The University will also be required to provide the Department of Health, Education, and Welfare with a fair-value appraisal made by a local real estate office, such appraisal to be based on the normal use of the property. The Department of Agronomy has made arrangements for the appraisal.

The Department of Agronomy, in cooperation with the Agricultural Research Service of the United States Department of Agriculture, has heretofore initiated experimental work on soil and water management and on erosion control on a tract of approximately 200 acres near Elwood, Illinois. This tract, which is part of the Joliet Arsenal property, has been made available for research purposes through a revokable permit from the Department of Defense which permit expires in 1964. Because of this type of tenure the Department of Agronomy has been reluctant to initiate long-time studies or to make capital improvements on the area. If the University is successful in acquiring the 160 acres of surplus land, the Agricultural Experiment Station will consolidate its agronomic research in the northeastern Illinois area in this new location. The tract for which application has been filed has a modern house which can be used by a resident manager.

I recommend adoption of the following resolution and that the Secretary of the Board be authorized to execute the required certificate.

Resolution

WHEREAS, certain real property located in the County of Will, State of Illinois, owned by the United States and more particularly described as follows:

Approximately 160 acres in Will County, Illinois, consisting of the E $\frac{1}{2}$ of the SW $\frac{1}{4}$ of Sec. 12, R. 34 N., T. 9 E. of the 3rd P.M.; and the W $\frac{1}{2}$ of the SE $\frac{1}{4}$ of Sec. 12, R. 34 N., T. 9 E. of the 3rd P.M.; and including a two-story, farm type dwelling with basement, known as Building 343, has been declared surplus and is subject to disposal for educational purposes by the Secretary of Health, Education, and Welfare, under the Federal Property and Administrative Services Act of 1949, as amended, and the rules and regulations promulgated pursuant thereto; and

WHEREAS, the Board of Trustees of the University of Illinois needs said property and can utilize the same for educational purposes in accordance with the requirements of said Act and the rules and regulations promulgated thereunder;

Now, Therefore, Be It Resolved That the Board of Trustees of the University of Illinois shall make application to the Secretary of Health, Education, and Welfare for and secure the transfer to it of the above-mentioned property for educational use upon and subject to such exceptions, reservations, terms, covenants, agreements, conditions, and restrictions as the Secretary of Health, Education, and Welfare, or his authorized representatives, may require in connection with the disposal of said property under said Act and the rules and regulations issued pursuant thereto; and

Be It Further Resolved That H. O. Farber, Comptroller of the Board of Trustees of the University of Illinois, be and he is hereby authorized, for and on behalf of the University of Illinois, to do and perform any and all acts and things which may be necessary to carry out the foregoing resolution, including the preparing, making, and filing of plans, applications, reports, and other documents, the execution, acceptance, delivery, and recordation of agreements, deeds, and other instruments pertaining to the transfer of said property, and the payment of any and all sums necessary on account of the purchase price thereof or on account of fees or costs incurred in connection with the transfer of said property for surveys, title searches, appraisals, recordation of instruments, or escrow costs.

On motion of Mr. Swain, this recommendation was approved, and the foregoing resolution was adopted by the following vote: Aye, Mr. Herrick, Mr. Hughes, Mr. Johnston, Mr. Livingston, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Bissell, Mrs. Holt, Mr. Nickell, Mr. Stratton.

ACQUISITION OF PROPERTY AT 610 EAST JOHN STREET, CHAMPAIGN, ILLINOIS

(34) On November 21, 1957, the Board of Trustees authorized the institution of proceedings in eminent domain for the acquisition of the property at 610 East John Street, Champaign, Illinois, because the owner would not agree to sell except at a price University officials deemed excessive and could not recommend. The property is needed as part of the site for a new student services building.

Proceedings were instituted in the Circuit Court of Champaign County and the case was set for trial. At a "pre-trial" conference of representatives of the owner and of the University, called by the Judge who was to hear the case, the owner agreed to sell at a price of \$45,000 and University representatives agreed to present this proposal to the Board of Trustees. While the price is somewhat above appraisals made of the property for the University, it is within the formula authorized by the Committee on Buildings and Grounds governing negotiations for property purchases. The difference between this price and appraisals would not justify the expense of further litigation.

The Director of the Physical Plant Department, the Legal Counsel, and the Vice-President and Comptroller recommend the purchase of this property, which is described in the minutes of the Board of Trustees meeting of November 20, 1957, pages 991 to 993, at the agreed upon price of \$45,000, the terms of payment and other conditions relating to the acquisition of the property to be subject to further negotiations and approval of the University.

Funds are available in the state capital appropriations to the University for 1957-59.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute the necessary documents upon approval of the same and of the title to property by the Legal Counsel; and that the action of the Board adopting the resolution for condemnation of this particular property, as printed on pages 992 to 993 of the November 20, 1957, Board minutes, be rescinded.

On motion of Mr. Williamson, the purchase of this property at a price of \$45,000 was authorized and the other recommendations were approved. This action was taken by the following vote: Aye, Mr. Herrick, Mr. Hughes, Mr. Johnston, Mr. Livingston, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Bissell, Mrs. Holt, Mr. Nickell, Mr. Stratton.

ACQUISITION OF PROPERTIES IN URBANA

(35) On December 17, 1957, the Board of Trustees authorized the institution of proceedings in eminent domain for the acquisition of the properties at 1008 West Green Street, Urbana, and at 1013 and 1101 West Green Street and 1104 West Illinois Street, Urbana, because the owners would not agree to sell except at prices University officials deemed excessive and could not recommend.

Subsequently, negotiations with the owners were renewed and as a result they agreed to sell within appraisals made of the properties. The Board of Trustees having authorized the purchase of these properties and agreements with the owners having been consummated, I recommend that the actions of the Board adopting the resolutions for condemnation, as printed on pages 1013 to 1016 of the December 17, 1957, Board minutes, be rescinded.

On motion of Mr. Williamson, the actions of the Board in adopting the resolutions indicated above were rescinded.

On motion of Mr. Johnston, the Board adjourned.

A. J. JANATA
Secretary

PARK LIVINGSTON
President

APPENDIX

REGULATIONS GOVERNING PROCUREMENT AND BIDDING AT THE UNIVERSITY OF ILLINOIS EFFECTIVE JUNE 1, 1958

(Approved by the Board of Trustees April 17, 1958, page 1207.)

FOREWORD

The University of Illinois is required to advertise and take sealed bids when making purchases of goods or services costing \$1,500 or more (with certain exceptions) and in connection with construction contracts involving an expenditure of \$1,500 or more. In addition, it is the practice of the University to buy on a competitive basis, when practicable, regardless of the amount to be expended. The purpose of these rules and regulations is to set forth policies and procedures to be followed and to inform those desirous of selling to the University how to proceed in order to receive invitations to bid and how bids will be handled.

HOW TO SELL TO THE UNIVERSITY OF ILLINOIS

The Board of Trustees has centralized the authority to purchase in the Business Office under the Vice-President and Comptroller (except where authority has been assigned to some other official or committee; e.g., books and periodicals are purchased by the Library) who has delegated the authority to the Director of Purchases for the Urbana departments and to the Purchasing Agent for the Chicago departments, the latter including Navy Pier branch and Division of Services for Crippled Children, who are referred to hereafter as the "Purchasing Officials."

The various departments of the University submit requisitions to the Purchasing Officials. When properly approved, they constitute authority for making purchases according to the procedures described in these regulations. With certain exceptions, all purchases in excess of \$1,500 are advertised in the official State newspaper and are awarded on the basis of sealed bids. Purchase transactions in excess of \$2,500 are submitted to the Board of Trustees for prior approval, except in emergencies, when they may be acted on by the President of the University. Purchases are not binding upon the University until such approval has been given.

Kinds of Commodities and Equipment

The kinds of commodities and equipment bought for the University of Illinois by the Purchasing Officials include, among others, the following:

Automobiles and Trucks	Metals, ferrous and nonferrous
Building Maintenance Supplies	Office Machines, Equipment, and
Chemicals	Supplies
Coal	Paints and Painters' Equipment and
Dental Supplies and Equipment	Supplies
Drugs	Paper
Electrical Equipment, Appliances, and	Petroleum Products
Supplies	Pharmaceuticals
Electronic Equipment and Supplies	Photographic and Projection Equipment
Envelopes	and Supplies
Foodstuffs	Plumbing and Heating Equipment and
Furniture	Supplies
Gases, propane and laboratory type	Printing, letterpress and offset
Grain, Hay, and Straw	Refrigeration and Air-Conditioning
Hardware	Equipment
Hospital Equipment and Supplies	Scientific Equipment and Supplies
Laboratory Animals	Seeds and Fertilizer
Laboratory Apparatus and Supplies	Sound Recording Equipment and Tape
Lumber and Building Materials	Textiles
Machine Tools and Shop Equipment	Welding Equipment and Supplies
and Supplies	X-ray Equipment and Supplies

How Bids Are Solicited by the University

It is the policy of the University to obtain contracts for commodities, equipment, and construction work at the lowest possible prices, provided the contracts are with responsible persons who can be depended on to give reliable performance

under the contracts awarded to them. The Purchasing Officials maintain lists of bidders to whom they send invitations to bid for contracts to sell the University the various classifications of commodities and equipment they buy. The Physical Plant Department also maintains a list of contractors for construction and permanent improvements. Preliminary investigation is made of the responsibility of vendors and contractors placed upon such lists, but such preliminary investigation is not binding upon the University if later facts or events tend to show that such vendor or contractor is not in fact a responsible person.

Suppliers may be placed on a bidders list by submitting a request to the Director of Purchases, Urbana, Illinois, or the Purchasing Agent, Chicago, Illinois, advising him of the kinds of commodities and equipment for sale. In some instances vendors will be requested to fill out an information blank for reference. Contractors should submit a request to the Director of the Physical Plant, Urbana, Illinois, subject also to the requirement of completing an information blank.

In addition to sending out invitations to bid, the Purchasing Officials will run advertisements in the official newspaper, selected by the Director of Finance, regarding items of \$1,500 or more they are going to buy.

How to Submit Bids

Listed bidders will receive invitations to bid on various items in the classification to which the list applies. The invitation will give the items to be purchased, the quantity of each item, delivery time, and the specifications which must be met by all the bidders. It will also contain a bid form (except in case of emergencies, when telegram or telephone bids will be requested) to be filled out as shown on the form and as explained in the Purchasing Regulation, and to be returned to the respective Purchasing Official by the time specified in the invitation to bid.

Complete records of all bids and awards are kept in the offices of the respective Purchasing Officials. These records are available during regular office hours for inspection by any interested person or his representative.

PROCUREMENT AND BIDDING REGULATIONS

Eligibility to Bid

SECTION 1. BIDDERS LIST

a. *How to apply to be placed on bidders list.* Bidders lists are maintained for various commodity and equipment classifications established by the Purchasing Officials. A list of contractors for construction and permanent improvements is maintained by the Physical Plant Department. To have his name included on a bidders list, a vendor or contractor should submit a request in writing or in person to the Purchasing Official or the Physical Plant Department, indicating the types of commodities or equipment he proposes to furnish, or the type of services or construction work he can perform.

b. *Application to be filled out.* After he receives the vendor's or contractor's request, the Purchasing Official or Physical Plant Department may provide him with an application blank asking for the form of organization, bank references, sources of supply, or other information required to determine the responsibility of the applicant.

c. *Addition of name to list.* If the application and financial statement (if requested) show sufficient evidence of the vendor's or contractor's financial and business responsibility, and no reason is known to the Purchasing Official or Physical Plant Department why the vendor or contractor would not be a responsible bidder, his name is placed on the bidders list for the commodity and equipment classifications or types of construction work indicated. Invitations to bid are sent to those persons appearing on bidders lists, but this does not constitute a final or conclusive determination as to the responsibility of such a bidder.

SECTION 2. REMOVAL OR SUSPENSION FROM LIST

a. *Notice of removal or suspension.* The Purchasing Official or Physical Plant Department may remove any bidder from a bidders list or suspend him for a specified period of time. Any bidder may be suspended for not more than one year for violation of these rules and regulations, or failure to conform to specifications or terms of delivery. The bidder will be given due notice of such removal or suspension action.

b. *Cause for removal or suspension.* The following, without excluding others of like or different nature, shall be sufficient grounds for such removal or suspension:

- (1) Delivery of commodities or equipment which do not comply with the specifications.
- (2) Failure to make delivery within the time specified.
- (3) Failure to keep offer firm for length of time specified by the bidder in his bid.
- (4) Failure to provide performance bond when required by invitation to bid.
- (5) Collusion with other bidders or prospective bidders to restrain competitive bidding.
- (6) Giving information in an application for inclusion on a bidders list that is later found to be false or materially misleading.
- (7) Bankruptcy or other evidence of insolvency of the bidder.
- (8) Any other facts causing substantial doubt as to whether the bidder will continue to be a responsible bidder who can be relied upon to fulfill his obligations under this regulation and under any contract awarded to him.
- (9) Any violation of the Illinois Business Corporation Act or any other law of the State of Illinois which would make it inadvisable for the University to deal with such bidder.
- (10) Any other violation of this regulation.

c. *Failure to respond.* In addition to removal for the above causes, a bidder may be removed from a bidders list for two consecutive failures to respond (either with a bid or an indication of "no bid") to invitations to bid.

d. *Reinstatement on bidders list.* At any time after he receives a notice of removal or suspension the bidder may submit in writing or in person an explanation of the circumstances which were the cause of the removal or suspension order, or may show that such circumstances have been corrected. (Failure of a manufacturer or supplier to furnish the commodity or equipment bid upon or any part thereof to the bidder does not relieve the bidder of responsibility.) On the basis of such explanation or showing the University may modify or rescind the removal or suspension.

Solicitation of Bids

SECTION 3. HOW BIDS ARE SOLICITED BY THE UNIVERSITY

a. *Newspaper advertisement.* The Purchasing Official or Physical Plant Department, as required by law, will advertise in the newspaper selected by the Director of Finance, and others as such Purchasing Official or Physical Plant Department may deem necessary, bids for commodities, equipment, or construction to be bought, unless the purchase is exempt from advertisement under the law. The advertisements will explain where bid forms and full information can be obtained, and state the time and place of opening.

b. *Invitations to bid.* When the Purchasing Official or Physical Plant Department are ready to buy a particular commodity or piece of equipment or desire bids on construction work they send out "invitations to bid" to persons on their bidders lists. Invitations also are sent to any other persons who respond to a newspaper advertisement. Such invitations will state, among other things:

- (1) The item to be bought, or work to be bid on.
- (2) The quantity of the item to be bought or description of work to be done.
- (3) The specifications (and item number, if any) of the item.
- (4) Any installation, maintenance, or repair services to be provided with the item.
- (5) The delivery requirements.
- (6) Any other terms and conditions which the University may require bidders to comply with.

Invitations to bid will be sent out by mail, except in cases of emergency. In such cases they may be sent out by telegram or be requested by telephone.

For construction work, notice of the availability of specifications will be sent to all contractors on the bidders list. Detailed specifications will be sent to those requesting them.

c. *Bids sometimes individually requested.* If in the judgment of the Purchas-

ing Official the number of persons on the bidders list is not large enough to provide adequate competitive bidding, bids may also be requested from any other responsible persons who, it is thought, might submit advantageous bids. If a purchase is exempt by law from advertising, he may request bids from any responsible persons.

Submission of Bids

SECTION 4. BID FORM

a. *University bid form.* In order to provide a uniform type of bid, so that there can be accurate comparison of the various bids by the University, the bidders, and interested members of the public, all bids must be on the form furnished by the University. Any exceptions must have the written approval of the proper Purchasing Official or Physical Plant Department. The University may waive irregularities, if, in their opinion, such irregularities are minor.

b. *Use of typewriter, ink, or indelible pencil.* Every bid should be type-written or written in ink or indelible pencil. Every bid must be signed by the person submitting the bid or his duly authorized agent. Proper evidence of the agent's authority will be submitted with the bid. The signature should be in either ink or indelible pencil and the name and title of each person signing the bid shall be typed or printed below his signature.

c. *Bids by telephone or telegram.* In cases of emergency, bids may be submitted by telephone (with written confirmation following) or by telegram.

SECTION 5. TYPES OF BIDS

a. *Sealed and open bids.* The invitation to bid will ask for either "sealed bids" or "open bids." The two types of bids are so designated because of the difference in method of handling, which is explained below.

b. *Sealed bids.* If the University estimates that a proposed order or contract will total \$1,500 or more, sealed bids will be requested except in those instances exempted by the State Purchasing Act.

c. *Open bids.* For estimated orders or contracts of less than \$1,500, and in all cases of emergency, open bids will be requested.

SECTION 6. CONTENTS OF BIDS

a. *Specifications.* The invitation to bid will include a description of the materials, equipment, or service to be purchased or to be bid on. Such description may be detailed specifications, standard specifications, brand names, catalog numbers, etc.

b. *Other terms and conditions.* The invitation to bid and bid form may also set forth any other terms and conditions which bids must meet.

c. *Items must be new and current.* Unless otherwise specified in the invitation to bid, the items and materials offered must all be new and the latest model, crop, or manufacture.

d. *Unit and total prices.* In connection with purchases, the price for the units specified in the invitation to bid should be clearly shown for each separate item in the place provided on the bid form. Only one unit price should be quoted for each item. The total price for the quantity requested must also be shown.

e. *Acceptance of split award.* In some cases the Purchasing Officials may split the award of a contract when two or more bids quote the same price for the item being bought. If a split award is not acceptable it must be so stated in the bid.

f. *Any or all items.* Unless otherwise stated, a bid shall be considered as being for any or all of the items covered by the invitation to bid. The award may be made to the lowest aggregate bidder for all items or on an item by item basis. The bid should so state if it is to be treated as an aggregate bid (that is, all items awarded or none).

g. *Time price will be firm.* The price of each bid must be kept firm for the period of time indicated on the form by the vendor. This period must be at least thirty days after the latest time specified for submission of bids (unless otherwise provided in the invitation to bid). If no period is indicated, the price will be considered firm indefinitely.

h. *Maintenance and repair services.* If the invitation to bid specifies that maintenance or repair services must be provided by the successful bidder, each bidder should explain in the bid how the services will be provided (that is, whether by the bidder or through an arrangement with another person or firm).

i. *Retailers' Occupation Tax.* Bidders must not include Retailers' Occupation Tax or Use Tax in their quotations or bids. Receipts from sales to agencies of the State of Illinois are excluded from Retailers' Occupation Tax Act and the Use Tax Act.

j. *Federal Excise Tax.* Bidders must not include in their prices any allowance for payment of Federal Excise Tax, as the University is exempt from such taxes. If a contract is awarded for the sale of an item that is subject to Federal Excise Tax, the University will furnish the vendor with an exemption certificate.

k. *State laws and University regulations.* All bids are subject to these regulations and to the laws of the State of Illinois, particularly the Illinois Purchasing Act and Conflict of Interest Statutes. A certification is required in certain instances, and the form of this certification will be provided in the bid form. (See also section 21(e) below.)

SECTION 7. HOW TO SUBMIT BIDS

a. *Special envelope for sealed bids.* In order that the University can tell without opening a bid which invitation to bid it is in response to, a special envelope will be furnished to be used in submitting a sealed bid. The envelope will have the following information on the outside:

- (1) The date and time of the bid opening.
- (2) The bid number.
- (3) The words "SEALED BID" in large capital letters.

b. *Bidder's own envelope for open bids.* The bidder should use his own envelope for the submission of an open bid.

c. *Where to submit bids.* All bids must be submitted to the person and at the addresses specified in the invitation to bid.

d. *When to submit bids.* Invitations for sealed bids will state the place, date, and hour of opening of bids. Invitations for open bids will require submission of bids by a specified date. In either case, the date specified will ordinarily be at least ten days after the invitations to bid are sent out.

e. *Change in or withdrawal of bids.* A bidder may withdraw or change a bid if notice of the withdrawal or change is received by the University before the latest time specified for submission of bids. Changes may be made only by substitution of another bid submitted in like manner as the original bid, or by a letter or telegram stating that the bid shall be changed by a specified amount (such as the subtraction of \$0.75 per hundredweight) without stating the final figure resulting from the change. Withdrawals of bids after bid opening will not ordinarily be permitted; however, in those cases where, in the judgment of the University based upon clear and demonstrable evidence, the bidder has made a bona fide error in the preparation of the bid and such error will result in a substantial loss to the bidder, an exception may be made.

f. *Late bids.* No bids received after the time specified in the invitation to bid will be considered.

SECTION 8. CERTIFIED CHECK OR BID BOND

a. *Certified Check or Bid Bond may be required in connection with invitations to bid.* The invitation to bid may require each bidder to file with his bid a certified check or bid bond (payable to the Board of Trustees of the University of Illinois) the amount of which will not exceed 10 per cent of the amount of the bid.

b. *Deposit agreement.* A certified check, if requested, will be considered as security for full performance of all obligations imposed on the bidder, under the law and these regulations, including the obligation to keep the price or bid firm for as long a period as specified in the bid, and the obligation to file a "performance bond" if required, when a contract is awarded. If the bidder fails to perform any one or more of such obligations, the University will negotiate said check and retain from the proceeds thereof an amount sufficient to compensate it for any and all damages suffered because of such failure or failures.

c. *Return of check.* If a bidder is the successful bidder, the certified check will be returned within a reasonable time after the contract is fully executed or after a "performance bond" is filed, if a bond is required. If a bidder is not a successful bidder, the certified check will be returned to that bidder within such time as may be set forth in the bid documents or, if no time is stated, within a reasonable time after the contract is awarded to the successful bidder.

SECTION 9. SUBMISSION OF SAMPLES WITH BID

a. *How to submit samples.* Any samples called for in the invitation to bid should be submitted as instructed in the invitation. Each sample must be labeled clearly with the vendor's name, address, and invitation number.

b. *Transportation charges.* No samples will be accepted by the Purchasing Officials unless all transportation charges, including cartage, have been prepaid.

c. *Representative sample.* All samples submitted must be representative of the commodities or equipment which will be delivered if a contract is awarded. Samples submitted by successful bidders will be retained for use in checking items delivered under the contract, but the submission of samples shall not limit the right of the University to insist that commodities or equipment delivered must also meet the specifications of the invitation to bid.

d. *Disposition of samples.* No payment will be made for samples. However, samples not destroyed by examination or testing will be returned to bidders (if so requested when samples are submitted, by marking sample "Please return sample"), at the bidder's expense.

Handling of Bids**SECTION 10. HANDLING OF SEALED BIDS**

a. *Formal bid opening.* All sealed bids will be opened, the amounts of the bids read aloud, and the names of the bidders recorded, at the place, date, and hour specified in the invitation to bid. The bid opening will be conducted by the Purchasing Official or by the Director of the Physical Plant, or the representative of either of them, and an officer of the Board of Trustees or his representative.

b. *Bidders may be present.* Bidders (or their authorized representatives) or any other interested person may be present at any such opening of a group of bids.

c. *Bid speaks for itself.* If the person reading the bids happens to make a mistake when reading a bid aloud, the figure actually given in the bid shall govern.

d. *Recording of bids.* The name of the bidder will be recorded as each bid is read. As soon as all bids have been opened and read, the persons conducting the bid opening, as provided in section 10a, will sign the following certification:

"We hereby certify that the bids submitted by the bidders whose names are recorded were opened, read, and recorded at the place and time specified in the Invitation to Bid."

e. *Prompt tabulation and award.* Sealed bids will be tabulated for comparison and the award made as soon as reasonably practical after the opening and recording of the bids. In case of purchases or contracts over \$2,500, except in emergencies, this will be at a monthly meeting of the Board of Trustees.

f. *Public record of sealed bids.* The record of bidders' names prepared at the bid opening and all the bids and tabulation sheets will be kept in the office of the Purchasing Official or Physical Plant Department for a period of not less than two years after the award is made, and are available for inspection at reasonable hours by any interested person.

SECTION 11. HANDLING OF OPEN BIDS

a. *Processed as soon as possible.* Open bids will be examined and the award made as soon as reasonably possible after the latest time specified for submission of the bids.

b. *Public record of open bids.* All written bids, confirmations in writing of oral bids, and tabulation sheets (if any) will be kept in the office of the Purchasing Official or Physical Plant Department for a period of not less than two years after the award is made, and are available for inspection at reasonable hours by any interested person.

Awarding of Contracts**SECTION 12. STANDARDS FOR AWARDING CONTRACTS**

a. *Lowest and best bid.* The awards will be made to the lowest bidder considering price, responsibility of bidder, and all other relevant factors, provided the bid meets the specifications and other requirements of the invitation to bid. The standards followed in determining which is the lowest and best bid are outlined below.

b. *Cash discounts.* In determining the lowest bid, cash discounts when stated separately will be taken into account.

c. *Trade discounts.* Trade discounts may be indicated, but should always be deducted by the vendor in calculating the unit price quoted.

d. *Quantity discounts.* Quantity discounts should be included in the price of the item.

e. *Retailers Occupational Tax.* Bidders should not include Retailers' Occupation Tax or Use Tax in their quotations. Receipts from sales to the University of Illinois are exempt from Retailers' Occupation Tax Act and Use Tax Act.

f. *Unit price governs.* In case of a mistake in the extension of a price, the unit price shall govern.

g. *Awards of any or all items.* An award may be made to the lowest aggregate bidder for all items or on an item basis, whichever is found to be in the best interest of the University.

h. *Tie bids.* If two or more bids meeting the specifications and other requirements of the invitation to bid are tied for low price, the bids will be treated as follows:

- (1) If there is no significant difference in the responsibility of the bidders, but there is a difference in the quality of the commodities or equipment offered, the bid offering the best quality will be accepted.
- (2) If there is a significant difference in the responsibility of the bidders (including ability to deliver in the quantity and at the time required), the award will be made to the bidder who is deemed to be the most responsible.
- (3) If there is no significant difference in the responsibility of the bidders and no difference in the quality of the items offered, the bid offering the earliest delivery time will be accepted in any case in which the invitation to bid specified that the needs of the University require as early delivery as possible. In all other cases, delivery time will not be considered in making awards so long as the bidder states he will deliver not later than the time specified in the invitation to bid as the latest acceptable delivery time.
- (4) If everything is equal, except that some of the bidders are not from Illinois, preference will be given to the Illinois bidders. The term "Illinois bidders" includes individual bidders who reside or do business in Illinois, corporations organized under the laws of Illinois, and corporations organized in other states but authorized to transact business in Illinois. An additional preference may also be given in such cases to Illinois bidders offering commodities or equipment grown or produced in Illinois.
- (5) If the bids quoting the same price are equal in every respect, the award may be made by lot to one or more of the low bidders; or, if feasible, may be split equally among all the low bidders if, in the judgment of the Purchasing Official or Physical Plant Department, this will not lead to any limitation of competition among bidders and is in the best interest of the University of Illinois.

SECTION 13. REJECTION OF BIDS

a. *Non-responsive bids.* Any bid which does not meet the requirements of the invitation to bid or does not comply with the provision of this regulation may be rejected.

b. *Alterations and erasures.* Bids containing any material alteration or erasure may be rejected unless the change is initialed by the bidder.

c. *Responsibility of the bidder.* The University may at any time make a supplementary investigation as to the responsibility of any bidder, even though the bidder is on a bidders list. This may include investigation of financial responsibility, capacity to produce or sources of supply, performance record in the business or industry, ability to provide required maintenance service, and other matters relating to the bidder's probable ability to deliver in the quantity and at the time required under the contract if it is awarded to him. The University may require the submission of written statements from the bidder or other persons concerning any such matters.

If the University concludes on the basis of all available evidence that a particular bidder appears not to be sufficiently responsible to assure adequate performance if the contract were awarded to him, his bid will be rejected even if it is the lowest bid.

If in the judgment of the University there is some question about the responsibility of the low bidder but the interest of the University of Illinois would be adequately protected by the filing of a performance bond of the kind described in section 16 below or the deposit of a certified check as security for performance, he may require the low bidder to file such a bond or deposit such a check whether or not it was provided for in the invitation to bid, and upon the filing of the bond or deposit of the check may make the award to the low bidder.

d. *Contracts in which members of the General Assembly, certain state officers or employees, or any member of the Board of Trustees or employees of the University of Illinois have interest are prohibited.* Any bid the acceptance of which would result in any of the following prohibited types of contracts will be subject to rejection:

- (1) The Constitution of the State of Illinois provides that no member of the General Assembly shall be interested, directly or indirectly, in any state contract authorized by any law (including any appropriations statute) passed during the term for which he was elected or within one year after the end of such term.
- (2) The Constitution also provides that no member of the General Assembly or other officer of the State shall be interested, directly or indirectly, in any State contract for the purchase of fuel.
- (3) The laws of the State of Illinois provide that no elective state officer or no member of the General Assembly or any person employed in any of the offices of the state government or the wife, husband, or minor child of any such person shall have, acquire, obtain, or hold any contract which will be wholly or partly satisfied by the payment of funds appropriated by the General Assembly of the State of Illinois, nor shall any such person have, acquire, obtain, or hold any direct pecuniary interest in any such contract.
- (4) In addition, the laws of the State of Illinois provide that it is unlawful for any firm, partnership, association, or corporation from which any such person as described in (3) above, shall be entitled by contract, stock ownership, or otherwise to receive more than 7½ per cent of the total distributable income thereof, to have, acquire, obtain, or hold any such contract or direct pecuniary interest therein.
- (5) In addition, the laws of the State of Illinois provide that it shall be unlawful for any firm, partnership, association, or corporation from which any such person as described in (3) above, together with his or her wife or husband, or minor child or children, or any of them shall by contract, stock ownership, or otherwise be entitled to receive, in the aggregate, more than 15 per cent of the total distributable income thereof to have, acquire, obtain, or hold any such contract or direct pecuniary interest therein.
- (6) The laws of the State of Illinois provide that no member of the Board of Trustees of the University of Illinois shall be directly or indirectly interested in any contract to be made by said Board for any purposes whatsoever.
- (7) Also, as a matter of University policy, no contract will be awarded to a firm, partnership, association, or corporation the owner or principal owners or major officers of which are officers or employees of the University of Illinois.

e. *Attempt to influence award.* No person on a bidders' list or who submits or intends to submit a bid shall give or offer to give, directly or indirectly, any money, article, or other thing of value to any officer or employee of the University of Illinois, with an intent to influence said officer or employee of the University of Illinois.

If any person makes or offers to make a gift such as prohibited by this paragraph, all bids, submitted by him, will be rejected and the bidder will be barred from further bidding for a period of time fixed by the Purchasing Official or Physical Plant Department. (Also see section 20b(1) below, concerning cancellation of contracts obtained by unlawful means.)

f. *Collusive bids.* If in the judgment of the Purchasing Official or the Physical Plant Department there is reasonable ground to believe that there is an agree-

ment among certain of the bidders, or between them and certain prospective bidders, to restrain the bidding by establishing a fixed price or by any other means, the bids of all such bidders will be rejected, and the bidders and prospective bidders will be barred from further bidding for a period of time fixed by the Purchasing Official or Physical Plant Department. (Also see section 20b(1) below.)

g. *Rejection of all bids.* If in the judgment of the Purchasing Official or the Physical Plant Department it is in the best interest of the University of Illinois, all bids may be rejected, and notice sent to the low bidder.

SECTION 14. BINDING CONTRACT WITH THE UNIVERSITY

a. *Purchase order.* After the lowest and best acceptable bid has been determined, the University will send the successful bidder a purchase order or a formal contract accepting his bid.

b. *Binding on bidder.* The University's acceptance of a bidder's offer by the issuance of a purchase order or submission of a formal contract will create a binding contract covering the following:

- (1) All the specifications, terms, and conditions in the invitation to bid and the bid form.
- (2) The provisions of this regulation.
- (3) The bidder's price and terms of payment.

The successful bidder must perform in accordance with the contract so made, or he will be liable to the University for any damages caused it by his breach of contract.

c. *No changes impairing rights of University permitted.* After the contract between the successful bidder and the University has been entered into by the issuance of a purchase order or contract, no material changes (such as a substitution or a price adjustment) may be made in its terms and conditions. This provision shall not prohibit the minor addition, deletion, or changing of work on construction contracts so long as such a change is agreeable to both parties, is approved by a licensed architect or engineer, and the price is appropriately adjusted.

SECTION 15. SMALL SUPPLEMENTARY PURCHASES

a. *Conditions on which permitted.* When the Purchasing Official issues a purchase order for a particular item after following the above bidding procedure, he may at any time within thirty days thereafter, issue a second purchase order to same vendor, or an amendment to the original order for an additional quantity of the same item, at the price and on the same terms and conditions, if:

- (1) He determines from the vendor that the purchase order will be accepted if issued;
- (2) He finds that the market price of the commodity or equipment in question has not gone down since the first purchase; and
- (3) The amount of the second or additional purchase is not of such magnitude as to constitute a substantial or material variation of the first purchase or original contract.

b. *Only one such purchase permitted.* The Purchasing Official will not issue more than one such supplementary purchase order or amendment for a particular item without repeating the bidding procedure.

Performance by Successful Bidder

SECTION 16. PERFORMANCE BOND

a. *May be required.* The University shall have the right to require that the successful bidder shall file a "Performance Bond" in a designated amount and written by a Surety Company acceptable to the University, whenever it shall appear to be in the best interest of the University to do so. It may be required that the Bond be filed within a specified number of days after the award is made or the contract shall be cancelled and the vendor or contractor shall be liable for any damages caused the University by his failure to file the bond.

b. *Amount.* Such Performance Bond may be required in any amount up to 100 per cent of the amount of the contract, depending upon the nature of the transaction.

c. *Surety required.* In addition to signing the bond as principal, the successful bidder must have the bond signed by a Surety Company authorized to do business

in the State of Illinois. If the surety on the bond has its authority to do business in this State revoked or if for any reason it withdraws from doing business in this State, the bidder must promptly obtain another surety on the bond.

d. *Condition of bond.* The bond shall be conditioned on full performance of all obligations imposed on the bidder by the contract with the University. It shall provide that if the bidder fails to perform any of such obligations the University of Illinois may recover from the bidder and the surety (or either of them) any and all damages suffered because of the breach of contract.

e. *Source of supply may also be required to file bond.* If the bidder does not have a stock of the commodity or equipment in question in the amount asked for, nor facilities to produce the item in such amount, the University may in addition require the source of supply to file a Performance Bond, with surety, conditioned on such source supplying the bidder as stated in the bid.

SECTION 17. DELIVERIES UNDER THE CONTRACT

a. *Upon order.* Deliveries shall be made upon the written order of the Purchasing Official or as stated in a contract at the times and in the amounts specified in the Invitation to Bid and in such orders for delivery. Acceptance of any late deliveries shall not constitute a waiver of any of the rights of the University under its contract with the vendor.

b. *Delivery point.* All deliveries shall be made to the point or points specified in the Invitation to Bid.

SECTION 18. INSPECTION

a. *All deliveries subject to inspection.* Any commodities or equipment that fail in any respect, for example, (1) to meet the specifications, (2) to conform to the vendor's samples, or (3) are not in good condition when delivered, will be subject to rejection.

b. *Notice to vendor or contractor.* Notice of any such rejection based on defects that should be disclosed by ordinary methods of inspection will be given to the vendor or contractor within a reasonable time after delivery of the item. Notice of latent defects which would make the items unfit for the purpose for which they are required may be given by the University at any time within one year after delivery.

c. *Vendor or contractor must remove rejected items.* The vendor or contractor may be required to remove immediately, at his own expense, any items rejected by the University. If he fails to remove the items, the University may sell them and remit the proceeds of the sale (less any expenses incurred in the sale) to the vendor or contractor.

d. *Inspection at source.* In some cases the University may require that the vendor or contractor permit inspection of the commodities or equipment at the factory, plant, or other establishment where they are produced or grown.

e. *Other rights of University.* Nothing contained herein shall be construed to limit in any way any rights the University may have under any law, including the Uniform Sales Act, applicable to any transaction covered by these regulations.

SECTION 19. ASSIGNMENTS BY SUCCESSFUL BIDDER

Contract non-assignable without approval. Because the responsibility of the individual bidder is an essential element of his contract with the University, a person to whom such a contract has been awarded may not assign his interest in the contract, or any funds becoming due to him thereunder, without the prior consent in writing, of the University.

SECTION 20. CANCELLATION OF CONTRACT BY THE UNIVERSITY AND COMPENSATION FOR DAMAGES

a. *Cancellation for breach of contract.* In any of the following cases the University shall have the right to cancel any contract entered into under this regulation without prejudice to any other right or remedy the University may have:

- (1) In the event the successful bidder fails to sign a written contract promptly after submission to him, or to furnish a satisfactory performance bond within the time specified.
- (2) In the event vendor or contractor fails to make delivery at the place or within the time specified in the contract or ordered by the University.

- (3) In the event any commodities or equipment delivered under the contract are rejected (for the reasons, among others, that they do not meet specifications, do not conform to sample, or are not in good condition when delivered) and are not promptly replaced by the vendor. If there are rejections of the vendor's commodities or equipment this shall be ground for cancellation even though the vendor offers to replace the items promptly.
 - (4) In the event the vendor is guilty of such serious misrepresentation (for example, misbranding of food or drugs) in connection with the contract or another contract for the sale of commodities or equipment to the University that he cannot reasonably be depended upon to fulfill his obligations as a responsible vendor under any of his contracts with the University.
 - (5) In the event that the contractor for construction work fails to make payments to his laborers, materialmen, or sub-contractors as provided in the contract.
 - (6) In the event of any other breach of contract by the vendor or contractor.
- b. *Cancellation for fraud, collusion, illegality, etc.* The University may cancel any contract entered into under these regulations if, in its judgment, there is sufficient evidence to show that:
- (1) The contract was obtained by fraud, collusion, conspiracy, or other unlawful means, or;
 - (2) The contract conflicts with any statutory or Constitutional provision of the State of Illinois or of the United States, or with provisions of Section 13d of these regulations.
- c. *Withholding moneys to compensate University for damages.* If a contract is cancelled under paragraph a or b above, the University may deduct from a bid deposit or from whatever is owed the vendor on that or any other contract an amount sufficient to compensate the University for any damages suffered by it because of the vendor's breach of contract or other unlawful act on his part on which the cancellation is based.
- d. *Damages.* The damages for which the University may be compensated as provided in paragraph c above or by a suit on the vendor's or contractor's performance bond or by other legal remedy shall include, among others:
- (1) The additional cost of commodities or equipment bought elsewhere;
 - (2) The additional cost of completing the work called for under the contract;
 - (3) Cost of repeating the bidding procedure;
 - (4) Any expenses incurred because of delay in receipt of commodities or equipment, or any expenses incurred because of delays in completion of construction, renovation or rehabilitation work;
 - (5) Any other damages caused by the breach of contract or unlawful act.
- e. *Barred from further bidding.* Any bidder may be suspended for not more than one year for violation of these regulations or for failure to conform to specifications or terms of delivery.

SECTION 21. SUBMISSION OF DELIVERY INVOICE-VOUCHERS FOR PURCHASES

a. *Invoice-voucher form furnished by University in connection with purchases.* To bill the University in connection with a purchase, the vendor must fill out the University's delivery invoice-voucher form. At the time the vendor delivers the commodities or equipment the vendor should submit all copies as directed on the delivery invoice-voucher; the vendor will receive a copy for his files as indicated on the delivery invoice-voucher.

b. *Detailed description of commodities or equipment.* The delivery invoice-voucher should give a complete and detailed description of the commodities or equipment delivered.

c. *Partial payments.* If more than one shipment is required under a purchase order or agreement, the University may make partial payment of the contract price as it receives the vendor's delivery invoice-vouchers relating to the separate deliveries.

d. *Computation of cash discounts.* If the vendor allows a cash discount, the period of time in which the University must make payment to qualify for the dis-

counts will be computed from the date the University (1) receives the delivery invoice-voucher (correctly filled out) or (2) receives and officially accepts the commodities or equipment, whichever is later. In addition, if any commodities or equipment are rejected, all time from the mailing of the notice of rejection to the acceptance of items delivered shall be excluded from the discount period.

e. *Certification required.* Each vendor or contractor must execute a certification. This certification which includes the statement required by Section 11 of the Illinois Purchasing Act, requires the signature of "Seller or Authorized Agent," and it must be in ink or indelible pencil. The signature of an individual is required and it will not be sufficient to sign merely the name of the company or the partnership. If an officer or authorized representative signs for a vendor or contractor the title of that officer or the agency of the representative should be indicated on the certification. It will be conclusively presumed by the University that the individual signing the certification is properly authorized so to do.

SECTION 22. SUBMISSION OF CONTRACTORS' STATEMENTS FOR CONSTRUCTION WORK

a. *Request for Payment form furnished by University.* To bill the University for remodeling, renovation, or construction work done, the contractor must fill out the University of Illinois Request for Payment form.

b. *Certification by licensed architect or engineer.* Any contract for remodeling, renovation, or construction, involving an expenditure in excess of \$2,500, shall be subject to the supervision of a licensed architect or engineer and no payment shall be paid for such remodeling, renovation, or construction unless the voucher for such work is accompanied by a written certificate of such licensed architect or engineer that the payment represents work satisfactorily completed, labor, or materials incorporated in or stored at the site of such work.

c. *Periodic payments.* When provided in the contract, periodic payments can be made during the course of such work upon a certificate of a licensed architect or engineer, indicating the proportionate amount of the total work completed satisfactorily.

d. *Retained percentage.* When periodic payments are made, the University shall retain a fixed percentage, specified in the contract, to insure faithful completion of the contract.

Other Procedures

SECTION 23. WHEN THIS PROCEDURE MAY BE WAIVED BY PURCHASING OFFICIAL

a. *Commodities, equipment, or services not subject to competition.* In the following cases the Purchasing Officials may issue a purchase order directly without following the procedure described above relating to bids, advertisements for bids, and invitations to bids:

- (1) Where the goods or services to be procured are economically procurable from only one source, such as contracts for telephone service, electrical energy, and other public utility services, books, pamphlets and periodicals, and specially designed business equipment.
- (2) Where the services required are for professional, technical, or artistic skills.
- (3) Where the contract is for the purchase of supplies, materials, commodities, and equipment involving an expenditure not to exceed \$1,500.
- (4) Where the contract is for repairs, maintenance, remodeling, renovation, or construction involving an expenditure not to exceed \$1,500.
- (5) Where the cost of any item is so small as to make competitive bidding impractical.

b. *Emergency.* If emergency circumstances make it administratively unfeasible for the Purchasing Official to follow exactly the procedure described in this purchasing regulation, and if it is in the best interest of the University of Illinois, the Purchasing Official need not comply with all of these regulations. However, an affidavit shall be filed with the Auditor-General of the State of Illinois within ten days after the purchase setting forth the conditions and circumstances requiring the emergency purchase.

SECTION 24. RIGHTS TO APPEAL

Any decision rendered by the Purchasing Official or Physical Plant Department pursuant to this regulation may be appealed to the Vice-President and

Comptroller of the University by filing a written statement setting forth all the facts and circumstances together with the basis for making such appeal. By agreement with the Vice-President and Comptroller a further appeal may be made to the Board of Trustees.

Technical Provisions

SECTION 25. DEFINITIONS

a. *University*. As used herein, "University" shall refer to the Board of Trustees of the University of Illinois. Any actions taken by any officer of the Board or by the President, Vice-President and Comptroller, Business Manager, Director of the Physical Plant, Purchasing Official, University Architect, Superintendent of Buildings and Grounds, or by the authorized agent of any of these persons, shall be considered as acts of the University within the provisions of these regulations.

b. *Purchasing Official*. As used herein, "Purchasing Official" means the Director of Purchases on the Urbana-Champaign campus, the Purchasing Agent for the Chicago Departments, including the Chicago Undergraduate Division and the Division of Services for Crippled Children, or any person duly delegated to act in behalf of the Director of Purchases or the Purchasing Agent. For the acquisition of library books, the Acquisition Librarian is authorized to act as a purchasing official. Vendors should not accept statements of other University staff members without ascertaining that they are duly authorized representatives of a Purchasing Official.

c. *Physical Plant Department*. As used herein, "Physical Plant Department" refers to the Director of the Physical Plant or the University Architect on the Urbana-Champaign campus or the Superintendent of Buildings and Grounds for the Chicago divisions.

d. *Bidder*. "Bidder" means any person who intends to submit a bid for a contract with the University, or who submits such a bid.

e. *Person*. "Person" means and includes any individual, firm, partnership, corporation, association, or other unit.

f. *Pronouns construed*. The pronouns "he," "his," and "him" shall be construed to mean the appropriate pronoun form (depending on the context) applicable to the person in question. For example, "he," "his," and "him" shall be read as "they," "their," and "them" if the bidder is a partnership, or the appropriate form of "it" if the bidder is a corporation.

g. *Cash discounts*. "Cash Discount" is a discount or an allowance deductible from the total amount of the invoice for payment within a specified number of days.

h. *Trade discounts*. "Trade Discount" is a special discount allowed by the bidder to special classes of purchasers.

i. *Quantity discounts*. "Quantity Discount" is a discount allowed by the bidder for specified quantities of the item.

SECTION 26. EFFECTIVE DATE

These regulations, approved April 17, 1958, shall become effective on June 1, 1958. They shall apply to all bids submitted in response to invitations to bid sent out by the University on or after the latter date. A certified copy of these regulations has been filed with the Secretary of State.

SECTION 27. AUTHORITY FOR THESE REGULATIONS

These regulations are issued by the Board of Trustees of the University of Illinois in accordance with the provisions of Illinois Revised Statutes (1957), Chapter 127, Sections 132.1 through 132.12. The right is reserved to rescind or amend these regulations in whole or in part at any time without notice. No such rescission or amendment shall be effective, however, until such rescission or amendment has been filed with the Secretary of State.