

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

January 12, 1967



The January meeting of The Board of Trustees of the University of Illinois was held in the Chicago Circle Center, Chicago, Illinois, on Thursday, January 12, 1967, beginning at 10:30 a.m.

President Howard W. Clement called the meeting to order and asked the Secretary to call the roll. The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Mr. Theodore A. Jones and Governor Otto Kerner were absent. Trustees-elect Donald R. Grimes and James A. Weatherly attended as guests.

Also present were President David D. Henry; Executive Vice-President and Provost Lyle H. Lanier; Chancellor Norman A. Parker, University of Illinois at Chicago Circle; Chancellor Joseph S. Begando, University of Illinois at the Medical Center; Mr. C. S. Havens, Director of the Physical Plant; Mr. C. E. Flynn, Assistant to the President and Director of Public Information; Mr. James J. Costello, Legal Counsel; Mr. George H. Bargh, Executive Assistant to the President; Mr. Vernon L. Kretschmer, Associate Director of the Physical Plant; Mr. Glenn Terrell, Dean of Faculties, Chicago Circle; Mr. James B. Holderman, Assistant to the Chancellor, Chicago Circle; Mr. R. C. Wicklund, Staff Associate in the Board of Trustees Office and Assistant Secretary of the University; Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and officers of the Board, Mr. H. O. Farber, Comptroller, and Mr. Earl W. Porter, Secretary.

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.

PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

BUDGET FOR 1967 SUMMER SESSION AND FACULTY APPOINTMENTS, URBANA

(1) Submitted herewith are the budget and appointments to the faculty for the 1967 Summer Session at Urbana-Champaign from June 19 to August 12, 1967.

The distribution of the budgeted funds is as follows:

Salaries.....	\$1 331 606 00
Reserve.....	64 089 00
<i>Total</i>	(1 395 695 00)
Wages and Expense.....	44 305 00
Administration.....	\$ 4 500 00
Departmental.....	39 805 00
<i>Total Budget</i>	\$1 440 000 00

Salaries of members of the University faculty recommended for summer session appointments are computed on the basis of the standard formula: two-ninths of the salary of the academic year for eight weeks of service, with proportionate amounts for shorter periods or for part-time service. The appointments being recommended include a number of visiting lecturers from other colleges and universities at the salaries indicated.

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 and adjustments and additional appointments as are necessary in accordance with the needs of the University within the allocations of funds indicated.

On motion of Mr. Williamson, these appointments and the summer session budget for Urbana for 1967 were approved, and authority was given as requested; this action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Governor Kerner.

	<i>Per Cent Time</i>	<i>Summer Salary</i>
Accountancy		
1. Edwin J. DeMaris, Professor.....	50	\$ 2 089 00
2. Robert I. Dickey, Professor.....	50	2 178 00
3. R. K. Mautz, Professor.....	50	2 589 00
4. William E. Thomas, Jr., Professor.....	100	3 445 00
5. Gerald D. Brighton, Associate Professor.....	50	1 523 00
6. Frederick L. Neumann, Assistant Professor.....	100	2 423 00
7. Charles Weber, Assistant Professor.....	100	2 445 00
8. Nancy A. Desmond, Instructor.....	100	1 378 00
9. _____.....	100	4 223 00
10. _____.....	100	3 467 00
11. _____.....	100	3 334 00
12. _____.....	50	1 267 00
		(30 361 00)
Advertising		
1. S. Watson Dunn, Professor.....	100	\$ 3 778 00
2. James E. Moyer, Associate Professor.....	100	3 034 00
		(6 812 00)

	<i>Per Cent Time</i>	<i>Summer Salary</i>
Anthropology		
1. Edward M. Bruner, Professor.....	50	\$ 1 973 00
2. Demitri B. Shimkin, Professor.....	50	1 973 00
3. David B. Eyde, Assistant Professor.....	100	2 112 00
4. Charles J. Bareis, Instructor.....	100	1 889 00
5. _____, Visiting Lecturer.....	100	2 532 00
6. _____, Visiting Lecturer.....	50	1 375 00
7. 3.5 FTE Assistants.....		3 581 00
		(15 435 00)
Architecture		
1. Gabriel Guevrekian, Professor.....	100	\$ 4 089 00
2. Robert J. Smith, Professor.....	100	4 223 00
3. Carlos T. Marfort, Associate Professor.....	100	2 823 00
		(11 135 00)
Art		
1. Charles A. Dietemann, Professor.....	67	\$ 2 223 00
2. W. F. Doolittle, Professor.....	67	2 637 00
3. Donald E. Frith, Professor.....	100	2 623 00
4. James D. Hogan, Professor.....	67	2 045 00
5. Raymond Perlman, Professor.....	100	3 023 00
6. Mark Sprague, Professor.....	100	3 023 00
7. Edward J. Zagorski, Professor.....	67	2 223 00
8. _____, Associate Professor.....	67	1 571 00
9. William J. Baron, Assistant Professor.....	100	2 245 00
10. Harry F. Breen, Jr., Assistant Professor.....	67	1 482 00
11. Frank E. Gunter, Assistant Professor.....	67	1 275 00
12. Hal Brandes, Instructor.....	100	1 778 00
13. Norman P. Gambill, Instructor.....	100	1 667 00
14. Thomas G. Kovacs, Instructor.....	67	1 112 00
15. _____, Instructor.....	67	1 112 00
16. _____, Visiting Lecturer.....	67	2 500 00
17. Wayne Begley, Visiting Lecturer.....	50	933 00
(See South Asian Program).....	(50)	(934 00)
(Total salary).....		(1 867 00)
(School of Art, University of Iowa, Iowa City, Iowa 52240)		
		(33 472 00)
Astronomy		
1. Stanley P. Wyatt, Jr., Professor.....	50	\$ 1 634 00
2. Elaine Avner, Visiting Lecturer.....	50	934 00
3. 1.0 FTE Assistant.....		1 023 00
		(3 591 00)
University of Illinois Bands		
1. Everett D. Kisinger, Assistant Director.....	50	\$ 1 545 00
(See Music).....	(25)	(773 00)
(Total salary).....		(2 318 00)
		(1 545 00)
Botany		
1. Zane B. Carothers, Associate Professor.....	100	\$ 2 334 00
2. Tommy L. Phillips, Associate Professor.....	100	2 367 00
3. _____, Visiting Lecturer.....	100	1 800 00
4. 1.5 FTE Assistants.....	50	1 535 00
		(8 036 00)
Graduate School of Business Administration		
1. Helmy H. Baligh, Associate Professor.....	100	\$ 2 645 00
2. Daniel M. Slate, Associate Professor.....	100	3 556 00
3. Hans J. Zimmermann, Associate Professor of Industrial Administration.....	100	2 712 00

	<i>Per Cent Time</i>	<i>Summer Salary</i>
4. Michael Sovereign, Assistant Professor of Industrial Administration.....	100	2 467 00
5. Cyril E. Zoerner, Jr., Assistant Professor.....	100	2 245 00
6. —————, Visiting Lecturer.....	100	2 445 00
		(16 070 00)

Business Education

1. Writesman Long, Visiting Lecturer.....	100	\$ 2 040 00
(1 Andrews Court, Bradley, Illinois 60915)		(2 040 00)

Ceramic Engineering

1. Ralph L. Cook, Professor.....	25	\$ 962 00
2. A. L. Friedberg, Professor.....	25	1 084 00
		(2 046 00)

Chemistry and Chemical Engineering

1. Arnold M. Hartley, Associate Professor.....	100	\$ 2 334 00
2. John L. Hudson, Assistant Professor.....	100	2 178 00
3. —————, Visiting Lecturer.....	100	4 000 00
4. —————, Visiting Lecturer.....	100	3 000 00
5. —————, Visiting Lecturer.....	100	2 750 00
6. —————, Visiting Lecturer.....	100	2 720 00
7. —————, Visiting Lecturer.....	100	2 720 00
8. —————, Visiting Lecturer.....	100	2 670 00
9. —————, Visiting Lecturer.....	100	2 500 00
10. —————, Visiting Lecturer.....	100	2 300 00
11. —————, Visiting Lecturer.....	100	2 160 00
12. —————, Visiting Lecturer.....	100	2 600 00
13. 10.0 FTE Assistants.....		11 321 00
		(43 253 00)

Child Development

1. Robert B. Smith, Associate Professor.....	50	\$ 1 112 00
(See Music).....	(50)	(1 112 00)
(Total salary).....		(2 224 00)
2. Collene B. King, Assistant Professor.....	100	1 600 00
3. —————, Visiting Lecturer.....	100	1 910 00
4. 2.0 FTE Assistants.....		2 182 00
		(6 804 00)

Civil Engineering

1. N. M. Newmark, Professor.....	25	\$ 1 534 00
2. R. A. Eubanks, Professor.....	60	2 400 00
3. Edwin H. Gaylord, Jr., Professor.....	50	1 834 00
4. William J. Hall, Professor.....	50	1 945 00
5. John D. Haltiwanger, Professor.....	70	2 178 00
6. William W. Hay, Professor.....	70	1 945 00
7. Herbert O. Ireland, Professor.....	70	2 023 00
8. Houssam M. Karara, Professor.....	50	1 389 00
9. Narbey Khachaturian, Professor.....	70	2 023 00
10. William H. Munse, Professor.....	45	1 750 00
11. Ralph B. Peck, Professor of Foundation Engineering.....	50	2 223 00
12. Chester P. Siess, Professor.....	50	2 000 00
13. T. H. Thornburn, Professor.....	70	2 178 00
14. Richard N. Wright III, Associate Professor.....	70	1 743 00
15. Mohammad Amin, Assistant Professor.....	70	1 432 00
16. Peter C. Birkemoe, Assistant Professor.....	25	500 00
17. L. T. Boyer, Assistant Professor.....	50	967 00
18. 1.50 FTE Assistants.....		2 000 00
		(32 064 00)

Classics

1. John J. Bateman, Associate Professor.....	75	\$ 2 084 00
2. Mark Naoumides, Associate Professor.....	100	2 334 00

	<i>Per Cent Time</i>	<i>Summer Salary</i>
3. ———, Assistant Professor (June 19 to July 1).....	100	484 00
4. Agnes Brandabur, Instructor.....	50	750 00
5. .75 Assistant		812 00
		(6 464 00)

Computer Science

1. T. A. Murrell, Associate Professor.....	100	\$ 2 800 00
2. Sylvian R. Ray, Associate Professor.....	34	845 00
3. 1.5 FTE Assistants.....		1 600 00
		(5 245 00)

Economics

1. Robert W. Harbeson, Professor.....	100	\$ 3 667 00
2. Donald R. Hodgman, Professor.....	67	2 816 00
3. Donald L. Kemmerer, Professor.....	67	2 519 00
4. W. A. Neiswanger, Professor.....	100	4 000 00
5. Dennis J. Aigner, Associate Professor.....	67	1 778 00
6. Robert W. Resek, Associate Professor.....	67	1 815 00
7. Franklin R. Shupp, Associate Professor.....	67	1 778 00
8. Janet Louise Weston, Associate Professor.....	100	2 000 00
9. Thomas A. Yancey, Associate Professor.....	100	2 856 00
10. 2.5 FTE Assistants.....		2 780 00
		(26 009 00)

Educational Administration and Supervision

1. Lloyd E. McCleary, Professor.....	100	\$ 3 445 00
2. Perry E. Miller, Professor.....	100	3 834 00
3. Fred M. Raubinger, Professor.....	100	4 000 00
4. M. R. Sumption, Professor.....	100	2 967 00
5. Harold G. Rowe, Jr., Assistant Professor.....	100	2 067 00
6. Thomas J. Sergiovanni, Assistant Professor.....	100	2 000 00
7. Owen L. Springer, Assistant Professor.....	100	2 223 00
8. ———, Visiting Lecturer.....	100	2 400 00
9. ———, Visiting Lecturer.....	50	1 200 00
		(24 136 00)

Educational Psychology

1. R. Stewart Jones, Professor.....	50	\$ 1 600 00
2. Wesley C. Becker, Professor of Psychology.....	100	3 489 00
3. G. M. Blair, Professor.....	100	2 823 00
4. Frank Costin, Professor of Psychology.....	100	2 812 00
5. Norman E. Gronlund, Professor.....	100	2 789 00
6. Clyde G. Knapp, Professor of Secondary and Continuing Education.....	100	2 689 00
7. T. Ernest Newland, Professor.....	100	2 656 00
8. Cecil H. Patterson, Professor.....	100	3 400 00
9. Ray H. Simpson, Professor.....	100	3 256 00
10. Maurice Tatsuoka, Professor.....	100	2 645 00
11. Alfred L. Brophy, Jr., Associate Professor.....	100	2 089 00
12. Henry R. Kaczkowski, Associate Professor.....	100	2 323 00
13. William R. Powell, Associate Professor of Elementary Education.....	50	1 356 00
(See Elementary Education).....	(50)	(1 356 00)
(Total salary).....		(2 712 00)
14. Dale E. Bennett, Assistant Professor of Elementary Education.....	50	1 056 00
(See Elementary Education).....	(50)	(1 056 00)
(Total salary).....		(2 112 00)
15. Daniel J. Delauey, Assistant Professor.....	100	2 223 00
16. Jo Ann Fley, Assistant Professor of Higher Education... (See Secondary and Continuing Education).....	50 (50)	1 167 00 (1 167 00)
(Total salary).....		(2 334 00)
17. Michael J. Masucci, Assistant Professor.....	100	2 167 00
18. Harold A. Moses, Assistant Professor.....	100	2 000 00

	<i>Per Cent Time</i>	<i>Summer Salary</i>
19. Charles K. West, Assistant Professor.....	100	2 223 00
20. Joseph Zaccaria, Assistant Professor.....	100	2 223 00
21. Rudolph Dreikurs, Visiting Lecturer..... (College of Medicine, University of Chicago, Chicago, Illinois)	100	3 200 00
22. Frank Warburton, Visiting Lecturer..... (University of Manchester, Manchester, England)	100	3 000 00
23. _____, Visiting Lecturer.....	100	3 200 00
24. _____, Visiting Lecturer.....	100	3 000 00
25. _____, Visiting Lecturer.....	100	2 800 00
26. _____, Visiting Lecturer.....	100	2 800 00
27. _____, Visiting Lecturer.....	100	2 800 00
28. _____, Visiting Lecturer.....	100	2 800 00
29. _____, Visiting Lecturer.....	100	2 800 00
30. _____, Visiting Lecturer.....	100	2 600 00
31. _____, Visiting Lecturer.....	100	2 400 00
32. _____, Visiting Lecturer (July 17 to August 12)...	100	1 600 00
33. _____, Visiting Lecturer.....	50	1 200 00
34. 4.5 FTE Assistants.....		5 303 00
		(86 489 00)

Electrical Engineering

1. George E. Anner, Professor.....	50	\$ 1 956 00
2. Willis L. Emery, Professor.....	100	3 956 00
3. G. H. Fett, Professor.....	100	4 178 00
4. M. S. Helm, Professor.....	100	3 023 00
5. Millard S. McVay, Professor.....	100	3 289 00
6. P. F. Schwarzlose, Professor.....	100	2 912 00
7. William G. Albright, Associate Professor.....	100	2 667 00
8. Roger W. Burtness, Associate Professor.....	100	3 089 00
9. Milton H. Crothers, Associate Professor.....	100	3 023 00
10. Paul R. Egbert, Associate Professor.....	100	2 712 00
11. Paul K. Hudson, Associate Professor.....	100	2 904 00
12. J. P. Neal, Associate Professor.....	50	1 423 00
13. Joseph M. Crowley, Assistant Professor.....	50	1 078 00
14. Arnold W. Dipert, Assistant Professor.....	50	1 012 00
15. John P. Gordon, Instructor.....	50	889 00
16. George E. Perrine, Instructor.....	50	623 00
17. Robert Richard Vallen, Instructor.....	100	1 245 00
18. _____,	100	3 000 00
19. 5.0 FTE Assistants.....		5 397 00
		(48 376 00)

Elementary Education

1. Fred P. Barnes, Professor.....	100	\$ 3 267 00
2. Mary D. Durkin, Professor.....	50	1 628 00
3. Kenneth M. Lansing, Professor of Art.....	100	2 734 00
4. John E. McGill, Professor.....	100	3 134 00
5. Walter J. Moore, Professor.....	100	2 834 00
6. J. H. Shores, Professor.....	100	4 000 00
7. Harold H. Lerch, Associate Professor.....	100	2 889 00
8. William R. Powell, Associate Professor..... (See Educational Psychology).....	50 (50)	1 356 00 (1 356 00)
(Total salary).....		(2 712 00)
9. Dale E. Bennett, Assistant Professor..... (See Educational Psychology).....	50 (50)	1 056 00 (1 056 00)
(Total salary).....		(2 112 00)
10. Clarence Phillips, Assistant Professor of Mathematics.... (See Mathematics).....	50 (50)	1 000 00 (1 000 00)
(Total salary).....		(2 000 00)
11. Ralph A. Smith, Assistant Professor.....	100	2 356 00

	<i>Per Cent Time</i>	<i>Summer Salary</i>
12. Charles M. Weller, Assistant Professor of Secondary and Continuing Education.....	100	2 289 00
13. _____, Instructor.....	50	800 00
14. Genevieve Langston, Visiting Lecturer..... (Eureka College, Eureka, Illinois)	100	2 500 00
15. _____, Visiting Lecturer.....	100	2 400 00
16. _____, Visiting Lecturer.....	100	2 400 00
17. _____, Visiting Lecturer.....	50	1 200 00
18. _____.....	100	1 500 00
19. _____.....	100	1 500 00
20. 6.5 FTE Assistants.....		7 944 00
		(48 787 00)

English

1. A. Lynn Altenbernd, Professor.....	50	\$ 1 767 00
2. Daniel Curley, Professor.....	50	1 400 00
3. Gwynne B. Evans, Professor.....	100	4 356 00
4. Donald Smalley, Professor.....	100	3 600 00
5. Harris W. Wilson, Professor.....	100	3 023 00
6. Katharine O. Aston, Associate Professor.....	50	1 189 00
7. Rocco L. Fumento, Associate Professor.....	50	1 167 00
8. Glenn P. Haskell, Associate Professor.....	50	1 167 00
9. Richard J. Loftus, Associate Professor.....	50	1 167 00
10. John T. Maguire, Associate Professor.....	50	1 256 00
11. Gardiner B. Stillwell, Associate Professor of Business and Technical Writing.....	50	1 167 00
12. Gary S. Adelman, Assistant Professor.....	50	1 012 00
13. Edward J. Brandabur, Assistant Professor.....	100	2 223 00
14. _____, Assistant Professor.....	100	2 156 00
15. _____, Assistant Professor.....	50	956 00
16. _____, Assistant Professor.....	50	956 00
17. John A. Hamilton, Assistant Professor.....	100	1 823 00
18. James R. Hurt, Assistant Professor.....	50	1 023 00
19. Mary A. Hussey, Assistant Professor.....	100	1 867 00
20. U. Milo Kaufmann, Assistant Professor.....	100	2 178 00
21. Kenneth Kinnamon, Assistant Professor.....	50	956 00
22. _____, Assistant Professor.....	100	2 067 00
23. Daniel T. Majdiak, Assistant Professor.....	50	956 00
24. Charles Sanders, Assistant Professor.....	50	1 000 00
25. Donald C. Stewart, Assistant Professor.....	50	956 00
26. John C. Stubbs, Assistant Professor.....	50	967 00
27. Arnold M. Tibbetts, Assistant Professor.....	50	1 023 00
28. Albert C. Tillman, Assistant Professor.....	50	934 00
29. Richard H. Wasson, Assistant Professor.....	50	1 045 00
30. David E. Whisnant, Assistant Professor.....	50	956 00
31. _____, Assistant Professor.....	100	1 956 00
32. Wilmer A. Lamar, Lecturer.....	50	1 200 00
33. Ralph Beckham, Instructor.....	50	834 00
34. Robert E. Chapdu, Instructor in Business and Technical Writing.....	50	789 00
35. Eloise C. Enata, Instructor.....	100	1 823 00
36. Robert P. Fox, Instructor.....	100	1 734 00
37. Rebecca G. Hohn, Instructor.....	50	678 00
38. Maria Keen, Instructor.....	100	1 489 00
39. Alan M. Koral, Instructor.....	50	867 00
40. _____, Visiting Lecturer.....	100	2 667 00
41. 3.0 FTE Assistants.....		3 410 00
		(63 760 00)

Entomology

1. Ellis G. MacLeod, Assistant Professor.....	100	\$ 2 223 00
		(2 223 00)

	Per Cent Time	Summer Salary
Finance		
1. Robert I. Mehr, Professor.....	100	\$ 4 334 00
2. William R. Bryan, Associate Professor.....	100	2 778 00
3. James A. Gentry, Assistant Professor.....	100	2 334 00
4. .75 FTE Assistant.....		768 00
		(10 214 00)
French		
1. Francois Jost, Professor.....	100	\$ 4 000 00
2. Paul E. Barrette, Associate Professor.....	50	1 167 00
3. Herbert C. De Ley, Jr., Associate Professor.....	50	1 167 00
4. Stanley E. Gray, Associate Professor.....	100	2 512 00
5. Edwin Jahiel, Associate Professor.....	50	1 323 00
6. Frederic M. Jenkins, Assistant Professor.....	100	2 189 00
7. Melvin K. Myers, Assistant Professor.....	50	1 267 00
(See Language Laboratory).....	(50)	(1 267 00)
(Total salary).....		(2 534 00)
8. Gabriel M. Savignon, Assistant Professor.....	100	1 923 00
9. Stanley L. Shinall, Assistant Professor.....	50	934 00
10. Ronald Campisi, Instructor.....	50	684 00
11. Patrick D. Persaud, Instructor.....	50	667 00
12. Ana Maria Sagi, Instructor.....	50	778 00
13. 6.0 FTE Assistants.....		6 192 00
		(24 803 00)
General Engineering		
1. Edward D. Ebert, Professor.....	50	\$ 1 445 00
2. Wayne L. Shick, Professor.....	50	1 389 00
3. Donald E. Scheck, Assistant Professor.....	100	2 445 00
4. Paul W. Steinbeck, Assistant Professor.....	50	978 00
5. Harrison Streeter, Assistant Professor.....	100	2 223 00
		(8 480 00)
Division of General Studies		
1. Sidney Rosen, Professor of Physical Science.....	100	\$ 2 889 00
2. Stafford H. Thomas, Assistant Professor of Verbal Communication.....	50	1 056 00
3. .5 FTE Assistant.....		512 00
		(4 457 00)
Geography		
1. John H. Garland, Professor.....	100	\$ 2 800 00
2. Howard G. Roepke, Professor.....	100	3 334 00
3. C. S. Alexander, Associate Professor.....	100	2 800 00
4. R. Warwick Armstrong, Assistant Professor.....	100	2 223 00
5. Clark I. Cross, Visiting Lecturer.....	100	2 750 00
(Department of Geography, University of Florida, Gainesville, Florida)		
6. 1.5 FTE Assistants.....		1 535 00
		(15 442 00)
Geology		
1. _____, Professor.....	100	\$ 3 600 00
2. _____, Associate Professor.....	100	2 600 00
3. _____, Associate Professor.....	100	2 600 00
4. W. Hilton Johnson, Assistant Professor.....	100	2 089 00
5. _____, Assistant Professor.....	100	2 200 00
6. _____, Assistant Professor.....	100	2 100 00
7. 2.0 FTE Assistants.....		2 046 00
		(17 235 00)
Germanic Languages and Literatures		
1. Ruth Lorbe, Associate Professor.....	50	\$ 1 167 00
2. Francis J. Nock, Associate Professor.....	100	2 667 00
3. _____, Associate Professor.....	100	3 334 00
4. Werner Abraham, Assistant Professor.....	100	1 867 00

	<i>Per Cent Time</i>	<i>Summer Salary</i>
5. Carol L. Miller, Assistant Professor.....	100	1 823 00
6. Gunther J. Holst, Instructor.....	100	1 689 00
7. ———, Instructor.....	100	1 689 00
8. Clayton Gray, Instructor.....	100	1 778 00
9. P. A. C. van den Bergh, Instructor.....	100	1 645 00
10. 4.75 FTE Assistants.....		5 278 00
		(22 937 00)

Health and Safety Education

1. Howard S. Hoyman, Professor.....	100	\$ 4 412 00
2. A. E. Florio, Professor.....	50	1 845 00
3. John Conley, Instructor.....	100	1 667 00
		(7 924 00)

History

1. Robert W. Johannsen, Professor.....	50	\$ 1 967 00
2. Edgar L. Erickson, Professor.....	100	2 800 00
3. Deno J. Geanakoplos, Professor.....	100	4 045 00
4. Raymond P. Stearns, Professor.....	100	4 134 00
5. John B. Sirich, Associate Professor.....	100	2 356 00
6. Bennett D. Hill, Assistant Professor.....	100	2 134 00
7. Richard E. Mitchell, Assistant Professor.....	100	2 000 00
8. J. K. Stevens, Visiting Lecturer.....	100	2 300 00
(6153 Primrose Avenue, Indianapolis, Indiana)		
9. A. E. Strickland, Visiting Lecturer.....	100	2 500 00
(9534 South Calumet Avenue, Chicago, Illinois 60628)		
10. 2.5 FTE Assistants.....		2 560 00
		(26 796 00)

History and Philosophy of Education

1. Harry S. Broudy, Professor of Philosophy of Education..	100	\$ 4 412 00
2. Joe R. Burnett, Professor of Philosophy of Education....	100	2 745 00
3. Walter V. Kaulfers, Professor of Secondary and Continuing Education.....	100	2 589 00
4. Adolphe E. Meyer, Visiting Professor of History of Education.....	100	3 334 00
5. B. Othanel Smith, Professor of Philosophy of Education..	50	2 223 00
6. W. O. Stanley, Professor of Philosophy of Education....	100	3 300 00
7. Foster McMurray, Associate Professor of Philosophy of Education.....	100	2 356 00
8. Barbara A. Yates, Assistant Professor of Comparative Education.....	100	2 045 00
9. Anastasios Kazepides, Visiting Assistant Professor of Education.....	100	2 000 00
10. LeRoi B. Daniels, Instructor.....	50	782 00
11. Robert E. Mason, Visiting Lecturer.....	100	3 300 00
(University of Pittsburgh, Pittsburgh, Pennsylvania)		
12. Donald Van Cleve, Visiting Lecturer.....	100	3 012 00
(The State University of New York, Albany, New York)		
13. Jerrold Coombs, Visiting Lecturer.....	100	2 224 00
(Faculty of Education, University of British Columbia, Vancouver, British Columbia, Canada)		
14. ———, Visiting Lecturer.....	100	3 000 00
15. ———, Visiting Lecturer.....	100	2 800 00
16. ———, Visiting Lecturer.....	100	2 800 00
17. 2.0 FTE Assistants.....		2 184 00
		(45 106 00)

Home Economics

1. Pearl Z. Janssen, Professor of Foods.....	75	\$ 2 050 00
2. Bette T. Schaffner, Assistant Professor of Foods.....	75	1 442 00

	<i>Per Cent Time</i>	<i>Summer Salary</i>
3. ———, Visiting Lecturer (June 19 to July 15).....	100	1 500 00
4. ———, Visiting Lecturer (July 17 to August 12)...	100	955 00
		(5 947 00)

Industrial Administration

1. Robert L. Black, Jr., Associate Professor of Business Law	100	\$ 2 678 00
2. David R. Day, Associate Professor.....	100	3 089 00
3. Danny J. Laughhunn, Instructor.....	100	2 334 00
4. 2.75 FTE Assistants.....		3 226 00
		(11 327 00)

Journalism

1. Jay W. Jensen, Professor.....	50	\$ 1 967 00
2. John H. Schacht, Associate Professor.....	50	1 423 00
		(3 390 00)

Landscape Architecture

1. Albert J. Rutledge, Assistant Professor.....	33	\$ 660 00
		(660 00)

Language Laboratory

1. Melvin K. Myers, Coordinator.....	50	\$ 1 267 00
(See French).....	(50)	(1 267 00)
(Total salary).....		(2 534 00)
2. .75 FTE Assistant.....		768 00
		(2 035 00)

Law*First Term (June 12 to July 19)*

1. Wylie H. Davis, Professor.....	100	\$ 3 584 00
2. Peter H. Hay, Professor.....	100	2 767 00
3. Jeffrey O'Connell, Professor.....	100	3 000 00
4. Victor J. Stone, Professor.....	100	2 850 00
5. David C. Baum, Associate Professor.....	100	2 250 00
6. Roger W. Findley, Associate Professor.....	100	2 334 00
7. Thomas D. Morgan, Assistant Professor.....	100	1 667 00
		(18 452 00)

Second Term (July 20 to August 26)

1. C. H. Bowman, Professor.....	100	3 100 00
2. Edward W. Cleary, Professor.....	100	4 167 00
3. George T. Frampton, Professor.....	100	3 834 00
4. Eugene F. Scoles, Professor.....	100	4 167 00
5. J. Nelson Young, Professor.....	100	4 167 00
6. Harry D. Krause, Associate Professor.....	100	2 334 00
7. ———, Assistant Professor.....	100	1 900 00
		(23 669 00)

Graduate School of Library Science

1. Harold Goldstein, Professor.....	100	\$ 3 223 00
2. Rolland E. Stevens, Professor.....	100	3 056 00
3. Oliver T. Field, Assistant Professor.....	100	2 756 00
4. Larry E. Bone, Instructor.....	100	1 645 00
5. Dewey E. Carroll, Instructor.....	50	1 167 00
6. ———, Instructor.....	50	667 00
7. Walter C. Allen, Visiting Lecturer.....	100	2 000 00
(Head, Literature and Fine Arts Division, Dayton Public Library, Dayton, Ohio 45402)		
8. Bob Murray, Visiting Lecturer.....	100	2 200 00
(66 Andrews Avenue, Jamestown, New York 14701)		
9. J. Elias Jones, Visiting Lecturer.....	100	2 000 00
(Director, Drake University Library, Des Moines, Iowa)		
10. Seymour Lubetzky, Visiting Lecturer (July 17 to August 12).....	100	2 000 00
(1417 Greenfield Avenue, Los Angeles, California 90025)		
11. T. R. Schellenberg, Visiting Lecturer (June 19 to July 15).....	100	1 200 00
(Route 1, Box 11, Broad Run, Virginia 22014)		
12. ———.....	100	2 200 00

	<i>Per Cent Time</i>	<i>Summer Salary</i>
13. _____	100	2 200 00
14. _____	100	2 400 00
15. _____	50	1 100 00
16. _____	50	1 100 00
17. 6.5 FTE Assistants		6 850 00
		(37 764 00)

Linguistics

1. J. F. Staal, Visiting Lecturer	50	\$ 1 333 00
(See South Asian Program)	(50)	(1 334 00)
(Total salary)		(2 667 00)
(Institute of Philosophy, University of Amsterdam, Amsterdam, The Netherlands)		
2. Theodore M. Lightner, Assistant Professor	100	2 000 00
3. Arnold M. Zwicky, Jr., Assistant Professor	50	1 112 00
		(4 445 00)

Marketing

1. Robert V. Mitchell, Professor	50	\$ 1 750 00
2. Fred M. Jones, Professor	50	1 562 00
3. Donald G. Frederick, Assistant Professor	50	1 317 00
4. David M. Gardner, Instructor	100	2 223 00
5. .50 FTE Assistant		756 00
		(7 608 00)

Mathematics

1. R. G. Langebartel, Professor	100	\$ 3 112 00
2. Edward J. Scott, Professor	100	3 000 00
3. Robert B. Ash, Associate Professor	100	2 534 00
4. William A. Ferguson, Associate Professor	100	2 667 00
5. J. William Peters, Associate Professor	100	2 778 00
6. James W. Armstrong, Assistant Professor	100	2 223 00
7. Geneva G. Belford, Assistant Professor	100	1 867 00
8. Henry R. Dowson, Visiting Assistant Professor	100	1 867 00
9. Vishwa C. Dumir, Assistant Professor	100	1 867 00
10. Robert P. Kaufman, Assistant Professor	100	1 867 00
11. J. Gopala Krishna, Assistant Professor	100	1 912 00
12. Chin-Pi Lu, Assistant Professor	100	1 867 00
13. Patricia T. Montague, Assistant Professor	100	1 912 00
14. Jurg Nievergelt, Assistant Professor	100	2 378 00
15. Pramod Pathak, Visiting Assistant Professor	100	2 112 00
16. Anthony L. Peressini, Assistant Professor	100	2 223 00
17. Clarence Phillips, Assistant Professor	50	1 000 00
(See Elementary Education)	(50)	(1 000 00)
(Total salary)		(2 000 00)
18. Donald R. Sherbert, Assistant Professor	100	2 000 00
19. David E. Blair, Instructor	100	1 334 00
20. Jeffrey M. Cooper, Instructor	100	1 400 00
21. Sean P. McDonagh, Instructor	100	1 778 00
22. Thomas G. Ralley, Instructor	100	1 545 00
23. Klaus Roggenkamp, Instructor	100	1 556 00
24. S. A. Amitsur, Visiting Lecturer	100	5 000 00
(Department of Mathematics, Hebrew University, Jeru- salem, Israel)		
25. Lyle H. Lanier, Jr., Visiting Lecturer	100	2 134 00
(Department of Mathematics, University of Virginia, Charlottesville, Virginia 22903)		
26. Guido Lehner, Visiting Lecturer	100	2 667 00
(Department of Mathematics, University of Maryland, College Park, Maryland 20742)		
27. David Rees, Visiting Lecturer	100	5 000 00
(Department of Mathematics, Reed Hall, Streatham Drive, Exeter, England)		

	<i>Per Cent Time</i>	<i>Summer Salary</i>
28. David W. Sharpe, Visiting Lecturer..... (Department of Pure Mathematics, The University, Sheffield 10, England)	100	2 000 00
29. 20.17 FTE Assistants.....		21 521 00 (85 121 00)
Mechanical and Industrial Engineering		
1. Eugene F. Hebrank, Professor.....	100	\$ 3 334 00
2. William L. Hull, Professor.....	50	1 778 00
3. Edwin D. Luke, Professor.....	100	3 112 00
4. James W. Bayne, Associate Professor.....	100	2 889 00
5. Ross P. Strout, Associate Professor.....	75	1 700 00
6. Carl S. Larson, Assistant Professor.....	75	1 667 00
7. S. Ramalingam, Instructor.....	50	856 00
8. Morse B. Singer, Instructor.....	50	1 056 00
9. Parker H. Badger, Lecturer.....	50	1 078 00
10. 1.0 FTE Assistant.....		1 101 00 (18 571 00)
Microbiology		
1. Joan McCamish, Assistant Professor.....	100	\$ 2 112 00
2. 2.5 FTE Assistants		2 558 00 (4 670 00)
Music		
1. Peter S. Farrell, Professor.....	50	\$ 1 267 00
2. Stanley Fletcher, Professor.....	100	3 512 00
3. Bruce R. Foote, Professor.....	100	3 889 00
4. John C. Garvey, Professor.....	67	1 837 00
5. Scott Goldthwaite, Professor.....	100	3 778 00
6. Charles E. Hamm, Professor.....	100	3 267 00
7. Mark H. Hindsley, Professor.....	33	1 163 00
8. King Kellogg, Professor.....	67	1 749 00
9. J. Robert Kelly, Professor.....	50	1 467 00
10. Hubert Kessler, Professor.....	50	1 889 00
11. Everett D. Kisinger, Professor..... (See University of Illinois Bands)..... (Total salary).....	25 (50)	773 00 1 545 00 (2 318 00)
12. Charles Leonhard, Professor.....	100	3 912 00
13. A. J. McDowell, Professor.....	100	2 867 00
14. Paul S. Pettinga, Professor.....	100	3 156 00
15. Robert H. Swenson, Professor.....	50	1 334 00
16. Grace E. Wilson, Professor.....	100	2 756 00
17. Ludwig Zirner, Professor.....	67	2 267 00
18. Andrew Morris Carter, Associate Professor.....	25	667 00
19. Willis R. Coggins, Associate Professor.....	50	1 106 00
20. Blaine E. Edleisen, Associate Professor.....	67	1 408 00
21. L. Thomas Fredrickson, Associate Professor.....	100	2 445 00
22. Robert E. Gray, Associate Professor.....	100	2 512 00
23. Thomas L. Holden, Associate Professor.....	50	1 034 00
24. C. J. Kleinsteinuber, Associate Professor.....	33	704 00
25. Edward J. Krolick, Associate Professor.....	33	719 00
26. Jack H. McKenzie, Associate Professor.....	50	1 189 00
27. William H. Miller, Associate Professor.....	100	2 356 00
28. Bruno Nettel, Associate Professor.....	100	2 467 00
29. Dean W. Sanders, Associate Professor.....	100	2 289 00
30. Robert B. Smith, Associate Professor..... (See Child Development)..... (Total salary).....	50 (50)	1 112 00 1 112 00 (2 224 00)
31. Endre G. Granat, Assistant Professor.....	50	1 112 00
32. Royal B. MacDonald, Assistant Professor.....	50	1 056 00
33. Robert W. Ruppel, Assistant Professor.....	67	1 319 00

	<i>Per Cent Time</i>	<i>Summer Salary</i>
34. Miriam W. Barndt, Instructor.....	100	1 467 00
35. Malcolm Bilson, Instructor.....	100	1 689 00
36. Virginia Farmer, Instructor.....	50	728 00
37. Sven H. Hansell, Instructor.....	50	823 00
38. Joan C. Levy, Instructor.....	100	1 645 00
39. Raymond J. Nutaitis, Instructor.....	50	834 00
40. M. E. Powell, Instructor.....	100	1 445 00
41. Herbert Kellman, Visiting Lecturer.....	100	2 223 00
42. ———, Visiting Lecturer.....	33	500 00
43. Allen Lannom, Visiting Lecturer.....	75	2 100 00
(Division of Music, Boston University, Boston, Massachusetts)		
44. ———, Visiting Lecturer.....	100	2 900 00
45. ———, Visiting Lecturer.....	100	2 600 00
46. ———, Visiting Lecturer.....	100	2 400 00
47. ———, ———.....		2 800 00
48. 5.0 FTE Assistants.....	500	5 115 00
		(93 647 00)

Nuclear Engineering

1. Marvin E. Wyman, Professor.....	50	\$ 2 245 00
2. George H. Miley, Associate Professor.....	70	1 929 00
3. Neil H. Schilmoeller, Assistant Professor.....	50	1 112 00
4. Bernard W. Wehring, Assistant Professor.....	50	1 000 00
5. .30 FTE Assistant.....		333 00
		(6 619 00)

Philosophy

1. O. A. Kubitz, Associate Professor.....	100	\$ 2 334 00
2. Harry M. Tiebout, Jr., Associate Professor.....	100	2 656 00
3. Hugh S. Chandler, Assistant Professor.....	100	2 000 00
4. James D. Wallace, Assistant Professor.....	100	2 000 00
5. Gerald Lilje, Instructor.....	100	1 334 00
6. Robert G. Wengert, Instructor.....	100	1 889 00
		(12 213 00)

Physical Education for Men

1. Earle F. Zeigler, Professor.....	100	\$ 3 834 00
2. T. K. Cureton, Jr., Professor.....	100	4 289 00
3. Alfred W. Hubbard, Professor.....	100	2 856 00
4. Guenther Lüschen, Visiting Associate Professor.....	50	1 389 00
(See Sociology).....		(50)
(Total salary).....		(2 778 00)
5. Harold J. VanderZwaag, Associate Professor.....	100	2 778 00
6. Arnold W. Flath, Assistant Professor.....	100	2 545 00
7. ———, Assistant Professor.....	33	808 00
8. Jack E. Razor, Assistant Professor.....	50	912 00
9. Paul M. Ribisl, Assistant Professor.....	75	1 250 00
10. Bradley L. Rothermel, Assistant Professor.....	75	1 334 00
11. Marianna Trekell, Assistant Professor.....	50	1 078 00
12. Robert L. Case, Instructor.....	40	587 00
13. Emory F. Luck, Instructor.....	42	710 00
14. Peter Magnabosco, Instructor.....	75	1 084 00
15. William J. Penny, Instructor.....	40	689 00
16. Carl R. Sloniger, Instructor.....	25	384 00
17. Bertram Gross, Visiting Lecturer (June 19 to June 30)....	100	1 250 00
(Department of Political Science, Maxwell Graduate School of Public Affairs, Syracuse University, Syracuse, New York 13210)		
18. A. Morgan Olsen, Visiting Lecturer (July 3 to July 14)....	100	1 400 00
(Grinibraten 4, Sandvika, Norway)		
19. ———.....	20	357 00
		(29 434 00)

	<i>Per Cent Time</i>	<i>Summer Salary</i>
Physical Education for Women		
1. Martha Aly, Assistant Professor.....	50	\$ 939 00
2. Marjorie M. Harris, Assistant Professor.....	75	1 400 00
3. Willis W. Ward, Jr., Assistant Professor.....	25	439 00
4. Marsha M. Paludan, Instructor.....	25	367 00
5. Mary H. Slaughter, Instructor.....	75	1 217 00
6. .50 FTE Assistant.....		520 00
		(4 882 00)
Physics		
1. ———, Visiting Lecturer.....	100	\$ 2 800 00
2. ———, Visiting Lecturer.....	100	2 800 00
3. ———, Visiting Lecturer.....	100	2 800 00
4. 1.5 FTE Assistants.....		1 650 00
		(10 050 00)
Physiology and Biophysics		
1. A. B. Taylor, Professor of Physiology.....	100	\$ 3 000 00
2. John D. Anderson, Professor of Physiology.....	50	1 445 00
3. 3.0 FTE Assistants.....		3 069 00
		(7 514 00)
Political Science		
1. Neil F. Garvey, Professor.....	100	\$ 3 045 00
2. Stephen P. Cohen, Instructor.....	100	1 978 00
3. Robert D. Heidorn, Visiting Lecturer.....	100	2 000 00
(Department of Government, University of Maine, Orono, Maine)		
4. ———, Visiting Lecturer.....	100	3 000 00
5. 1.5 FTE Assistants.....		1 535 00
		(11 558 00)
Psychology		
1. Donelson E. Dulany, Jr., Professor.....	100	\$ 3 000 00
2. William E. Kappauf, Professor.....	50	1 923 00
3. William H. Batchelder, Assistant Professor.....	50	1 000 00
4. Leslie B. Cohen, Assistant Professor.....	100	2 056 00
5. Arthur E. Whimbey, Assistant Professor.....	50	1 000 00
6. William R. Mead, Instructor.....	50	1 000 00
7. 2.0 FTE Assistants.....		2 048 00
		(12 027 00)
Recreation and Municipal Park Administration		
1. Allen V. Sapora, Professor of Recreation.....	100	\$ 3 734 00
2. Edward H. Storey, Professor of Recreation.....	100	3 162 00
3. Maxwell R. Garret, Associate Professor of Recreation....	100	2 756 00
4. Mary V. Frye, Assistant Professor of Recreation.....	50	1 045 00
5. Adah D. Parker, Assistant Professor of Recreation.....	100	2 334 00
6. ———, Instructor.....	100	2 000 00
		(15 031 00)
Secondary and Continuing Education		
1. John J. DeBoer, Professor.....	100	\$ 3 156 00
2. Lawrence E. Metcalf, Professor.....	100	3 412 00
3. David C. Epperson, Associate Professor of Higher Edu- cation.....	50	1 362 00
(See Vocational and Technical Education).....		(50)
(Total salary).....		(2 724 00)
4. Jo Ann Fley, Assistant Professor of Higher Education... (See Educational Psychology).....	50	1 167 00
(Total salary).....		(50)
(Total salary).....		(2 334 00)
5. Alan L. Madsen, Assistant Professor.....	100	1 934 00
6. Jerry L. Walker, Assistant Professor.....	100	2 556 00
7. ———, Visiting Lecturer.....	50	1 000 00
		(14 587 00)

	<i>Per Cent Time</i>	<i>Summer Salary</i>
Slavic Languages and Literatures		
1. Kurt Klein, Associate Professor.....	50	\$ 1 223 00
2. Temira Pachmuss, Associate Professor.....	50	1 278 00
3. Borys Bilokur, Instructor.....	100	1 334 00
4. _____, Visiting Lecturer.....	100	2 445 00
5. 1.0 FTE Assistant.....		1 023 00
		(7 303 00)
Sociology		
1. Daniel Glaser, Professor.....	50	\$ 1 912 00
2. Guenther Lüschen, Visiting Lecturer.....	50	1 389 00
(See Physical Education).....	(50)	(1 389 00)
(Total salary).....		(2 778 00)
3. _____, Visiting Lecturer.....	50	1 500 00
4. .75 FTE Assistant.....		768 00
		(5 569 00)
Spanish, Italian, and Portuguese		
1. W. H. Shoemaker, Professor.....	50	\$ 2 167 00
2. J. H. D. Allen, Professor.....	100	3 512 00
3. Joseph S. Flores, Professor.....	100	2 889 00
4. Luis Leal, Professor.....	100	3 512 00
5. Robert E. Lott, Associate Professor.....	100	3 334 00
6. S. W. Baldwin, Jr., Assistant Professor.....	100	2 000 00
7. Warren L. Meinhardt, Assistant Professor.....	100	2 000 00
8. _____, Instructor.....	100	1 867 00
9. 1.8 FTE Assistants.....		1 841 00
		(23 122 00)
Special Education		
1. Laura J. Jordan, Associate Professor.....	100	\$ 2 245 00
2. Adrian Durant, Visiting Assistant Professor.....	100	3 112 00
3. Alex Bannatyne, Principal Specialist in Education.....	100	2 667 00
4. Al Hirshorn, Visiting Lecturer.....	100	2 500 00
(DePaul University, Chicago, Illinois)		
5. _____.....	100	2 500 00
6. 2.0 FTE Assistants.....		2 400 00
		(15 424 00)
Speech and Theatre		
1. Halbert E. Gulley, Professor.....	50	\$ 1 806 00
2. Richard Murphy, Professor.....	50	1 700 00
3. Mary H. Arbenz, Associate Professor.....	50	1 167 00
4. Clara M. Behringer, Associate Professor.....	25	589 00
(See University Theatre).....	(75)	(1 767 00)
(Total salary).....		(2 356 00)
5. Kenneth Burns, Associate Professor.....	50	1 200 00
6. Otto A. Dieter, Associate Professor.....	50	1 167 00
7. Genevieve Richardson, Associate Professor.....	50	1 167 00
8. Thomas M. Scheidel, Associate Professor.....	50	1 389 00
9. Webster L. Smalley, Associate Professor.....	50	1 167 00
10. Willard R. Zemlin, Associate Professor.....	50	1 300 00
11. _____, Associate Professor.....	50	1 000 00
12. John C. Ahart, Assistant Professor.....	25	528 00
(See University Theatre).....	(75)	(1 584 00)
(Total salary).....		(2 112 00)
13. Robert D. Brooks, Assistant Professor.....	100	2 057 00
14. Gary L. Cronkhite, Assistant Professor.....	50	1 056 00
15. Joanna L. Hawkins, Assistant Professor.....	50	945 00
16. Robert L. Ince, Assistant Professor.....	50	1 000 00
17. Francis L. Nasca, Assistant Professor.....	50	917 00
18. Earl W. Stark, Assistant Professor.....	50	1 134 00
19. Joseph W. Wenzel, Assistant Professor.....	50	1 067 00

	<i>Per Cent Time</i>	<i>Summer Salary</i>
20. Nola Z. Deimer, Instructor.....	50	667 00
21. Roman E. Tymchyshyn, Instructor.....	50	923 00
(See University Theatre).....	(50)	(922 00)
(Total salary).....		(1 845 00)
22. _____, Instructor.....	50	667 00
23. .50 FTE Assistant.....	50	512 00
		(25 135 00)

Speech and Hearing Clinic

1. Naomi W. Hunter, Assistant Professor.....	100	\$ 1 823 00
2. Frances L. Johnson, Assistant Professor.....	100	2 034 00
3. Joan E. Good, Instructor.....	50	700 00
4. .50 FTE Assistant.....		512 00
		(5 069 00)

University Theatre

1. Clara M. Behringer, Associate Professor.....	75	\$ 1 767 00
(See Speech and Theatre).....	(25)	(589 00)
(Total salary).....		(2 356 00)
2. John C. Ahart, Assistant Professor.....	75	1 584 00
(See Speech and Theatre).....	(25)	(528 00)
(Total salary).....		(2 112 00)
3. Roman E. Tymchyshyn, Instructor.....	50	922 00
(See Speech and Theatre).....	(50)	(923 00)
(Total salary).....		(1 845 00)
4. D. Rae Krafft, Instructor.....	75	1 400 00
5. Don A. Llewellyn, Jr., Instructor.....	75	1 384 00
6. 3.0 FTE Assistants.....		3 069 00
		(10 126 00)

Theoretical and Applied Mechanics

1. Cletus E. Bowman, Professor.....	67	\$ 2 045 00
2. Paul Guy Jones, Professor.....	50	1 878 00
3. Clyde E. Kesler, Professor.....	25	956 00
4. Wallace M. Lansford, Professor.....	100	3 778 00
5. Omar M. Sidebottom, Professor.....	75	2 584 00
6. James O. Smith, Professor.....	75	3 134 00
7. Albert C. Bianchini, Associate Professor.....	50	1 134 00
8. George A. Costello, Associate Professor.....	50	1 267 00
9. Frederick G. Bauling, Assistant Professor.....	17	356 00
10. Donald E. Carlson, Assistant Professor.....	50	1 034 00
11. Russell S. Jensen, Assistant Professor.....	17	356 00
12. Leland K. Shirely, Assistant Professor.....	50	1 034 00
		(19 556 00)

Urban Planning

1. William I. Goodman, Professor.....	67	\$ 2 815 00
		(2 815 00)

Vocational and Technical Education

1. Elizabeth J. Simpson, Professor (July 17 to August 12)...	100	\$ 1 567 00
2. Emma B. Whiteford, Visiting Professor (June 19 to July 15).....	100	1 223 00
3. Robert A. Campbell, Associate Professor.....	100	2 712 00
4. David C. Epperson, Associate Professor of Higher Education.....	50	1 362 00
(See Secondary and Continuing Education).....	(50)	(1 362 00)
(Total salary).....		(2 724 00)
5. Mary E. Mather, Associate Professor (July 17 to August 12).....	100	1 112 00
6. Elizabeth R. Nelson, Associate Professor of Business Education.....	100	2 889 00
7. William J. Schill, Associate Professor.....	50	1 400 00
8. Robert A. Tinkham, Associate Professor.....	100	2 189 00
9. Hazel T. Spitze, Assistant Professor (June 19 to July 15).....	100	1 012 00

	<i>Per Cent Time</i>	<i>Summer Salary</i>
10. Robert M. Tomlinson, Assistant Professor (June 19 to July 15).....	100	1 356 00
11. Roland V. Stoodley, Instructor.....	100	2 000 00
12. Peter Johnson, Visiting Lecturer (July 17 to August 12)..	100	1 300 00
(Sycamore High School, Sycamore, Illinois)		
13. Anna Mahaffey, Visiting Lecturer.....	50	1 150 00
(R.R. 1, Sidney, Illinois 61877)		
		(21 272 00)

Zoology

1. Robert S. Bader, Professor.....	50	\$ 1 445 00
2. Ray L. Watterson, Professor.....	100	4 223 00
3. Max R. Matteson, Associate Professor.....	100	2 467 00
4. Peter S. Dawson, Assistant Professor.....	100	2 000 00
5. C. E. Hubert, Instructor.....	75	1 167 00
6. Donald K. Underhill, Instructor.....	75	1 000 00
7. 3.0 FTE Assistants.....		3 069 00
		(15 371 00)

Program in South Asian Studies

1. Braj B. Kachru, Assistant Professor of Linguistics (June 20 to August 25).....	100	\$ 2 640 00
2. Yamuna Kachru, Assistant Professor of Linguistics (June 20 to August 11).....	100	2 078 00
3. K. V. Subbarao, Instructor in Linguistics (June 20 to August 25).....	100	1 500 00
4. Wayne Begley, Visiting Lecturer (June 20 to August 11). (See Art).....	50 (50)	934 00 (933 00)
(Total salary).....		(1 867 00)
(226 West Rittenhouse Square, Philadelphia, Pennsylvania)		
5. J. F. Staal, Visiting Lecturer (June 20 to August 11)....	50	1 334 00
(See Linguistics).....		(50)
(Total salary).....		(2 667 00)
(Jac. Obrechtstraat 67, Amsterdam, The Netherlands)		
6. Helen E. Ullrich, Visiting Lecturer (June 20 to August 25) (1208 Woodcrest Lane, East Lansing, Michigan 48824)	50	1 112 00
7. Eleanor M. Zelliot, Visiting Lecturer (June 20 to August 11) (1817½ Third Street South, Minneapolis, Minnesota 55404)	100	1 778 00
8. ———, Visiting Lecturer (June 20 to August 11)....	50	1 500 00
(See Sociology).....		(50)
(Total salary).....		(3 000 00)
9. 15.0 FTE Assistants.....		19 200 00
		(32 076 00)

Program in South Asian Studies**U.S. Office of Education Grant (OEC 3-7-000011-1550)**

1. Ronald E. Asher, Visiting Lecturer (June 20 to August 25) (12 Burgess Terrace, Edinburgh 9, United Kingdom)	100	\$ 2 500 00
2. Edward C. Dimock, Jr., Visiting Lecturer (June 20 to August 25).....	100	3 500 00
(South Asia Language and Area Center, The University of Chicago, Foster Hall, 1130 East Fifty-Ninth Street, Chicago, Illinois 60637)		
3. D. P. S. Dwarikesh, Visiting Lecturer (June 20 to August 25).....	100	2 223 00
(5646 South Maryland, Chicago, Illinois 60637)		
4. Gordon H. Fairbanks, Visiting Lecturer (June 20 to August 11).....	100	3 378 00
(1007 Triphammer Road, Ithaca, New York)		

	<i>Per Cent Time</i>	<i>Summer Salary</i>
5. Ruqaiya Hasan, Visiting Lecturer (June 20 to August 25) (31 The Lawns, Black Heath, London S. E. 3, United Kingdom)	100	2 334 00
6. Girdhari Lal Tikku, Visiting Lecturer (June 20 to August 25) (2635 East Second Street, Apartment 8, Bloomington, Indiana 47405)	100	2 750 00
7. Frances A. Wilson, Visiting Lecturer (June 20 to August 25) (Box 389, Rural Route 1, McFarland, Wisconsin)	100	2 223 00
		(18 908 00)
Wages.....		2 800 00
Expense.....		1 500 00
Travel.....		1 420 00
		(5 720 00)
<i>Total, USOE Grant.....</i>		<i>(24 628 00)</i>

Departmental Wages and Expense Budget

Anthropology		
Expense (field training).....		\$17 050 00
Cahokia.....	\$4 300 00	
Chicago.....	2 250 00	
Puerto Rico.....	4 500 00	
Wyoming.....	3 000 00	
Independent Field Training.....	3 000 00	
Child Development.....		400 00
Classics		
Wages, Expense, and Honoraria.....		590 00
Education		
Wages and Expense.....		2 245 00
Honoraria.....		900 00
		(3 145 00)
Forestry Camp		
Wages.....		1 600 00
Expense.....		3 900 00
Operation and Maintenance (Camp Rabideau).....		2 300 00
		(7 800 00)
Geography		
Expense.....		500 00
Geology		
Expense.....		800 00
Recreation and Municipal Park Administration		
Expense.....		2 130 00
Stipends for Supervisors.....		1 460 00
		(3 590 00)
South Asian Studies		
Consultants.....		1 400 00
Wages.....		1 750 00
Expense.....		1 500 00
Travel.....		1 280 00
		(5 930 00)
<i>Total.....</i>		<i>\$39 805 00</i>

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(2) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Illinois Accountancy Act of 1943, as amended, to 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>
RICHARD LYMAN BOLOTIN	Skokie, Illinois	District of Columbia
THOMAS JOSEPH HINES	Addison, Illinois	Pennsylvania
CHARLES ALLEN POLLARD	Beloit, Wisconsin	Wisconsin
RICHARD GEORGE SHUMA	Northbrook, Illinois	Pennsylvania
LAWRENCE RICHARD TEDFORD	Princeton, Indiana	Indiana

I concur.

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

APPOINTMENTS TO THE FACULTY

(3) 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.

Positions in the University are classified in the following categories and are designated in the budget by the symbols indicated: A — indefinite tenure; B — two years; D — one year; E — nine months from the beginning of the academic year; G — special tenure; Y — twelve months' service required instead of two semesters.

Figures following a symbol indicate percentage of time if the appointment is on a part-time basis (e.g., D75 means one year on three-fourths time).

1. JERROLD BERNSTEIN, Assistant Professor of Bioengineering, Department of Information Engineering, Chicago Circle, on one-fourth time, beginning September 1, 1966, at an annual salary of \$3,000 (D25).
2. MARY VIRGINIA DUNN, Assistant Professor of Occupational Therapy, School of Associated Medical Sciences, College of Medicine, beginning January 1, 1967, at an annual salary of \$10,000 (DY).
3. HANS ENGSTROM, Visiting Research Professor of Electrical Engineering, Urbana, for three months from November 1, 1966, without salary (G).
4. SAMUEL KAPLAN, Assistant Professor of Microbiology, Urbana, for seven months from February 1, 1967, at a salary of \$5,750 (B).
5. FRANK A. MORRISON, JR., Assistant Professor of Mechanical Engineering, Urbana, beginning September 1, 1967, at an annual salary of \$11,000 (D).
6. ROBERT S. NORTHCOTE, Assistant Professor of Computer Science, Graduate College, for three months from June 1, 1967, at a salary of \$3,900 (G), and Assistant Professor of Computer Science, Graduate College, Urbana, for two years from September 1, 1967, at an annual salary of \$11,700 (B).

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

DIRECTORSHIP OF THE INSTITUTE OF GOVERNMENT AND PUBLIC AFFAIRS

(4) I recommend the appointment of Samuel K. Gove as Director of the Institute of Government and Public Affairs for the period January 1, 1967, through August 31, 1967, at a salary at the rate of \$18,200 a year. Professor Gove is presently Acting Director of the Institute. In accordance with the provisions of Section 31 of the University of Illinois *Statutes*, the administrative head of the Institute shall be appointed biennially. The term as Director in this case is fixed to coincide with the current biennium 1965-67. A subsequent appointment will be for a two-year period.

Director Gove will continue as Professor in the Institute of Government and Public Affairs and Professor of Political Science on indefinite tenure.

The recommendation of the Director is made with the advice of a nominating committee,¹ and reflects consultation with the senior members of the staff of the Institute.

On motion of Mrs. Watkins, this appointment was approved.

¹ Professor J. Nelson Young, College of Law, Chairman; Professor Edward M. Bruner, Acting Head of the Department of Anthropology; Professor John F. Due, Chairman of the Department of Economics; Associate Professor Denis G. Sullivan, Department of Political Science.

**ACTING DEANSHIP OF COLLEGE OF BUSINESS ADMINISTRATION
AT CHICAGO CIRCLE**

(5) The Chancellor at Chicago Circle has recommended the appointment of Robert W. French, presently on the faculty, as Professor of Economics and of Management at Chicago Circle on indefinite tenure, Staff Associate in the Chicago Office of the President and Acting Dean of the College of Business Administration at Chicago Circle, on a twelve months' service basis, beginning December 1, 1966, at an annual salary of \$23,500.

Professor French will succeed Dean Raymond W. Coleman who has asked to be relieved of this administrative assignment so that he may devote full time to teaching.

I have approved this appointment and request confirmation of my action.

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

**DIRECTOR OF ADMISSIONS AND RECORDS
AT THE MEDICAL CENTER**

(6) The Chancellor at the Medical Center recommends the appointment of Dr. Anthony J. Diekema, presently Associate Director of Admissions and Records at the Medical Center, as Director of Admissions and Records at the Medical Center for two years from September 1, 1967, at an annual salary of \$17,000, on a twelve months' service basis. He will continue as Research Associate in the Office of Research in Medical Education in the College of Medicine and Assistant Professor of Sociology in the College of Pharmacy, on an annual basis.

This appointment is to succeed Director George R. Moon who will retire on August 31, 1967.

The appointment has the endorsement of the deans of the colleges at the Medical Center, and the approval of the University Dean of Admissions and Records, the Dean of the Graduate College, and the Executive Vice-President and Provost.

I recommend approval.

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

**MODIFICATION OF THE PROGRAM FOR SABBATICAL
LEAVES OF ABSENCE AND OF SECTION 40
OF THE UNIVERSITY STATUTES**

(7) The provisions in the University *Statutes* for sabbatical leaves of absence are stated so as to fit the semester calendar but not the quarter calendar—insofar as staff members appointed for the academic year are concerned. The present proposal would establish an alternative, optional arrangement primarily for the benefit of faculty members on academic-year appointment at the Chicago Circle campus or at the Medical Center campus. The quarter system is in operation at these two campuses. This proposal is available to the faculty at Urbana insofar as it is feasible for staff members there to take advantage of it.

The present provisions for sabbatical leaves in Section 40 of the *Statutes* may be summarized as follows:

1. After six years on full-time appointment as an instructor or in higher rank since his original appointment or since the termination of his last leave on salary, the individual may be granted a sabbatical leave for:
 - (a) One year with pay equal to one-half of his annual salary.
 - (b) One-half year at full salary.
2. In exceptional cases, where the interests of the department and the University would be clearly served thereby, leave may be granted for a half year at half pay at the end of three years of consecutive service.

Since the academic year on the quarter system is divided into three parts, it is usually not feasible for a faculty member on academic-year appointment to take sabbatical leave for a half year—since such a period would either end or begin at the midpoint of the second quarter.

In order to translate the present statutory provisions into equivalent benefits in terms of the quarter system, the following optional schedule is proposed:

1. After the completion of four academic years of full-time, continuous service, the

individual would be eligible to apply for sabbatical leave under the following conditions:

- (a) Leave for two quarters at one-half salary.
 - (b) Leave for one quarter at full salary.
2. After six years of full-time, continuous service, the individual would be eligible to apply for sabbatical leave as follows:
- (a) Leave for three quarters at one-half salary.
 - (b) Leave for two quarters at two-thirds salary.

These changes are recommended by the Chancellor at the Chicago Circle campus, the Chancellor at the Medical Center campus, and the Executive Vice-President and Provost.

Inasmuch as a revision of Section 40 of the University of Illinois *Statutes* will be required, appropriate language will be developed and referred to the three Senates for advice, in accordance with Section 65 of the *Statutes*.

I concur.

On recommendation of Mr. Swain, the changes recommended which will involve a revision of Section 40 of the University of Illinois *Statutes* were approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Governor Kerner.

SELECTION OF TEST OF COMPETENCE IN ENGLISH IN ADMISSION OF FOREIGN STUDENTS

(8) The three Senates of the University have approved a procedural change in the regulation concerning the English test used in the admission of foreign students and approval by the Board of Trustees is recommended. The Trustees approved the existing regulation on July 18, 1962.

The major change would enable the University Dean of Admissions and Records, or an officer designated by the President, with the approval of the All-University Committee on Admissions, to select an appropriate test of competence in English. It is expected that in most instances, the Test of English as a Foreign Language (TOEFL), which was developed by the National Council on the Testing of English as a Foreign Language, will be used. The Council is comprised of thirty organizations closely concerned with foreign students including the English Language Institute of the University of Michigan, which developed the test now required at the University of Illinois. TOEFL has been adopted by the Department of State, by the Agency for International Development, by the Department of Defense Language Institute, and by some two hundred universities, including most of the major universities.

The text of the regulation follows (recommended deletions appear within parentheses; additions are in italics):

(The) *A test of competence in English* (given by the English Language Institute, Testing and Certification Division, Ann Arbor, Michigan) shall be required of all foreign students, including transfers, who file applications for admissions (after September 1, 1962,) *in September, 1967, and thereafter*, except foreign students who are citizens of a country where the native language is English, or who have degrees from colleges or universities in countries where English is the native language and where all instruction was in English. A score on (that) *the* examination will be received by the University of Illinois before action is taken on the student's request for admission. All prospective foreign students who receive a score below the minimum score of acceptance on the test will not be admitted to the University. *The University Dean of Admissions and Records, or an officer designated by the President, shall select the test to be used, subject to approval by the All-University Committee on Admissions.* The Director (Dean) of Admissions and Records *on each campus* may, however, upon recommendation of the college concerned, waive the requirement of test if evidence presented by the applicant clearly justifies such action.

I concur in the recommendation.

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

INCREASE IN GRADUATION REQUIREMENTS FOR MASTER OF FINE ARTS DEGREE, URBANA

(9) The Urbana-Champaign Senate recommends a proposal from the Department of Art that the number of units required for the Master of Fine Arts degree (in Painting and Printmaking, Design and Sculpture) be increased from twelve to sixteen units. The Graduate College and the College of Fine and Applied Arts concur in this recommendation.

When the twelve-unit degree was established, a three-semester residence requirement seemed reasonable. Experience has shown, however, that students could not be brought to the desired point of artistic maturity for this terminal degree within that period. For some years, degrees have not been granted in three semesters except under unusual circumstances.

The sixteen-unit, four-semester residence requirement is becoming the standard for the M.F.A. degree throughout the country. This trend is in keeping with the recommendations of the College of Art Association, the Midwest College Art Conference, and the National Association of Schools of Art.

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

I concur.

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

CHANGE IN DEPOSIT REQUIREMENT FOR NEW GRADUATE STUDENTS

(10) By action of the Board of Trustees on January 15, 1964, a nonrefundable deposit of \$30 on tuition and fees was established for "all new domestic graduate students," except those exempted from the payment of tuition and fees because of the award of a fellowship, assistantship, or tuition and fee waiver. Under this regulation, foreign students are not required to pay the advance deposit of \$30 towards the cost of tuition and fees.

In view of the need to make more accurate projections of graduate enrollment, the University Committee on Fees¹ recommends that this regulation be revised so as to require payment of the advance deposit of \$30 by foreign students who at the time of application are living in the United States. Accordingly, the following statement is proposed as an amendment of Item 5 in the regulations approved by the Board on January 15, 1964:

The requirement of a nonrefundable deposit of \$30 on tuition and fees of all new graduate students except foreign students who, at the time of application, are living outside the United States. Graduate students assured of the award of a fellowship, academic or nonacademic appointment, or tuition and fee waiver will be permitted to confirm their intention to enroll without payment of the advance deposit.

I concur.

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

AMENDMENT TO RULES RELATING TO SALARY-ANNUITY OPTION

(11) In 1965 the General Assembly passed legislation making it possible for any employee of an institution covered by the State Universities Retirement System to elect the salary-annuity option. Prior to this action, participation was limited to employees who were participants in the retirement system.

It is necessary, therefore, to amend a rule adopted by the Board of Trustees to implement the provisions of the earlier legislation (*Illinois Revised Statutes*, Chapter 127, Section 166 (c)).

The change extends the provisions of the salary-annuity option to persons who are under the Federal Employees' Retirement System, as well as to persons who are employed after they reach age fifty-eight and who are, therefore, ineligible to participate in the State Universities Retirement System. The text of the rule, as adopted by the Trustees on May 20, 1964, is given below with the portion recommended for deletion appearing within parentheses and in italics.

1. Any employee of the University (*who is a participant in the State Universities Retirement System and*) who desires to make an election to accept an adjustment in

¹ The members of the University Committee on Fees are: the Executive Vice-President and Provost (Chairman), the Vice-President and Comptroller, the Chancellor at the Chicago Circle campus, the Chancellor at the Medical Center campus, the Dean of the Graduate College, and the University Dean of Admissions and Records.

earnings pursuant to Section 166 (c) of Chapter 127 of the Illinois Revised Statutes shall do so by executing and filing with the University a document in a form approved by the Vice-President and Comptroller and by the Legal Counsel. In the event that more than one such election is filed by an employee, the election bearing the latest date shall be deemed to supersede all previous elections, but no employee may file more than one election in any calendar year. Any such election so filed may be revoked at any time by the employee upon filing a written revocation with the University.

The Vice-President and Comptroller recommends that the amendment be approved.

I concur.

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

CHANGE IN NONACADEMIC POLICY AND RULES

(12) The agreement recently negotiated with the Building Service Employees Union, Local 119 (Urbana campus) provides for a new work shift, in not more than twelve buildings, between the hours of 11:30 p.m. and 7:30 a.m. The Director of the Physical Plant, with the concurrence of the Union, has determined that the University will be best served if the work week for this shift begins at 11:30 p.m. each Sunday night.

Under Section IV of the *Policy and Rules Relating to Compensation and Working Conditions of Nonacademic Employees* as approved by the Board of Trustees, "the work week of all employees shall start on Monday" and "all work on Sundays is overtime." Section V of the *Policy and Rules* provides for overtime compensation for Sunday work.

However, in the agreement with the Union, overtime pay is not contemplated for any part of this new work shift. Although but thirty-one minutes of time are involved, and the bulk of the hours worked on the first day of the work week is on Monday, the agreement does represent an exception to the existing *Policy and Rules*. Therefore, on recommendation of the Director of the Physical Plant, the Director of Nonacademic Personnel, and the Vice-President and Comptroller, approval is requested of an exception, for this one situation, to the *Policy and Rules*.

I concur.

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

NONDISCRIMINATION ASSURANCE AT UNIVERSITY OF ILLINOIS-WILLARD AIRPORT

(13) In connection with the grant agreement for airport improvements and acquisition of land, approved by the Board of Trustees on February 19, 1964, the Federal Aviation Agency now requires the adoption of a resolution assuring nondiscrimination in federally assisted programs.

The Director of the Institute of Aviation and the Vice-President and Comptroller recommend adoption of the following resolution.

I concur.

Resolution

Be It, and It Hereby Is, Resolved by The Board of Trustees of the University of Illinois, a public corporation, that H. O. Farber, Comptroller, be and hereby is authorized to execute in the name and on behalf of this public corporation the following Sponsors Assurance of Nondiscrimination in Federally Assisted Programs in connection with the Application for federal funds for University of Illinois-Willard Airport project, Ill. Project No. 65A-7-356, FAA Project No. 9-11-026-C404, viz:

Sponsor assurance to accompany a request for payment of Federal funds made after January 30, 1965 in accordance with the terms of a Grant Agreement executed prior to January 30, 1965. Nondiscrimination in Federally Assisted Programs of the FAA: In order to furnish the assurances required by Title VI of the Civil Rights Act of 1964 and by Part 15 of the FAR, as amended, The Board of Trustees of the University of Illinois, a public corporation, (hereinafter called the Sponsor) hereby covenants and agrees with the United States (hereinafter called the Government) as follows: The Sponsor in the operation and use of the University of Illinois-Willard Airport will not on the grounds of race, color, or national origin discriminate or permit discrimination against any person or group of persons in any manner prohibited by Part 15 of the

FAR. The Sponsor will include, or require the inclusion of, the foregoing covenant in every agreement or concession pursuant to which any person or persons, other than the Sponsor, operates or has a right to operate any facility on the airport providing services to the public, and a provision granting the Sponsor the right to take such action as the Government may direct to enforce such covenant. Noncompliance with the above assurance shall constitute a material breach, and in the event of such noncompliance the Government may take appropriate action to enforce compliance, may terminate their Grant Agreement to which this covenant relates, or seek judicial enforcement. The covenant shall become effective upon execution and shall constitute part of the Grant Agreement to which it relates and shall remain in full force so long as the airport covered by such agreement continues to be used and operated as a public airport.

On motion of Mr. Pogue, the foregoing resolution was adopted.

APPROPRIATIONS FOR NONRECURRING EXPENDITURES, URBANA

(14) The Executive Vice-President and Provost and the Vice-President and Comptroller recommend the following appropriations for Urbana-Champaign from:

Urbana-Champaign General Reserve

Renovation and remodeling for which funds are assigned to the Physical Plant Department:

Remodeling at 1002 West Green Street, Urbana, for the use of the University Press	\$14 220 00
---	-------------

Urbana-Champaign Contract Research Reserve

Renovation and remodeling for which funds are assigned to the Physical Plant Department:

Partial cost of remodeling in Noyes Laboratory to be used by the Department of Chemistry and Chemical Engineering for training graduate students in research.....	12 000 00
---	-----------

<i>Total</i>	\$26 220 00
--------------------	-------------

I concur.

On motion of Mr. Johnston, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Governor Kerner.

CONTRACTS FOR REMODELING IN ANIMAL GENETICS BUILDING, URBANA

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following cost-plus contracts for remodeling the north end of the Animal Genetics Building to provide laboratory and office space for staff and graduate students, the award in each case to the lowest bidder:

	<i>Per Cent for Material</i>	<i>Per Cent for Labor</i>	<i>Per Cent for Sub- contracts</i>	<i>Total Esti- mated Fee Payments</i>	<i>Total Payments</i>
General — Dean Evans Co., Champaign.....	10	22	5	\$1 350 00	\$10 350 00
Electrical — G. L. Wilsky, an individual doing business as Downtown Electric, Urbana....	13	23	0	403 00	2 603 00
Plumbing — Willis H. Thomas and Wren C. Thomas, a partnership doing business as Thomas Plumbing & Heating Co., Urbana.....	25	40	5	1 125 00	4 325 00
Heating, Piping, Refrigeration, and Automatic Temperature Control Systems — W. L. Rogers, an individual doing business as Cool-Rite Refrigeration, Urbana.....	32	39	15	799 00	2 999 00

The estimated total cost of the work is \$31,000. Funds are available from an appropriation approved by the Board of Trustees on September 21, 1966.

Submitted herewith is a report from the Physical Plant Department, including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Hughes, these contracts were awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Governor Kerner.

CONTRACTS FOR REMODELING IN MCKINLEY HOSPITAL, URBANA

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following cost-plus contracts and the assignment of \$42,210 from Workmen's Compensation Reserve for remodeling in the southwest section of McKinley Hospital for construction of a radiation decontamination facility, the award in each case to the lowest bidder:

	<i>Per Cent for Material</i>	<i>Per Cent for Labor</i>	<i>Per Cent for Sub- contracts</i>	<i>Total Estimated Fee</i>	<i>Total Estimated Payments</i>
General — Dean Evans Co., Champaign.....	4	32	10	\$2 370 00	\$18 870 00
Electrical — William H. Brunkow doing business as Brunkow Electric Co., Champaign.....	8	24	0	320 00	2 470 00
Plumbing — The Nu-Way Contracting Corp., Chicago..	15	39	5	1 645 00	8 145 00
Heating, Piping, Refrigeration, and Automatic Temperature Control Systems — W. L. Rogers, an individual doing business as Cool-Rite Refrigeration, Urbana.....	25	27	10	790 00	3 890 00

The estimated total cost of the work is \$42,210.

Submitted herewith is a report from the Physical Plant Department, including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Johnston, these contracts were awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Governor Kerner.

PURCHASE OF ELECTRIC POWER FROM ILLINOIS POWER COMPANY, URBANA CAMPUS

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization to execute an agreement with Illinois Power Company, Decatur, for the purchase of electric energy from the Illinois Power Company for the Urbana-Champaign campus in accordance with the following terms:

1. Purchase of electric energy at a cost of \$2.45 per kw of "billing demand" (highest plant demand minus net capability of the plant, plus demand of all other delivery points) for the first 10,000 kw; and \$1.65 per kw for all over 10,000 kw of billing demand, plus 0.44 cents per kw for all energy furnished by the utility, subject to fuel cost adjustment. These terms would be subject to any future rate adjustment approved by the Illinois Commerce Commission.
2. The term of the agreement shall be for a period beginning July, 1967, and ending June 30, 1969, and shall be subject to renewals for successive twenty-four month periods. Funds for the initial term of the contract will be included in the University's request for operating funds for the 1967-69 biennium.

3. This contract shall not be in effect until approved by order of the Illinois Commerce Commission.

Submitted herewith is a memorandum from the Physical Plant Department, including a summary of the major provisions of the proposed agreement between the Illinois Power Company and the University, a copy of which is being filed with the Secretary of the Board for record.

I concur and recommend that the Comptroller and the Secretary of the Board of Trustees, with the concurrence of the Legal Counsel, be authorized to execute such an agreement with the Illinois Power Company.

On motion of Mr. Williamson, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Governor Kerner.

**CONTRACT FOR ACOUSTICAL WORK, NEUROPSYCHIATRIC
INSTITUTE AND ILLINOIS SURGICAL INSTITUTE FOR CHILDREN,
MEDICAL CENTER**

(18) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$39,831 to Steinmetz-Dworak, Incorporated, Chicago, the lowest bidder, for acoustical work in the Neuropsychiatric Institute and Illinois Surgical Institute for Children at the Medical Center campus.

The work consists of removing existing acoustical tile which does not comply with the Chicago Building Code regarding "flame-rate spread" and installing acoustical tile which does meet the Code.

Funds are available in the 1965-67 state capital appropriations and have been released.

I concur.

On motion of Mrs. Watkins, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Governor Kerner.

**CONTRACTS FOR AIR CONDITIONING FIRST FLOOR
FOR MANUFACTURING PHARMACY, MEDICAL CENTER**

(19) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for air conditioning the first floor for Manufacturing Pharmacy, East Dentistry-Medicine-Pharmacy Building at the Medical Center, the award in each case to the lowest bidder:

General — Gerhardt F. Meyne Company, Chicago.....	\$ 4 058 00
Plumbing — Peter H. Smith Company, Chicago.....	2 620 00
Heating, Refrigeration, and Temperature Controls — F. E. Moran, Inc., Chicago.....	39 660 00
Ventilation — Anderson & Litwack Company, Hillside.....	7 913 00
Electrical — Midwest Interstate Electrical Construction Co., Chicago..	5 963 00
<i>Total</i>	<u>\$60 214 00</u>

The work provides for furnishing and installing an air conditioning system consisting of a centrifugal water chiller, cooling tower, cooling coils, additions to and revisions of existing ductwork, together with all required auxiliary equipment and pertinent controls.

Funds are available in the 1965-67 state capital appropriations and have been released.

Submitted herewith is a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Watkins, these contracts were awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Page, Governor Kerner.

**CONTRACTS FOR REMODELING SPACE VACATED BY PEDIATRICS
FOR CENTER FOR HANDICAPPED CHILDREN, GENERAL
HOSPITAL BUILDING, MEDICAL CENTER**

(20) The Director of the Physical Plant and the Vice-President and Comptroller recommend the award of contracts for remodeling space vacated by the Department of Pediatrics in the General Hospital Building, which will be used by the Center for Handicapped Children, the award in each case being to the lowest bidder:

General — Heller Construction Company, Inc., Chicago		
Base bid.....	\$33 771 00	
Deductive alternate for substitution of vinyl asbestos floor covering for carpet floor covering.....	—1 000 00	\$32 771 00
Ventilation — Crone Associates, Inc., Chicago.....		12 676 00
Plumbing — Fettes, Love & Sieben, Inc., Chicago.....		4 162 00
Pipe Covering and Insulation — Western Asbestos Company, Inc., Chicago.....		2 153 00
Electrical — Midwest Interstate Electrical Construction Co., Chicago		
Base bid	\$22 563 00	
Deductive alternate for omission of intercommunica- tion equipment.....	—3 070 00	19 493 00
Heating, Refrigeration, and Temperature Controls — A. Kilander & Co., Inc., Chicago.....		15 744 00
Total.....		\$86 999 00

The work consists of rehabilitating the area by providing partitioning and a suspended ceiling; raising the lighting level; providing equipment space and a new air conditioning system.

Funds for this project are available to the Division of Services for Crippled Children.

Submitted herewith is a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Watkins, these contracts were awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Governor Kerner.

**REQUEST TO ILLINOIS BUILDING AUTHORITY TO INCREASE
CONTRACT FOR CONSTRUCTION OF CHICAGO CIRCLE
CAMPUS. PHASE II**

(21) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Illinois Building Authority be requested to authorize an increase of \$134,567.58 in the contract with Gust K. Newberg Construction Co., Chicago, for the construction of Chicago Circle campus, Phase II. This additional cost is based on the necessity of extending caissons beyond the depth shown on the contract documents for the Library Addition (\$49,456.32) and the Science and Engineering Staff Offices Building (\$85,111.26) to reach solid rock for caisson support.

The depths shown on the drawings were determined as a result of analysis of soil borings prior to the preparation of working drawings. Soil conditions experienced in construction at the planned depth required additional excavation to reach "solid rock," thus resulting in additional costs in construction. The amounts are based on a unit price of \$900 per additional cubic yard excavated included in the bid and contract documents.

Funds are available to the Illinois Building Authority for this work.

I concur.

On motion of Mr. Swain, this change in contract was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Governor Kerner.

PAYMENT FOR ARCHITECTURAL EXPENSES, CHICAGO CIRCLE

(22) In 1964 the Illinois Building Authority, on recommendation of the Board of Trustees, employed the firm of Harry M. Weese & Associates to provide architectural services through the preparation of working drawings and contract documents for the construction of the Physical Education Building, Phase II, Chicago Circle, such services having been declared to be in the public interest by the General Assembly in 1963. It was anticipated that funds for additional architectural services would be provided later, when construction was authorized. In 1965 the General Assembly declared it to be in the public interest for the Illinois Building Authority to construct the building on behalf of the University.

The contract with the architect further provided that either the University or the Illinois Building Authority could require the architect to provide additional services. The architect completed the drawings, and documents and bids were received in August, 1965, for mechanical work. The bids exceeded the estimates and were rejected. At the request of the University and the Authority, the project and the bidding documents and procedures were revised, requiring additional services by the architect. With the approval of the University, the architect also employed certain consultants on behalf of the University and incurred certain other expenses of the type normally reimbursed to architects.

The architect has been paid for the working drawings and contract documents in accordance with the provisions of the contract with the Illinois Building Authority but has not been reimbursed for the above employment of consultants, additional expenses and the services required for rebidding. These amounts total \$43,984.58. As the construction of the Physical Education Building has been deferred to Phase III because of lack of adequate funding, the Illinois Building Authority has requested the University to make these payments with the understanding that the University will subsequently be reimbursed when the General Assembly increases the amount of its declaration in the public interest and when construction on this project is undertaken by the Illinois Building Authority. If this does not materialize, the costs can be charged to the state capital appropriations.

Accordingly, the Director of the Physical Plant and the Vice-President and Comptroller recommend payment of \$43,984.58 to Harry M. Weese & Associates for the foregoing costs and additional services rendered in connection with the Physical Education Building, Chicago Circle campus.

I concur.

On motion of Mrs. Watkins, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Governor Kerner.

EASEMENT TO GENERAL TELEPHONE COMPANY OF ILLINOIS

(23) The Vice-President and Comptroller recommends that the General Telephone Company of Illinois be granted an easement for the installation of an underground telephone cable over the road right-of-way only and bordering Allerton Trust Farm land in Piatt County, and that the following resolution be adopted.

I concur.

Resolution Granting Easement Over Road Right-of-Way Only and Bordering Allerton Trust Farm Land in Sections 8, 9, 16, 17, 18 and 29, Piatt County, Illinois

Be It, and It Hereby Is 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 this Corporation be, and they hereby are, authorized to execute, acknowledge, and deliver in the name and on behalf of this Corporation such instruments of conveyance, contract or other document or documents as to them may seem necessary or desirable in order to grant to General Telephone Company of Illinois, an Illinois Corporation, hereinafter referred to as "Company", its successors and assigns, the right and easement to construct, operate, patrol and maintain its communication lines including the necessary underground cables, wires, conduits, splicing boxes, surface terminals, markers and appurtenances upon, over and across the land hereinafter specifically described which land is included in the

public highway, to form a part of a communication system to be owned by the said Company in Piatt County, Illinois, to other lands and structures located beyond the lands hereinafter described, and upon, along, under and across the roads, streets, or highways on or adjoining said land hereinafter described together with the right of access to the said land hereinafter described, with the right to permit the attachment of the wires of any other Company. Company shall agree to repair any damage caused to property of this Corporation by the construction, reconstruction, operation, patrolling, maintenance, renewal or removal of said telephone communications cable, and to indemnify the University and its representatives and tenants from liability in connection with its activities; the term of said easement to be for such period as the easement may be used for the above-described purposes, but upon the discontinuation of use of or abandonment of said telephone communications cable, said easement to thereupon cease and determine without necessity of re-entry or demand; the rights and easement granted to be limited to the extent that this public corporation has the present right and capacity to grant the same. The right-of-way easement shall be over the following-described property:

Situated in the State of Illinois, the County of Piatt, and only on the road right-of-way bordering lands described as follows:

On road right-of-way bordering the North One-Half (N $\frac{1}{2}$) of the North One-Half (N $\frac{1}{2}$) of Section 8;

On road right-of-way bordering the Northwest Quarter (NW $\frac{1}{4}$) of the Northwest Quarter (NW $\frac{1}{4}$) and the Southwest Quarter (SW $\frac{1}{4}$) of the Southwest Quarter (SW $\frac{1}{4}$) of Section 9;

On road right-of-way bordering the Northwest Quarter (NW $\frac{1}{4}$) of the Northwest Quarter (NW $\frac{1}{4}$) of Section 16;

On road right-of-way bordering the North One-Half (N $\frac{1}{2}$) of Section 17;

On road right-of-way bordering the North One-Half (N $\frac{1}{2}$) and part of the North One-Half (N $\frac{1}{2}$) of the Southwest Quarter (SW $\frac{1}{4}$) of Section 18; and

On road right-of-way bordering part of the East part of the Southeast Quarter (SE $\frac{1}{4}$) of Section 29;

all situated in Township 18 North, Range 5 East, of the Third Principal Meridian (3rd P.M.).

On motion of Mr. Swain, the foregoing resolution was adopted.

CONTRACTS FOR SCHOOL OF MUSIC RECORDINGS, URBANA

(24) For some years the School of Music has been seeking an effective method of distributing recordings of the performances of new music by contemporary composers and music of great historical significance. Distribution through University channels has been of limited effectiveness.

Metro-Goldwyn-Mayer has offered to enter into contracts with the University for the release of records containing seven compositions by five University of Illinois composers. The performances of these compositions are recorded on tapes prepared under University auspices.

The contracts would provide that MGM will receive exclusive title to the tapes unless the records are omitted from the publisher's catalog for a period of at least two years, after which time title would revert to the University. MGM will pay to the University royalties of two per cent of record sales and will advance \$3,200 to the University to cover production costs of the tapes. The advance would be repaid from the first royalties.

The Director of the School of Music, the Dean of the College of Fine and Applied Arts, the Executive Vice-President and Provost, and the Vice-President and Comptroller recommend that authority be granted to enter into these contracts with MGM.

I concur.

On motion of Mr. Dilliard, authority was given as recommended.

AGREEMENT FOR FURNISHING SERVICES AND COMMODITIES TO THE HERMAN M. ADLER ZONE CENTER

(25) The Adler Zone Center, being constructed by the Illinois Department of Mental Health, should be ready for occupancy sometime between January and

March, 1967. In view of its location on the Urbana-Champaign campus and in an effort to promote efficiency within state operations, the Superintendent of the Adler Zone Center requests, and the Director of the Physical Plant and the Vice-President and Comptroller concur, that certain services and commodities be furnished to the Adler Zone Center on a fee basis.

The services to be rendered include building and ground maintenance, security surveillance, janitorial services, telephones services, and automotive services. Commodities would include purchases from the Physical Plant Stores, the Central Food Stores, the Office Stores, and the General Chemical Stores. All services and commodities furnished by the University would be billed to the Adler Zone Center on the basis of cost plus established mark-ups to cover overhead and administrative costs.

The general terms of the request have been reviewed with all University offices concerned and the Adler Zone Center.

The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization to enter into an agreement with the Department of Mental Health as outlined above.

I concur.

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

BENJAMIN GOLDBERG FOUNDATION

(26) Under date of August 6, 1952, Benjamin Goldberg of Palm Springs, California, established a trust fund known as the "Benjamin Goldberg Foundation," the entire principal and income of which was permanently devoted to entities organized and operated exclusively for religious, charitable, scientific, literary, or educational purposes. Under the terms of the trust agreement, the trustees were directed, upon the death of Dr. Goldberg, to distribute the principal, "together with any income derived from or accruing thereto, to the College of Medicine of the University of Illinois" and the trust was to terminate. The trustees of the Benjamin Goldberg Foundation have requested a formal resolution by the Board accepting the gift on the terms stated in the trust agreement before making any distribution to the University. The Vice-President and Comptroller and the Legal Counsel recommend that the Board take formal action to accept the gift.

I concur and request the adoption of the following resolution.

Resolution

WHEREAS, a Trust Agreement dated August 6, 1952 between Benjamin Goldberg as Settlor and Benjamin Goldberg, Elliott H. Gordon and Jack Gold as Trustees, establishing a trust fund known as the "Benjamin Goldberg Foundation" provides in Article II, paragraph "e" that "The trustees shall, within twenty years of their receipt of any contribution to the Foundation or upon the death of the Settlor hereunder, depending upon which event shall occur first, distribute the same pursuant to the provisions hereof, together with any income derived from or accruing thereto, to the College of Medicine of the University of Illinois, and this trust shall thereupon automatically terminate"; and

WHEREAS, said Benjamin Goldberg is now deceased and said trustees have requested formal action of The Board of Trustees of the University of Illinois accepting said gift prior to distributing the same; and

WHEREAS, the College of Medicine of the University of Illinois is an educational and administrative unit within the public corporation created by the statutes of the State of Illinois and known as "The Board of Trustees of the University of Illinois" (hereinafter referred to as the "University of Illinois").

Now, Therefore, Be It Resolved by The Board of Trustees of the University of Illinois that the gift made to the College of Medicine of the University of Illinois by the terms of the Benjamin Goldberg Foundation, evidenced by a Trust Agreement dated August 6, 1952 and identified above be, and the same hereby is, accepted by the University of Illinois on the terms and for the purposes set forth in said Trust Agreement and quoted above.

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

REPORT OF GIFTS AND FUNDS RECEIVED FROM OUTSIDE SOURCES

(27) Following is a report of gifts, grants, and contract funds received by the University during the fiscal year July 1, 1965, through June 30, 1966. This report

includes funds from private donors and funds received from governmental agencies and covers all payments received during the fiscal year. A period of several months may elapse between the time an offer is received and accepted and final payment is made, which will account for the listing here of some gifts of funds, such as for scholarships and fellowships, for the academic year 1965-66, and others for 1966-67.

A number of these grants and gifts were previously reported to the Board when the offers were received, and likewise the Comptroller's monthly reports have included numerous research contracts for which funds had not been received at the time of reporting. These funds are being included here in order to present a complete report of all funds received from outside sources during the fiscal period 1965-66.

The contracts have all been properly executed by the Secretary and the Comptroller of the Board. All gifts and grants reported have been accepted and duly acknowledged by the President or other appropriate University officer with an expression of appreciation on behalf of the University and the Board of Trustees.

Colleges and Schools at Urbana-Champaign

Undergraduate Scholarships

1. Aerojet-General Corporation, New York, New York: scholarship in ceramic engineering.....	\$ 500 00
2. Alcoa Foundation, Pittsburgh, Pennsylvania: scholarships (\$750 each) in ceramic, metallurgical, and mechanical engineering....	2 250 00
3. Allstate Foundation, Skokie: scholarships for extramural classes for driver education teachers conducted by the Division of University Extension.....	2 500 00
4. Alpha Beta of Delta Zeta Corporation: Delta Zeta scholarship.....	300 00
5. Alpha Delta Phi, Illinois Chapter: scholarship, 1965-66.....	270 00
6. American Air Filter Foundation, Inc., Louisville, Kentucky: Herman W. Nelson Scholarship in mechanical and electrical engineering.....	850 00
7. Anonymous donor: scholarship in civil engineering.....	2 000 00
8. Armstrong Cork Company, Lancaster, Pennsylvania: scholarship, 1965-66.....	335 00
9. Autotron, Inc., Danville: establishment of a scholarship to a sophomore in electronics, with renewal during the junior and senior years.....	650 00
10. Barber-Colman Foundation: scholarship.....	1 305 00
11. Bates and Rogers Foundation, Chicago: scholarships, 1965-66.....	900 00
12. Campus Chest, University of Illinois: scholarships.....	730 00
13. Caterpillar Tractor Co., Peoria: establishment of Caterpillar Tractor Co. Scholarship Program in College of Engineering, 1966-67, providing five scholarships, three in metallurgical engineering and two in mechanical engineering.....	2 500 00
14. Chevron Oil Company, The California Company Division, New Orleans, Louisiana: scholarship in geology.....	500 00
15. Chicago Farmers, Chicago: scholarship for a senior in agriculture.....	500 00
16. Continental Grain Company, New York, New York: scholarship in grain marketing.....	1 000 00
17. Douglas Aircraft Company, Inc., Santa Monica, California: scholarship to a senior in aeronautical, electrical, or mechanical engineering.....	750 00
18. Ernst & Ernst Foundation: scholarship.....	1 000 00
19. Esco Corporation, Portland, Oregon: scholarship, 1965-66....	500 00
20. Federal Land Bank of St. Louis, St. Louis, Missouri: scholarship.....	1 000 00
21. First Federal Savings & Loan Association, Champaign: scholarship, 1965-66.....	500 00
22. Foundry Educational Foundation, Cleveland, Ohio: four scholarships, 1965-66.....	1 000 00
23. FS Services, Bloomington: four scholarships, two in agriculture and two in commerce, 1965-66.....	400 00

24. Frank E. Gannett Newspaper Foundation, Rochester, New York: Frank E. Gannett Newspaper Foundation Scholarship, 1966-67.....	500 00
25. Gates Radio Company, Quincy: Gates Radio Electrical Engineering Scholarship Program.....	1 007 00
26. General Motors Corporation, Detroit, Michigan: six scholarships, 1965-66.....	17 395 00
27. Green Giant Foundation, LeSueur, Minnesota: scholarships...	600 00
28. Gunther Construction Company, Galesburg: Harry M. Gunther Memorial Scholarship, 1965-66.....	500 00
29. Harbison-Walker Charitable Fund, Inc., Chicago: scholarship in ceramic engineering.....	500 00
30. Joseph Harrington, Jr., Wehnam, Massachusetts: Dunlap Harrington Memorial Scholarship Award.....	50 00
31. The Hartford Insurance Group, Chicago: scholarship, 1965-66	3 000 00
32. Hewlett-Packard Company, Skokie: scholarship in electronics of physics.....	300 00
33. Illinois Association of Insurance Agents, Springfield: G. A. Mavon Scholarship, 1965-66.....	100 00
34. Illinois Congress of Parents and Teachers: two scholarships, one in any field of teacher training (\$4,550) and one in special education (\$3,000).....	7 550 00
35. Illinois Federation of Women's Clubs, Chicago: scholarships in occupational therapy and in the education of teachers of mentally retarded children.....	1 400 00
36. Illinois Mining Institute, University of Illinois: scholarship, 1965-66.....	600 00
37. Illinois Occupational Therapy Alumni Association: establishment of an Occupational Therapy Alumni Scholarship or Award.....	767 00
38. Illinois State Federation of Labor and Congress of Industrial Organizations, Chicago: scholarship, 1966-67.....	1 000 00
39. Illinois State Nurserymen's Association, Inc.: for the Miles W. Bryant Scholarship in ornamental horticulture.....	300 00
40. Junior Women's Advertising Club of Chicago: scholarship in journalism.....	225 00
41. Keeshin Transport System, Toledo, Ohio: for the Beatrice Keeshin Scholarship, 1965-66.....	400 00
42. The Kroger Company, Cincinnati, Ohio: three scholarships in agriculture and three in home economics.....	1 000 00
43. The Magnavox Company, Fort Wayne, Indiana: scholarship, 1965-66.....	3 000 00
44. P. R. Mallory Company Foundation, Inc., Indianapolis, Indiana: scholarship in ceramic engineering.....	250 00
45. Mid-South Chemical Company, Memphis, Tennessee: scholarship in agriculture, 1965-66.....	600 00
46. Midwest Agricultural Chemicals Association, Gering, Nebraska: scholarship.....	200 00
47. <i>The Minneapolis Star</i> , Minneapolis, Minnesota: establishment of a scholarship for a senior in journalism, for a five-year period.....	400 00
48. Minnesota Mining & Manufacturing Company, St. Paul, Minnesota: scholarships in engineering.....	1 000 00
49. Moorman Manufacturing Company, Quincy: scholarship in agriculture.....	1 500 00
50. Motorola, Inc., Franklin Park: scholarships in art and industrial design.....	500 00
51. Mueller Company, Decatur: scholarships in mechanical engineering.....	2 000 00
52. National Association of Home Builders Scholarship Foundation, Inc., Washington, D.C.: scholarship for student in a curriculum related to the home building industry.....	500 00
53. National Secretaries Association, Champaign: scholarship in secretarial training, 1965-66.....	150 00

54. Nonacademic Employees Council, University of Illinois, Urbana: scholarship for a son or daughter of a nonacademic employee at Urbana.....	1 080 00
55. Northern Illinois Land Company, Aurora: scholarship in agriculture and home economics, 1966-67.....	1 000 00
56. Owens-Corning Fiberglas Corporation, Toledo, Ohio: scholarship, 1965-66	1 500 00
57. Owens-Illinois, Toledo, Ohio: scholarships.....	2 825 00
58. Pan American Petroleum Foundation, Inc., Fort Worth, Texas: scholarship in geology, 1965-66.....	700 00
59. Pennsylvania Glass Sand Corporation, New York, New York: scholarship in ceramic engineering.....	270 00
60. Pfaunder Permutite Foundation: scholarship in ceramic engineering.....	500 00
61. Pi Kappa Lambda Music Fraternity, University of Illinois: Frederic B. Stiven Memorial Scholarship in music.....	500 00
62. Pratt & Lambert, Inc., Chicago: travel scholarship in architecture.....	250 00
63. The Presser Foundation, Philadelphia, Pennsylvania: scholarship in music, 1965-66.....	400 00
64. Procon, Incorporated, Des Plaines: scholarship in engineering.....	500 00
65. Production Credit Association: scholarship, 1966-67.....	600 00
66. Ralston Purina Company, St. Louis, Missouri: Ralston Purina Scholarship in agriculture, 1965-66.....	500 00
67. St. Louis Bank of Cooperatives, St. Louis, Missouri: David M. Hardy Scholarship in coop management.....	750 00
68. Scully-Jones Company: scholarship, 1965-66.....	600 00
69. Sears-Roebuck Foundation, Chicago: scholarship in agriculture (\$4,200) and in home economics (\$900).....	5 100 00
70. Secretariat of the University of Illinois: establishment of scholarship	100 00
71. Alfred P. Sloan Foundation, New York, New York: scholarship, 1965-66	4 500 00
72. Square D Foundation, Park Ridge: scholarships in electrical engineering.....	450 00
73. Standard Oil Company of California, San Francisco, California: scholarship in chemical engineering.....	750 00
74. Sulphur Institute: scholarship in agricultural economics.....	300 00
75. Texaco, Inc., Beacon, New York: scholarships, 1966-67.....	1 400 00
76. The Union Carbide Educational Fund, New York, New York: scholarship, 1965-66	2 000 00
77. U.O.P. Foundation, Des Plaines: scholarship in chemical engineering, 1966-67	1 000 00
78. University Club Foundation, Chicago: scholarship, 1966-67...	600 00
79. University of Illinois Alumni Association: scholarship in music.....	375 00
80. University of Illinois Dads Association, Champaign: scholarships, 1965-66	2 040 00
81. University of Illinois Mothers Association: scholarship, 1965-66.....	810 00
82. University of Illinois Student Organizations: scholarships....	3 000 00
83. Various donors: Donald E. Chamberlain Scholarships.....	415 00
84. Various donors: scholarship in ceramics.....	5 000 00
Bay State Abrasive Products, Westboro, Massachusetts	\$ 500 00
Ferro Corporation, Cleveland, Ohio.....	500 00
Fiberglas Corporation	3 500 00
Hercules Powder Co.....	500 00
85. Various donors: scholarship for training wood scientists....	1 100 00
Churchill Cabinet Company.....	\$ 300 00
V. J. Dolan and Company.....	300 00
Edward Hines Lumber Company.....	500 00
86. Western Electric Company, Inc., Chicago: scholarship, 1965-66	1 200 00
87. Witt-Armstrong Equipment Company, Champaign: scholarship, 1965-66.....	450 00

88. Women's Independent Student Association, Urbana: Mary Ann Woods Memorial Scholarship.....	100 00
89. Zeta Tau Alpha Foundation, Evanston: Shirley Kreasan Strout Award, 1965-66	250 00
<i>Total, Undergraduate Scholarships.....</i>	<i>\$ 112 449 00</i>
<i>Miscellaneous Awards and Financial Aids to Students</i>	
90. Kivett and Myers and McCallum, Kansas City, Missouri: to the Department of Architecture for a student award.....	\$ 200 00
91. Mrs. Wanda I. Lorentz, Homewood: to the College of Engineering for student aid in memory of her son, George.....	200 00
92. Reader's Digest Foundation: for student aid in journalism....	1 000 00
93. Simon, Rettburg & Garrison, Champaign: for student award in architecture	250 00
94. Union Carbide Company: for undergraduate awards in food science	250 00
95. University Concert and Entertainment Board: for the Star Course Prize in music.....	1 965 75
96. University of Illinois Foundation: for student grants-in-aid..	170 176 47
97. Various donors: for prizes in architecture.....	550 00
Alschuler Philanthropic Fund, Inc.....	\$ 25 00
Mrs. Margaret Blackman, in memory of her son, Jack.....	100 00
Bradley & Bradley, Inc., Rockford.....	200 00
Singer Company	200 00
University of Illinois Foundation.....	25 00
98. Various donors: for award in civil engineering.....	100 00
99. Various donors: for Engineering Open House Awards.....	750 00
Automatic Electric Co.....	\$ 125 00
Chicago Bridge & Iron Co.....	125 00
Chicago, Burlington & Quincy Railroad Co.....	125 00
Continental Can Co., Inc.....	125 00
Magnavox Company	125 00
Marvel-Schepler	125 00
100. Various donors: for the Women's Student Aid Fund.....	5 950 70
101. John Wiley & Sons, New York, New York: for the Fred B. Seely Award in engineering mechanics.....	100 00
<i>Total, Miscellaneous Awards and Financial Aids to Students.....</i>	<i>\$ 181 492 92</i>
<i>Student Loans</i>	
102. Band Parents Association: for the Franklin C. Kreider Loan Fund	\$ 1 040 00
103. Decatur Obedience Training Club: for short-term loan funds	300 00
104. Dr. and Mrs. Arthur L. Ennis, Decatur: for the Dr. and Mrs. Arthur L. Ennis Student Loan Fund.....	500 00
105. William P. Jones, Jr.: for the John S. Crandel Loan Fund...	5 800 00
106. Koppers Co., Inc.: for long-term loan funds.....	500 00
107. Lincoln State Cat Club: for short-term loan funds.....	500 00
108. Miles O. Price: for the P. L. Windsor Memorial Loan Fund	500 00
109. St. Clair County Heart Association: for long-term loan funds	500 00
110. Sandemac Kennel Club: for the Veterinary Medicine Student Loan Fund	500 00
111. Sigma Delta Epsilon: for long-term loan funds.....	678 58
112. Tau Delta Tau, University of Illinois: for short-term loan funds.....	15 00
113. United States Department of Health, Education, and Welfare under the National Defense Education Act: for student loans for all three campuses.....	755 001 00
114. University of Illinois Foundation.....	33 214 27
Norma E. Carr Loan Fund.....	\$ 325 63
United Student Aid Fund.....	1 500 00
Raymond Rickbiel Fund.....	202 96
Class of 1933 Loan Fund.....	30 00
Margarethe Lange James Loan Fund.....	5 000 00
For long-term student loans.....	26 155 68

115.	University of Illinois Student Organizations.....		1 110 00
	Campus Chest Loan Fund.....	\$ 410 00	
	Alpha Phi Omega Student Loan Fund.....	700 00	
116.	Various donors: for the John J. Parry Memorial Loan Fund		70 00
	Georgia M. Gleyen.....	\$ 5 00	
	Fern W. Crane.....	10 00	
	Mrs. Jessie L. Fry.....	50 00	
	John P. Filo.....	5 00	
117.	Various donors: for the Class of 1915 Student Loan Fund..		535 00
	Ferdinand Sternmitz	\$ 25 00	
	University of Illinois Alumni Association.....	500 00	
	University of Illinois Foundation.....	10 00	
118.	Various donors: for the College of Veterinary Medicine Loan		
	Fund.....		750 00
	Auxiliary to the Illinois State Veterinary Medical		
	Association.....	\$ 100 00	
	Band Parents Association.....	100 00	
	Dow Chemical Company.....	50 00	
	Fox Valley Dog Training Club.....	500 00	
	<i>Total Student Loans</i>	\$	801 513 85

Funds for Graduate Fellowships and Research

119.	Allied Chemical Foundation, New York, New York: renewal		
	of two fellowships in the Department of Chemistry and		
	Chemical Engineering, 1965-66.....	\$	6 000 00
120.	American Oil Foundation, Chicago: for the American Oil		
	Foundation Fellowship in chemical engineering, 1965-66.....		5 670 00
121.	American Society of Tool and Manufacturing Engineers: fel-		
	lowship in mechanical engineering.....		5 670 00
122.	Archer Daniels Midland Company, Minneapolis, Minnesota:		
	fellowship in chemical engineering, 1965-66 and 1966-67.....		4 000 00
123.	Automotive Safety Foundation, Washington, D.C.: fellowship		
	in traffic engineering, 1965-66.....		2 200 00
124.	Champaign School District No. 4: fellowship in special edu-		
	cation		1 080 00
125.	Chemical Industries Council: to the Department of Chemistry		
	and Chemical Engineering for a Summer Session fellowship..		750 00
126.	Chrysler Corporation, Detroit, Michigan: to the Department		
	of Chemistry and Chemical Engineering for a fellowship in		
	the field of high pressure chemistry of solid state materials..		4 000 00
127.	The Civil War Round Table, Chicago: fellowship in history.		3 000 00
128.	Collins Radio Company, Cedar Rapids, Iowa: renewal of an		
	instructor-fellowship in electrical engineering.....		2 000 00
129.	Diamond Alkali Company, Painesville, Ohio: summer fellow-		
	ship in plant pathology.....		600 00
130.	Discoverer, Inc.: fellowship in psychology.....		3 000 00
131.	Douglas Aircraft Company, Inc., Santa Monica, California:		
	fellowship in aeronautical, electrical, or mechanical engineering		2 200 00
132.	Camille and Henry Dreyfus Foundation: fellowship.....		2 500 00
133.	E. I. du Pont de Nemours and Company, Wilmington, Dela-		
	ware: renewal of postgraduate teaching assistantship in chem-		
	istry.....		1 500 00
134.	Electrochemical Society: fellowship.....		800 00
135.	The Firestone Tire & Rubber Company, Akron, Ohio: re-		
	newal of the C. S. Marvel Fellowship in chemistry, 1966-67..		4 200 00
136.	Ford Foundation, New York, New York.....		30 787 44
	For a program of legislative internships with the		
	General Assembly of Illinois under administration		
	of the Institute of Government and Public Af-		
	fairs. This is a total grant of \$148,068 to assist in		
	financing for a six-year period a program of leg-		
	islative internships. Interns will be selected by a		
	committee which includes officers of the General		
	Assembly and representatives from Illinois In-		

	stitute of Technology, Northwestern University, Southern Illinois University, and the University of Chicago, besides the University of Illinois....	\$24 000 00
	Fellowship in economic development and administration.....	6 000 00
	Fellowship in business.....	787 44
137.	General Dynamics Corporation, San Diego, California: fellowship in physics, 1966-67.....	4 000 00
138.	The General Electric Foundation, Ossining, New York: graduate research and study grants of \$5,000 each in physics, applied mathematics and statistics, accounting and finance, 1965-66.....	15 000 00
139.	The General Foods Fund, Inc., New York, New York: two fellowships in home economics, 1965-66.....	6 000 00
140.	The Gillette Company, Boston, Massachusetts: for the Gillette-Toni Fellowship in the Department of Chemistry and Chemical Engineering, 1965-66.....	4 000 00
141.	Illinois Fertilizer Industry Association: for the A. L. Lang Fellowship in agronomy.....	500 00
142.	Illinois Seed Dealers Association, Inc., Urbana: for the W. L. Burlison Fellowship in agronomy.....	500 00
143.	Inland Steel-Ryerson Foundation, Inc., Chicago:.....	6 000 00
	Renewal of fellowship in mining and metallurgical engineering, 1965-66.....	\$ 3 500 00
	Fellowship in architectural engineering.....	2 500 00
144.	Jefferson Chemical Company, Inc., Houston, Texas: establishment of a Jefferson Chemical Teaching Fellow, to be alternated each year between chemistry and chemical engineering..	500 00
145.	Jones & Laughlin Steel Corporation, Pittsburgh, Pennsylvania: renewal of the Jones & Laughlin Steel Corporation fellowship, 1965-66.....	3 200 00
146.	Eli Lilly and Company, Indianapolis, Indiana: renewal of fellowship in organic chemistry.....	4 200 00
147.	The Lubrizol Corporation, Cleveland, Ohio: fellowship in chemistry, 1966-67.....	3 600 00
148.	Richard King Mellon Charitable Trusts, Pittsburgh, Pennsylvania: for the Mellon Fellowships in city planning and urban renewal.....	50 000 00
149.	Midwest Universities Consortium for International Activities: fellowship.....	123 00
150.	Minnesota Mining & Manufacturing Company, St. Paul, Minnesota: fellowships in chemistry, chemical engineering, and physics.....	11 250 00
151.	Monsanto Chemical Company, Monsanto, Illinois: fellowships in chemistry (\$3,000) and chemical engineering (\$4,000).....	7 000 00
152.	Motorola, Inc., Franklin Park: renewal of the Paul V. Galvin Fellowship in electrical engineering.....	2 500 00
153.	National Lead Company, Baroid Division, Houston, Texas: renewal of fellowship in geology, 1966-67.....	2 800 00
154.	National Society for Crippled Children and Adults and Alpha Gamma Delta International Women's Fraternity, Chicago: research and study grant for summer program on the education of children with minimal brain damage.....	2 000 00
155.	The Edward Orton Jr. Ceramic Foundation, Columbus, Ohio: fellowship in ceramic engineering.....	2 730 00
156.	Owens-Corning Fiberglas Corporation, Toledo, Ohio: renewal of fellowship in ceramic engineering, 1965-66.....	3 500 00
157.	Phillips Petroleum Company, Bartlesville, Oklahoma: fellowship, 1965-66.....	3 500 00
158.	Pittsburgh Plate Glass Company, Pittsburgh, Pennsylvania: fellowship in ceramic engineering.....	3 000 00
159.	The Procter & Gamble Company, Cincinnati, Ohio: fellowship in chemistry, 1965-66 and 1966-67.....	8 815 00
160.	Pure Milk Association, Chicago: fellowship in food technology.....	1 500 00

161. Radio Corporation of America, Camden, New Jersey: fellowship in electrical engineering, 1965-66.....	2 370 00
162. Resources for the Future, Inc., Washington, D.C.: doctoral dissertation fellowship in natural resources.....	3 820 00
163. Rohm and Haas Research Laboratories, Spring House, Pennsylvania: fellowship in chemistry and chemical engineering..	3 500 00
164. Shell Companies Foundation, Inc., New York, New York....	8 281 66
Fellowship in chemical engineering.....	\$ 4 161 66
Fellowship in geology.....	4 120 00
165. Sam S. Shubert Foundation, New York, New York: renewal of fellowship in playwriting, 1966-67.....	2 500 00
166. Sinclair Oil Corporation Foundation, New York, New York: fellowship in organic chemistry, 1965-66.....	2 500 00
167. Socony Mobil Oil Company, Inc., New York, New York: fellowships in chemistry.....	4 570 00
168. Speer Carbon Company, Niagara Falls, New York: fellowship in ceramic engineering.....	3 800 00
169. Sprague Electric Company, North Adams, Massachusetts: fellowship in physics.....	3 500 00
170. Standard Oil Company of California, San Francisco, California: renewal of fellowship in chemistry.....	3 650 00
171. Sun Oil Company, Philadelphia, Pennsylvania: fellowships in chemistry (\$4,720) and chemical engineering (\$4,800).....	9 520 00
172. Supervised Investors Services, Inc., Chicago: fellowship to promote the development of new teachers in electronics.....	2 000 00
173. Union Carbide Corporation.....	11 270 00
Olefins Division, Charleston, West Virginia: fellowship in chemistry and chemical engineering... \$	3 370 00
Tarrytown, New York: fellowship in physics....	3 950 00
Visking Division, Chicago: fellowship in chemical engineering	3 950 00
174. United States Rubber Company, Wayne, New Jersey: supplement fellowships in chemistry and chemical engineering, 1965-66	2 400 00
175. United States Steel Corporation, New York, New York: fellowship in physics, 1965-66 and 1966-67.....	7 800 00
176. Upjohn Company: fellowship in plant pathology.....	2 000 00
177. Various donors: to the Jane Addams Graduate School of Social Work for a fellowship.....	18 735 00
Chicago Community Trust.....	\$ 4 725 00
Chicago Youth Centers.....	600 00
University of Illinois Foundation.....	10 00
Weiboldt Foundation, Chicago.....	5 400 00
Woods Charitable Fund, Inc.....	8 000 00
178. Woodrow Wilson National Fellowship Foundation, Princeton, New Jersey: fellowships.....	22 000 00
179. Xerox Corporation, Rochester, New York: fellowship in solid state physics, 1965-66.....	5 300 00
	(345 692 10)
180. Abbott Laboratories, North Chicago.....	3 900 00
To the Radiocarbon Laboratory for unrestricted research.....	\$ 2 400 00
To the Department of Veterinary Pathology and Hygiene for studies on the activation of shipping fever.....	1 500 00
181. Agricultural Development Council, New York, New York: to the Department of Agricultural Economics for research of Arab economic integration.....	11 500 00
182. Agricultural Institute, St. Louis, Missouri: to the College of Agriculture for research.....	1 000 00
183. American Chemical Society, Washington, D.C.....	43 034 37
To the Department of Chemistry and Chemical Engineering for:	
Research	\$ 8 000 00
Study of mechanisms of radical reactions.....	2 000 00

	Study of the chemistry of a novel hydrocarbon...	7 000 00	
	Study of nuclear magnetic and electron spin resonance studies of hydrocarbons.....	3 391 41	
	Studies of flow field packed bed.....	5 300 00	
	Studies of transport with homogenous chemical reaction in a turbulent boundary layer.....	2 000 00	
	To the School of Life Sciences for studies of the biological functions of hydrocarbons.....	8 342 96	
	To the Department of Mining, Metallurgy, and Petroleum Engineering for a study of statistical prove media hydrodynamics.....	7 000 00	
184.	American Cyanamid Company, Princeton, New Jersey.....		3 200 00
	To the Department of Agronomy for field experiments with phosphoric acid.....	\$ 500 00	
	To the Illinois State Natural History Survey for a study on systemic insecticides for control of insects on wheat.....	2 700 00	
185.	American Dairy Association, Chicago: to the Department of Food Science for a study of sterilization on the stability of cream		8 950 00
186.	American Iron and Steel Institute, New York, New York....		56 875 00
	To the Department of Civil Engineering for studies of beam configuration.....	\$15 000 00	
	To the Department of Mining, Metallurgy, and Petroleum Engineering for study of the possible control of corrosion of structural steels using anodic inhibition as a means of treating steel surfaces before being put into use.....	12 500 00	
	To the Department of Theoretical and Applied Mechanics for studies of welded wire fabric for reinforced concrete	29 375 00	
187.	American Oil Co., Whiting, Indiana: to the Department of Agronomy to investigate the use of nonphytotoxic oils as additives to herbicide solutions.....		1 000 00
188.	American Petroleum Institute: to the Department of Mining, Metallurgy, and Petroleum Engineering.....		14 600 00
	Performing an analysis of idealized models of capillary flow with special attention given to the effect of moving interfacial boundary conditions..	\$ 9 600 00	
	Research in energy of solids.....	5 000 00	
189.	American Society of Heating, Refrigeration and Air Conditioning Engineers, Inc., New York, New York: to the Department of Mechanical and Industrial Engineering for studies Refrigeration evaporation	\$ 4 440 00	7 440 00
	Steam and condensate flow in pipes.....	3 000 00	
190.	American Steel & Wire Company, Cleveland, Ohio: to the Department of Theoretical and Applied Mechanics for a study on behavior of deformed wire fabric in concrete.....		15 000 00
191.	American Wood-Preservers' Association, Washington, D.C.: to the Department of Forestry for post treating research.....		425 00
192.	Amsted Industries, Inc.: to the Department of Ceramic Engineering for a study of steel casting refractories.....		30 000 00
193.	Andrew Corporation: to the College of Engineering for research by an assistant in electrical engineering.....		6 500 00
194.	Avnet, Inc.: to the Department of Ceramic Engineering, four hundred shares of Avnet, Inc., proceeds to be used for a study of ceramic metal reactions.....		7 050 00
195.	Ayerst Laboratories, Fairchild, New Jersey: to the Department of Animal Science for research on estrus and ovulation in gilts		2 950 00
196.	Bear Hybrid Corn Company, Incorporated: to the Department of Agronomy for corn research.....		2 500 00

197.	Biological Science curriculum study.....	18 750 00
	To the Department of Educational Psychology for development of prototype programs instruction materials.....	\$ 8 250 00
	To the Department of Special Education for studies analyzing classroom interactions between students and teachers in connection with teaching of the biological sciences.....	10 500 00
198.	California Chemical Company, Richmond, California: to the Illinois State Natural History Survey to determine the effect of diquat on aquatic plants.....	2 500 00
199.	The Carle Foundation, Urbana: to the Department of Physiology and Biophysics.....	390 68
	Studies of water soluble opaque media.....	\$ 262 68
	Studies of shock therapy.....	128 00
200.	Caterpillar Tractor Co., Peoria.....	19 700 00
	To the Department of Mechanical and Industrial Engineering for fundamental studies in the area of highly supercharged diesel engine combustion..	\$ 6 500 00
	To the Department of Theoretical and Applied Mechanics for research on hydraulic fluid flow...	13 200 00
201.	Champaign County Development Council: to the Department of Architecture for studies of improvement of University Avenue.....	3 000 00
202.	Champaign Production Credit Association: to the Department of Vocational and Technical Education for study of education for efficient use of agricultural production credit.....	1 800 00
203.	Chicago Copper & Chemical Co.: to the Department of Ceramic Engineering for a study of ferroelectric characteristics of rare earth-barium titanate processing.....	3 800 00
204.	Chicago Heart Association: to the Department of Food Science.....	23 100 00
	Studies of the interrelationship between unsaturated fatty acid and cholesterol metabolism.....	\$ 6 600 00
	Studies of the functions of various sulfated polysaccharides and mucopolysaccharides in normal and abnormal lipoprotein metabolism.....	6 600 00
	Research on the origin and function of bound lipids in the aorta and their relationship to lipid metabolism.....	9 900 00
205.	Cincinnati Milling Machine Co.: to the Department of Mechanical and Industrial Engineering for studies of machine tool structure.....	6 000 00
206.	Conference on Electron Device Research: to the Department of Electrical Engineering for unrestricted research.....	400 00
207.	Crop-Hail Insurance Actuarial Association, Chicago: to the Illinois State Water Survey for a study of factors producing hailstorms in Illinois.....	9 000 00
208.	The Dow Chemical Company, Midland, Michigan.....	7 825 00
	To the Department of Animal Science for research on utilization of nitrogen by ruminants with particular emphasis upon biuret nitrogen....	\$ 5 000 00
	To the Department of Dairy Science for a study of metabolism of propylene glycol in lactating dairy cows.....	1 000 00
	To the Department of Plant Pathology for research on fungicides.....	1 000 00
	To the Department of Veterinary Research for research in veterinary medicine.....	825 00
209.	E. I. du Pont de Nemours & Company.....	27 200 00
	To the Department of Mechanical and Industrial Engineering for research in the summer of 1966..	\$ 2 200 00

	For fundamental research and graduate study in chemistry (\$15,000), physics (\$5,000), and chemical engineering (\$5,000).....	25 000 00	
210.	Eastman Kodak Company, Rochester, New York: renewal of Eastman Kodak research grants in physics.....		11 500 00
211.	Fats & Proteins Research Foundation, Inc., Des Plaines: to the Department of Agronomy for research on the use of fat-derived surfactants in herbicide sprays.....		500 00
212.	The Ford Foundation, New York, New York: to the Institute of Labor and Industrial Relations for research and training program in cooperation with Institute of Management and Labor Studies at Keio University, Tokyo, Japan.....		73 000 00
213.	FS Services, Inc., Chicago.....		7 300 00
	To the Department of Agricultural Engineering for a study on improvement of farm tractor maintenance.....	\$ 5 000 00	
	To the Department of Animal Science for research on swine nutrition.....	2 000 00	
	To the Department of Dairy Science for research in dairy cattle feeding.....	300 00	
214.	Geigy Chemical Corporation.....		1 750 00
	To the Illinois State Natural History Survey for studies of insecticides on Illinois field, forage, and vegetable crops.....	\$ 1 000 00	
	To the Department of Plant Pathology for studies of fruit diseases and their control.....	750 00	
215.	General Electric Company: to the Department of Electrical Engineering for research and development of an optical spectrum analyzer.....		2 400 00
216.	W. R. Grace and Company, Baltimore, Maryland: to the Department of Ceramic Engineering for research on ultra-fine ceramic particles.....		20 000 00
217.	Graham Foundation for Advanced Studies in Fine Arts, Chicago: to the Department of Architecture for a graduate studies project.....		2 000 00
218.	Griffin Wheel Company, Chicago: to the Department of Theoretical and Applied Mechanics for a study of railway wheels..		15 000 00
219.	Hercules Powder Co., Wilmington, Delaware.....		1 446 95
	To the Department of Agronomy for research on herbicides.....	\$ 446 95	
	To the Department of Plant Pathology for studies of control of fruit diseases with fungicides.....	1 000 00	
220.	Hoffman-LaRoche, Inc., Nutley, New Jersey.....		10 000 00
	To the Department of Animal Science for studies of the effect of sulfonamides on the nutrition of the non-ruminant.....	\$ 4 000 00	
	To the Department of Chemistry and Chemical Engineering for studies in x-ray crystallography..	6 000 00	
221.	Illinois Agricultural Association, Bloomington: to the Department of Vocational and Technical Education for research on education relating to cooperative organizations in rural areas.....		2 920 00
222.	Illinois Crop Improvement Association, Urbana: to the Department of Agronomy for soybean research.....		3 000 00
223.	Illinois Farm Electrification Council.....		19 215 00
	To the Department of Agricultural Engineering for studies of rural electrification:		
	Association of Illinois Electric Cooperatives.....	\$ 7 000 00	
	Central Illinois Electric & Gas Co.....	700 00	
	Central Illinois Light Co.....	550 00	
	Central Illinois Public Service Co.....	2 065 00	
	Commonwealth Edison Co.....	3 500 00	
	Illinois Power Co.....	2 450 00	

Interstate Power Co.....	52 00
Iowa-Illinois Gas & Electric Co.....	60 00
Mt. Carmel Public Utility Co.....	100 00
Union Electric Co.....	43 00
To the Department of Agricultural Engineering for research in corn processing known as dehydro- fridation:	
Central Illinois Light Co.....	\$ 355 00
Commonwealth Edison Co.....	2 275 00
Iowa-Illinois Gas & Electric Company.....	40 00
Union Electric Co.....	25 00
224. Illinois Federation of Women's Clubs: to the Department of Food Science for lipid research.....	1 000 00
225. Illinois Foundation Seeds, Champaign.....	10 000 00
To the Department of Agronomy for corn re- search.....	
To the Department of Plant Pathology for corn research.....	
226. Illinois Heart Association, Springfield: to the Department of Food Science for support and maintenance of the Burn- sides Research Laboratory for the School Science Program..	4 000 00
227. Illinois Landscape Contractors Association: to the Depart- ment of Horticulture for research and extension work on turf problems	200 00
228. Illinois State Florist Association, Urbana: to the Department of Horticulture for research to extend the gas lines in the floriculture greenhouses	900 00
229. Illinois State Turkey Growers Association, Champaign: to the Department of Veterinary Pathology and Hygiene for research on diseases of turkeys.....	2 921 00
230. Illinois Turfgrass Foundation, Inc., Champaign: to the De- partment of Horticulture for turfgrass research.....	1 800 00
231. State of Indiana: to the Library Research Center for a com- parative study of library statistics and state agencies.....	3 106 00
232. Institute of Boiler and Radiator Manufacturers, New York, New York: to the Department of Mechanical and Industrial Engineering for a study of steam and water heating.....	48 000 00
233. International Lead Zinc Research Organization: to the De- partment of Civil Engineering to evaluate the behavior of galvanized steel structures.....	27 500 00
234. International Minerals and Chemical Corporation, Chicago: to the Department of Agronomy for an agronomic evaluation of 2, 3, 5-triiodobenzoic acid (TIBA) on soybeans.....	8 000 00
235. Johnson & Johnson: to the Department of Veterinary Physi- ology and Pharmacology for studies of the muscle relaxing properties of chlorzoxazone in horses.....	3 000 00
236. Joint Committee for Research on Television and Children, Cambridge, Massachusetts: to the Institute of Communica- tions Research for research on the effects of repetition in the television viewing of children.....	14 406 00
237. Joseph P. Kennedy Foundation and Professor Samuel A. Kirk: to the Institute for Research on Exceptional Children, through the University of Illinois Foundation, for research on mental retardation.....	17 000 00
(In December, 1962, Dr. Samuel A. Kirk, Director of the Institute for Research on Exceptional Children and Chairman of the Department of Special Education, received an award from the Joseph P. Kennedy Foundation in recognition of his work on mentally retarded children. In September, 1963, Dr. Kirk turned over to the University of Illinois Foundation part of his award, to be given to the Institute in annual increments for his research work.)	

238.	Kraft Paper Assoc., Inc., New York, New York: to the Department of Horticulture for a study of mulching technology with manufactured materials.....	4 500 00
239.	Life Insurance Medical Research Fund, Hartford, Connecticut: to the Department of Physiology and Biophysics for research of muscle biophysics.....	9 900 00
240.	Eli Lilly & Co., Indianapolis, Indiana.....	12 200 00
	To the Department of Animal Science for a study of the effect of a diethylstilbestrol methyltestosterone mixture in the diet upon carcass quality of finishing swine.....	\$ 3 000 00
	To the Department of Animal Science for a study of the influence of cretain hormones in the diet of finishing pigs.....	3 200 00
	To the Department of Zoology for research on parasitic helminth immunity and mosquito serology.....	6 000 00
241.	Longwood Foundation, Inc., Wilmington, Delaware: to the Department of Plant Pathology for studies of orchid necrotic petal spot.....	3 000 00
242.	Lumber Dealers Research Council: to the Small Homes Council-Building Research Council to study details of residential stair construction and to develop and systemize methods of stair assembly and prefabrication suitable for utilization in the operation of the retail lumber dealer.....	3 325 00
243.	The Magnavox Corporation, Fort Wayne, Indiana: to the Department of Electrical Engineering for research in analysis and synthesis of musical instrument tones and development of a new electronic musical instrument.....	20 000 00
244.	Malting Barley Improvement Association, Milwaukee, Wisconsin: to the Department of Agronomy for a barley variety testing program.....	345 00
245.	Merck & Co., Inc., Rahway, New Jersey: to the Department of Animal Science for research on growth stimulants for swine.....	500 00
246.	Midwest Agricultural Limestone Institute, Kankakee: to the Department of Agronomy for studies on soil management research.....	500 00
247.	Midwest Universities Consortium.....	14 530 47
	To the Department of Agronomy for the Siniissippi Forest Trust Fund in support of forestry research.....	\$ 4 590 47
	To the Department of Agronomy for support of studies undertaken by a faculty member prior to a two-year assignment in India.....	2 040 00
	To the Library for support of studies undertaken by a faculty member prior to an assignment in India.....	7 900 00
248.	Miles Laboratories, Inc., Elkhart, Indiana: to the Department of Food Science for a study of rennin substitutes.....	6 500 00
249.	Mrs. C. Philip Miller, Chicago: for the Siniissippi Forest Trust Fund in support of forestry research.....	3 541 68
250.	Monsanto Chemical Company, St. Louis, Missouri: to the Department of Agronomy for herbicide investigations.....	3 000 00
251.	Moorman Manufacturing Co., Quincy: to the Department of Animal Science for studies on the nutritional quality of pig starter rations.....	2 600 00
252.	Morris Animal Foundation: to the Department of Veterinary Pathology and Hygiene for research on canine babesiosis....	3 000 00
253.	National Lime Association, Washington, D.C.: to the Department of Geology for a study by x-ray diffraction and other methods the reactions in the clay mineral and other mineral components of various types of soils when treated with lime for the purpose of stabilization for road surfaces.....	25 216 55

254. National Livestock and Meat Board: to the Department of Food Science for a study of the role of linoleic acid in depression of serum cholesterol.....	8 500 00
255. National Lumber & Building Material Dealers Association: to the Small Homes Council-Building Research Council for studies of the feasibility of the retail lumber dealer entering into the manufacture of mobile homes.....	1 904 00
256. National Orchid Growers Association, Inc., New York, New York: to the Department of Plant Pathology for orchid virus research.....	3 500 00
257. National Roofing Contractors Association, Chicago: to the Small Homes Council-Building Research Council for a study of roofing failures.....	2 700 00
258. National Safety Council, Chicago: to the Department of Health and Safety Education for research on quickness of braking methods	1 000 00
259. National Sand and Gravel Association: to the Department of Landscape Architecture for conducting an investigation on site development problems relating to locating, operating, and rehabilitating sand and gravel pit operations, including planning and pre-planning procedures, restoration methods, and determination of appropriate interim or permanent re-use potentials of sites so used.....	9 000 00
260. National Soybean Processors Association, Chicago: to the Department of Agronomy for research on the ecological studies of soybeans.....	3 500 00
261. National Steel Corporation: to the Department of Civil Engineering for evaluation of fatigue behavior of welded joints in N-A-Xtra high-strength steels.....	7 335 00
262. National Warm Air Heating & Air Conditioning Association, Cleveland, Ohio: to the Department of Mechanical and Industrial Engineering for a study of heating, ventilating, and air conditioning as related to warm air furnace heating.....	13 900 00
263. New York Central Railroad Co.: to the Department of Civil Engineering	17 275 00
A study of lateral rotative wheel slips.....	\$ 2 775 00
Development of a mathematical model to simulate the operation of cushioned cars in long trains....	14 500 00
264. Northern Illinois Breeding Co-op, Hampshire.....	5 500 00
To the Department of Animal Science for studies of artificial insemination of swine.....	\$ 500 00
To the Department of Dairy Science for artificial breeding research.....	5 000 00
265. Northern Illinois Gas Company: to the Small Homes Council-Building Research Council for studies of the economic value of insulation.....	12 420 00
266. The Norwich Pharmacal Company, Norwich, New York: to the Department of Veterinary Medical Science for studies of endometrial changes.....	5 705 40
267. Olin Mathieson Chemical Corp., East Alton: to the Department of Mechanical and Industrial Engineering for research in mechanical engineering laboratory.....	1 000 00
268. Pennsalt Chemicals Corporation, Aurora: to the Department of Plant Pathology for fruit research.....	500 00
269. Charles Pfizer and Co., New York, New York: to the Department of Animal Science to study and evaluate amino acids, unidentified growth factors, vitamins, and antibiotics in swine.....	2 000 00
270. Poultry and Egg National Board, Chicago: to the Department of Food Science for cholesterol research.....	20 000 00
271. Refrigeration Research Foundation, Washington, D.C.: to the Department of Mechanical and Industrial Engineering for analytical and experimental studies of the performance of air curtains	1 258 80

272. Research Corporation, New York, New York: Frederick Gardner Cottrell research grant-in-aid.....	5 000 00
273. Resources for the Future, Inc., Washington, D.C.: to the Department of Agricultural Economics for a study of economic aspects of the pesticide problem in the United States..	14 752 00
274. Rohm and Haas Co., Philadelphia, Pennsylvania: to the Department of Plant Pathology for research on fungicides.....	1 500 00
275. Shell Chemical Corporation, New York, New York: to the Illinois State Natural History Survey for renewal of studies of chlorinated hydrocarbon compounds as insecticides.....	2 500 00
276. Shell Development Company, Emeryville, California: to the Illinois State Natural History Survey for a study of the ecology and control of insects on truck crops.....	800 00
277. Sinclair Research, Inc.: to the College of Engineering for on-going research by a graduate student.....	250 00
278. Alfred P. Sloan Foundation, Inc., New York, New York.... To the Department of Chemistry and Chemical Engineering for research.....	66 050 00
To the Department of Physics for research.....	\$55 355 00
To the Department of Physics for research.....	10 695 00
279. Smith, Kline and French Laboratories, Philadelphia, Pennsylvania: to the Children's Research Center for support of research in child psychopharmacology.....	500 00
280. Socony Mobil Oil Company, Inc., Princeton, New Jersey: to the Department of Chemistry and Chemical Engineering for research in the field of metal coordination complexes.....	4 000 00
281. Soft Phosphate Research Institute, Inc., Ocala, Florida: to the Department of Animal Science for studies on phosphate utilization.....	1 000 00
282. Sonic Research Foundation, Chicago: to the Department of Electrical Engineering for acoustics research.....	2 000 00
283. Special Dairy Industry Board, Washington, D.C.: to the Department of Food Science for a study of the influence of the major fatty acids in milk fat on serum cholesterol levels.....	20 500 00
284. A. E. Staley Manufacturing Co., Decatur: to the Department of Animal Science for research of mineral nutrition of young swine	4 500 00
285. Stauffer Chemical Company: to the Department of Veterinary Pathology and Hygiene for helminthology and prolooyootogy research	1 500 00
286. The Sulphur Institute, Washington, D.C.: to the Department of Agronomy for research of organic sulphur in soils.....	3 500 00
287. Sun Oil Co., Philadelphia, Pennsylvania: to the Department of Agronomy for research with herbicides that include petroleum products for weed control in field crops.....	500 00
288. Tee Pak Foundation, Chicago: to the Department of Food Science for a study on various types of films as retardants to deterioration of meat and meat products.....	4 300 00
289. Union Carbide Corporation: to the Illinois State Natural History Survey for studies on control of insect pests with insecticides on Illinois field, forage, and vegetable crops.....	750 00
290. United Engineering Trustees, Inc.: to the Department of Civil Engineering.....	49 000 00
Study systems design procedures for the planning of construction operations.....	\$15 000 00
An investigation of welding procedure.....	12 000 00
Study of structural joints — riveted and bolted... ..	22 000 00
291. United Nations Educational, Scientific, and Cultural Organization: to the Department of Chemistry and Chemical Engineering for research on serum albumine.....	500 00
292. United States Rubber Company, Naugatuck, Connecticut: to the Department of Horticulture for fruit research.....	500 00
293. University of Arizona, Tucson, Arizona: to the Department of Chemistry and Chemical Engineering for research.....	2 120 98

294.	University of Illinois Foundation.....	6 500 00
	To the Department of Electrical Engineering for antenna research	\$ 3 500 00
	To the Institute for Communications Research for studies of social and political movements.....	3 000 00
295.	University of Michigan: to the Institute of Labor and Industrial Relations for a study of the adjustment by employers, unions, and workers in twenty selected firms to the employment of Negro workers in new jobs.....	3 340 22
296.	Upjohn Co.....	3 000 00
	To the Department of Animal Science for study of techniques using synthetic progesterones to control ovulation in domestic animals.....	\$ 2 000 00
	To the Department of Microbiology for graduate research.....	1 000 00
297.	Various donors: to the Department of Agricultural Economics for a special economic study of forty-three counties in Illinois now being considered for federal order regulation..	2 500 00
	Champaign County Milk Producers.....	\$ 38 75
	Madison Milk Prod. Co-op Dairy.....	252 50
	Prairie Farms Dairy.....	766 75
	Peoria Milk Producers.....	53 50
	Peoria Producers Dairy.....	126 25
	Pure Milk Association.....	660 25
	Sanitary Milk Producers.....	407 75
	Square Deal Milk Producer.....	194 25
298.	Various donors: to the Department of Architecture for a project by graduate students to decide the most effective plan for the construction and improvement of streets in Columbus, Indiana	700 00
	Cummins Engine Foundation.....	\$ 400 00
	Irwin Sweeney-Miller Foundation.....	300 00
299.	Various donors: to the Department of Art for curriculum studies in industrial design.....	1 750 00
	Armco Steel Corporation.....	\$ 1 000 00
	General Motors Corporation.....	750 00
300.	Various donors: to the Department of Architecture for a project in the Graduate Urban Design Studio concentrating on design alternatives for the future of the downtown area as well as the entire community.....	8 000 00
	Jacksonville Growth Organization.....	\$ 3 000 00
	Marion County Metro Planning Commission.....	5 000 00
301.	Various donors: to the Illinois State Natural History Survey for studies of insecticides on Illinois field crops.....	800 00
	Stauffer Chemical Co.....	\$ 500 00
	Woodbury Chemical Co.....	300 00
302.	Various donors: to the Department of Plant Pathology for orchid virus research.....	700 00
	New York Florists' Club, Inc., New York, New York.....	\$ 500 00
	Society of American Florists & Ornamental Horticulturists, Washington, D.C.....	200 00
303.	Velsicol Chemical Corporation, Chicago: to the Department of Zoology for research on the toxicology of insecticides....	3 500 00
304.	VioBin Corporation, Monticello: to the College of Physical Education for studies of the influence of wheat germ oil on physical fitness tests.....	4 800 00
305.	Wenner-Gren Foundation for Anthropological Research: to the Department of Electrical Engineering for anthropological research.....	750 00
306.	Yale University: to the Department of Psychology for research.....	6 082 51
		(1 109 357 61)
	<i>Total, Funds for Graduate Fellowships and Research....</i>	<i>\$1 455 049 71</i>

*Funds for Educational, Research, Cultural, and Recreational Purposes
Not Otherwise Classified*

307. American Chemical Society, Washington, D.C.: to the Department of Chemistry and Chemical Engineering, an unrestricted grant	\$ 10 000 00
308. American Cyanamid Company, Wayne, New Jersey: to the Cyanamid Faculty Support Grant in the Department of Chemistry and Chemical Engineering, 1966.....	3 000 00
309. American Library Association, Chicago: to the Department of Secondary and Continuing Education for the Knapp School library project	6 545 00
310. American Mathematical Society: for the <i>Illinois Journal of Mathematics</i>	1 350 00
311. American Psychological Association, Inc.: to the Department of Psychology for the <i>Journal of Experimental Psychology</i>	1 850 00
312. American Society for Microbiology: to the Department of Microbiology to cover expenses in the operation of the editorial office for the <i>Journal of Bacteriology</i>	1 684 00
313. Amsted Industries Foundation: to the Department of Accountancy for special projects.....	250 00
314. Andersen Corporation: to the Small Homes Council-Building Research Council for extension short course purposes.....	880 91
315. The Babcock & Wilcox Company, New York, New York: to the College of Engineering, an unrestricted grant for engineering and technical education, 1966-67.....	3 000 00
316. Bell Telephone Laboratories: to the Department of Electrical Engineering, an unrestricted grant in support of work of Bell trainees in a one-year study program.....	6 000 00
317. Estate of Katherine Hilson Blake: establishment of an endowment fund, the income to be used for scholarships of \$250 to \$300 per year.....	6 140 73
318. Boulder Valley School District: to the College of Education to establish centers in the Far East where high school teachers might study.....	1 800 00
319. California Company, New Orleans, Louisiana: to the Department of Geology, an unrestricted grant.....	500 00
320. Estate of Grace V. Campbell: establishment of an endowment fund, the income to be used for scholarships.....	500 00
321. Campbell Soup Company: to the College of Agriculture, an unrestricted grant	2 500 00
322. Central Illinois Public Service Co.: to the Department of Mechanical and Industrial Engineering for power systems engineering	300 00
323. Chevron Oil Company, The California Company Division, New Orleans, Louisiana.....	1 000 00
To the Department of Geology, an unrestricted grant.....	\$ 500 00
To the Illinois State Natural History Survey, an unrestricted grant	500 00
324. Chicago Bridge and Iron Foundation, Chicago: assistantship in civil engineering.....	7 000 00
325. Commission on Engineering Education, Washington, D.C.: to the College of Engineering for improvement of engineering education.....	50 000 00
326. Discoverer, Inc.: to the Department of Psychology for institutes in integrity therapy and related projects.....	6 000 00
327. The Dow Chemical Company, Midland, Michigan: unrestricted grants	9 500 00
Department of Chemistry and Chemical Engineering.....	\$ 6 000 00
Department of Agronomy.....	3 000 00
Department of Mining, Metallurgy, and Petroleum Engineering	500 00

328. The Camille and Henry Dreyfus Foundation, Inc., New York, New York: to the Department of Chemistry and Chemical Engineering, an unrestricted grant for use in the areas of physical sciences and engineering.....	10 000 00
329. The Doris Duke Foundation, New York, New York: to the Center for Russian Language and Area Studies renewal of grant for a five-year period.....	153 426 00
330. E. I. du Pont de Nemours & Company, Wilmington, Delaware: to the Department of Chemistry and Chemical Engineering, an unrestricted grant.....	1 500 00
331. Eastman Kodak Company, Rochester, New York..... Renewal of Eastman Kodak Scientific Award in the Departments of Chemistry and Chemical Engineering and Physics for outstanding doctoral students in recognition of unusual achievement or progress either in graduate studies and research or in teaching..... \$ 2 000 00 To the Department of Chemistry and Chemical Engineering, an unrestricted grant.....	11 500 00 13 500 00
332. Eckert Orchards, Inc., Belleville: to the Department of Plant Pathology for lease of an orchard sprayer.....	526 40
333. Ernst & Ernst: to the Department of Accountancy to promote accounting excellence.....	1 000 00
334. Esso Research and Engineering Company, Linden, New Jersey: to the Department of Chemistry and Chemical Engineering to further excellence in its graduate training and research or in its undergraduate teaching.....	3 500 00
335. Estate of Fanny C. Goodwin: establishment of an endowment fund, the income to be used for scholarships in the Library School.....	5 000 00
336. The Ford Foundation, New York, New York..... To the Department of General Engineering for a developmental program in engineering design education for a period of three years..... \$120 000 00 To the University Press for support of scholarly publications in the humanities and the social sciences	140 000 00 20 000 00
337. Ford Motor Company, Dearborn, Michigan: to the Department of Mechanical and Industrial Engineering for development of laboratory facilities.....	5 000 00
338. Foundry Educational Foundation, Cleveland, Ohio: to the Department of Mechanical and Industrial Engineering for attending meetings and events of special interest to the foundry industry and/or for miscellaneous expenditures in connection with the operation of the cast metals program.....	250 00
339. Gem City Vineland Co., Inc., Nauvoo: to the Department of Plant Pathology for leasing of an orchard sprayer.....	208 34
340. General Motors Corporation, Delco Radio Division: to the College of Engineering for support of a Visiting Industrial Associate under the Midwest Electronics Research Center Program	10 000 00
341. Highland Park High School: to the Department of Educational Administration and Supervision for an internship at Highland Park High School.....	7 750 00
342. Humble Oil Education Foundation..... To the Department of Electrical Engineering, an unrestricted grant	4 500 00 \$ 1 000 00
To the College of Engineering, an unrestricted grant.....	3 500 00
343. Illinois Archaeological Survey: to the Department of Anthropology for the highway salvage program.....	2 910 41
344. Illinois Crop Improvement Association, Urbana: to the Department of Agronomy for purchase of equipment.....	699 70

345. Illinois Federation of Labor and Congress of Industrial Organizations: to the Institute of Labor and Industrial Relations for the Dollar for Education Fund.....	65 00
346. Illinois Foundation F.F.A., Springfield: to the Department of Vocational Agriculture for the public information project....	3 000 00
347. Illinois Producers Livestock Association: to Veterinary Medicine Extension for promotion of swine health programs.....	1 500 00
348. Industrial Publications, Inc.: to the Department of Ceramic Engineering for the C. W. Parmelee Memorial.....	195 00
349. Inland Steel-Ryerson Foundation, Inc.: to the Department of Architecture, an unrestricted grant.....	1 000 00
350. Institute of Mathematical Statistics, Stanford, California: to the Department of Mathematics for annals of mathematical statistics.....	2 200 00
351. International Business Machines Corporation, New York, New York: to the Department of Computer Science, final installment of an unrestricted grant of \$125,000 in the field of electronic computers	50 000 00
352. Charles F. Kettering Foundation, Dayton, Ohio.....	40 142 00
For the Charles F. Kettering Visiting Lectureship in Chemistry	\$10 000 00
To the Department of Secondary and Continuing Education for development of a program for the preparation of teachers for schools in disadvantaged areas	30 142 00
353. Harry J. Loman Foundation: to the Department of Finance to assist students in insurance education defray expenses related to preparation of papers for the senior seminar.....	150 00
354. Masonite Corporation, St. Charles: to the Department of Art for the industrial design option.....	500 00
355. The Mead Corporation, Chillicothe, Ohio: unrestricted grants of \$250 each to the Departments of Mechanical and Industrial Engineering and Chemistry and Chemical Engineering.....	500 00
356. Midwest Universities Consortium.....	70 145 81
To the College of Veterinary Medicine to pay salary for a faculty member in preparation for a trip to India.....	\$ 4 000 00
To the College of Agriculture for expenses incurred in writing a history of Uttar Pradesh University, India	7 000 00
Reimbursement for expenses in operating the Consortium's programs	51 080 81
Acquisition of library materials on Southeast Asia	1 500 00
educational planning in Sierra Leone.....	6 565 00
357. Mueller Company, Decatur: to the Department of Mechanical and Industrial Engineering, an unrestricted grant.....	1 050 00
358. Music Educators National Conference: to the School of Music for a contemporary music project for the teaching and performance of avant garde music.....	4 000 00
359. National Federation of Music Clubs: to the School of Music, an unrestricted award for the distinguished record established throughout the academic year for the performance of American contemporary music.....	500 00
360. National Plant Food Institute: to the College of Agriculture for the National Soybean Symposium, which will be a part of the University Centennial observance.....	2 500 00
361. National Social Welfare Assembly, Inc.: to the College of Law for reimbursement for expenses incurred in a visit of law students from Venezuela.....	100 00
362. North Country Library System, Watertown, New York: to the Library Research Center for a survey of library research and reference resources in the north country area of New York State	9 187 50

363. Pan American Petroleum Company: to the Department of Geology, an unrestricted grant.....	300 00
364. Pittsburgh Plate Glass: to the Department of Urban Planning, an unrestricted grant.....	750 00
365. The Producers' Council, Inc., Washington, D.C.: to the Department of Architecture for educational programs.....	1 000 00
366. Radio Corporation of America, Camden, New Jersey: to the Department of Electrical Engineering, an unrestricted grant..	2 000 00
367. Estate of Thomas P. Roberts: thirty-six shares of Pitney-Bowes stock, proceeds from the sale of which to be used for scholarships.....	1 507 71
368. The Rockefeller Institute, New York, New York: to the Department of Chemistry and Chemical Engineering for the <i>Journal of General Physiology</i>	4 200 88
369. Sears Roebuck Foundation: to the Department of Urban Planning, an unrestricted grant.....	1 000 00
370. Mrs. Sundaram Seshu, Urbana: to establish the Sundaram Seshu Endowment Fund, the income to be used for a fellowship in engineering.....	10 800 00
371. Alfred P. Sloan Foundation, Inc.: to the Department of Chemistry and Chemical Engineering for purchase of equipment.....	2 000 00
372. Sperry and Hutchinson: for program of lectures sponsored by the College of Law.....	2 000 00
373. Standard Oil (Indiana) Company: to the Office of Instructional Resources for a special award in recognition of outstanding contributions to undergraduate education and value of projects for the over-all improvement of undergraduate instruction.....	1 000 00
374. Treasurer of the State of Missouri: to the Graduate School of Library Science for consulting services.....	961 00
375. Union Carbide Corporation, Tarrytown, New York: to the Department of Physics, an unrestricted grant.....	5 000 00
376. United Engineering Trustees, Inc.: to the Department of Civil Engineering.....	8 000 00
Assisting in placing the results of many flexural fatigue tests in final form for publication.....	\$ 2 000 00
Expenses involved in the Column Research Council chairmanship.....	6 000 00
377. United States Steel Corporation, New York, New York: to the Department of Architecture, an unrestricted grant.....	20 000 00
378. University of Illinois Foundation.....	12 252 63
Contributions to endowment funds.....	\$ 2 306 34
To the Department of History for a Conference on Chinese Civilization.....	4 321 00
To the Department of Speech and Theatre for teaching aids.....	55 00
To the Department of Physical Education for Men for clinic equipment for physical therapy....	100 00
For the James Webb Young Fund in Advertising	5 470 29
379. U.O.P. Foundation (formerly Universal Oil Products Company Foundation): to the Department of Chemistry and Chemical Engineering, an unrestricted grant.....	500 00
380. The Upjohn Company, Kalamazoo, Michigan: to the Department of Chemistry and Chemical Engineering, an unrestricted grant for spectrophotometer.....	3 000 00
381. Various donors: to the Department of Accountancy for the International Accountancy Center.....	12 002 00
382. Various donors: to the College of Agriculture for urban 4-H club work in the Chicago area.....	9 227 43
383. Various donors: to the College of Agriculture for agricultural communications training.....	3 645 00
Board of Trade, City of Chicago.....	\$ 1 500 00

	Deere & Co.....	300 00	
	Doane Agricultural Service, Inc.....	50 00	
	Farm Journal.....	400 00	
	Gardner Advertising Company.....	200 00	
	Laura Lane.....	20 00	
	Miller Publishing Company.....	50 00	
	Moorman Company Fund.....	300 00	
	National Agricultural Advertising & Marketing Association.....	275 00	
	Jim Roe & Associates, Inc.....	450 00	
	Watt Publishing Co.....	100 00	
384.	Various donors: to the Department of Art for support of a meeting to study establishment of a photographic archive of the city of Chicago.....		800 00
	Graham Foundation for Advanced Studies in the Fine Arts.....	\$ 500 00	
	Illinois Arts Council.....	300 00	
385.	Various donors: for the Isabel Bevier Lectureship in home economics		100 00
386.	Various donors: to the Department of Civil Engineering for the Civil Engineering Systems Laboratory.....		6 695 00
	Charles N. Bohren, Inc.....	\$ 105 00	
	Control Data Corporation.....	30 00	
	Felmley-Dickerson Co.	3 050 00	
	International Business Machines Corp.....	3 000 00	
	W. F. Kuntemeier.....	15 00	
	LeTourneau-Westinghouse Co.....	15 00	
	W. E. O'Neil Construction Co.....	480 00	
387.	Various donors: for the J. W. and Therese Garner Endowment Fund, the income to be used for a fellowship in political science.....		132 69
388.	Various donors: to the Office of Foreign Student Affairs for foreign student activities.....		949 14
	American Friends of the Middle East.....	\$ 264 92	
	Institute of International Education.....	138 69	
	National Association for Foreign Student Affairs.....	20 03	
	National Social Welfare Assembly, Inc.....	40 00	
	Young Men's Christian Association.....	460 50	
	Zeta Phi Eta.....	25 00	
389.	Various donors: for the Junior Engineering Technical Society.....		2 730 00
	American Institute of Industrial Engineering.....	\$ 20 00	
	Chicago Section, American Institute of Chemical Engineering, and Corn Products Company.....	20 00	
	American Institute of Mining, Metallurgy, and Petroleum Engineers.....	20 00	
	American Society of Chemical Engineers.....	20 00	
	American Society for Testing Materials.....	20 00	
	Amphenol Borg Foundation.....	100 00	
	Central Illinois Public Service Co.....	250 00	
	A. B. Dick Co.....	150 00	
	Illinois Society of Professional Engineers.....	940 00	
	State of Illinois Junior Engineering Technical Society.....	120 00	
	Inland Steel-Ryerson Foundation, Inc.....	250 00	
	Joliet Engineers.....	160 00	
	Johnny Robertson.....	80 00	
	Semiconductor Specialists, Inc.....	20 00	
	Society of American Military Engineers.....	20 00	
	Soil Testing Services, Inc.....	20 00	
	Standard Oil Foundation, Inc.....	500 00	
	Western Society of Engineers.....	20 00	
390.	Various donors: for the Kappa Tau Alpha Endowment Fund.....		363 00
	Anonymous.....	\$ 10 00	
	R. L. Kringer.....	10 00	

A. Haen, M. Prichard, C. Bellatti.....	50 00	
University of Illinois Foundation.....	63 00	
Courier Publishing Co.....	25 00	
Mildred Spencer.....	10 00	
Mary Campbell.....	25 00	
Carl W. Bocklund.....	10 00	
Paul McMichael.....	25 00	
E. Ann Jarvis.....	15 00	
Kathryn G. Hansen.....	10 00	
Shirley W. Land.....	10 00	
William Randolph Hearst Foundation.....	100 00	
391. Various donors: for the La Napoule Project in the Department of Architecture.....		1 200 00
E. Todd Wheeler.....	\$ 200 00	
Daniel J. Nacht.....	300 00	
Eugene Wasserman.....	200 00	
Smith-Entzeroter, Inc.....	200 00	
Walter Scholer.....	300 00	
392. Various donors: to the Department of Mechanical and Industrial Engineering for the Air Conditioning and Refrigeration Fund.....		2 800 00
Carrier Corporation.....	\$ 500 00	
Modine Manufacturing Company.....	500 00	
Sporlan Valve Company.....	500 00	
Swift & Co.....	500 00	
The Thane Company.....	400 00	
Universal American Charitable Foundation.....	400 00	
393. Various donors: for the Sundaram Seshu Endowment Fund, the income to be used for a fellowship in engineering.....		805 00
394. Various donors: to University High School for the University of Illinois Committee on School Mathematics Summer Institute.....		1 265 00
395. Wenner-Gren Foundation for Anthropological Research: to the Department of Anthropology for aid in purchasing a tape recorder.....		1 200 00
396. Estate of Guy Zears: to the Library, an unrestricted grant..		728 00
<i>Total, Funds for Educational, Research, Cultural, and Recreational Purposes Not Otherwise Classified.....</i>		<i>\$ 787 221 28</i>

Educational Grants Fund

The Board of Trustees has established this fund and has authorized the President to make assignments from it for nonrecurring educational purposes. The income is grants from foundations, business and industrial corporations to the University in recognition of the educational costs involved in accepting fellowships and scholarships, and of the service expense in administration of research grants. Contributions deposited in this fund were received from:

397. The Alcoa Foundation, Pittsburgh, Pennsylvania.....	\$ 500 00
398. Armco Foundation.....	100 00
399. The Budd Company Foundation, Inc., Philadelphia, Pennsylvania.....	875 00
400. Caterpillar Tractor Co., Peoria.....	500 00
401. Commonwealth Fund.....	1 000 00
402. Carle E. Conway Scholarship Foundation, New York, New York.....	525 00
403. International Business Machines Corporation, Armonk, New York.....	500 00
404. Natural Gas Pipeline Co. of America, Chicago.....	1 000 00
405. Owens-Illinois Glass Company, Toledo, Ohio.....	1 275 00
406. The Rockefeller Foundation, New York, New York.....	9 000 00
407. A. O. Smith Company.....	100 00
408. Standard Oil (Indiana) Foundation, Inc., Chicago.....	7 000 00
409. Underwriters Laboratories, Inc., Chicago.....	1 200 00
410. Union Carbide Educational Fund, New York, New York.....	1 000 00

411. Hiram Walker-Gooderham & Worts Limited, Walkerville, Ontario, Canada.....	350 00
412. Western Electric Co., Inc., New York, New York.....	450 00
The following contributions were received from sponsors of National Merit Scholarships in recognition of National Merit Scholars enrolled at the University of Illinois but were unrestricted and have been deposited in the Educational Grants Fund:	
413. ACF Foundation, Inc., New York, New York.....	100 00
414. The Glidden Company, Cleveland, Ohio.....	100 00
415. The Halco Foundation, Chicago.....	100 00
416. National Distillers & Chemical Corp., New York, New York.....	400 00
417. National Merit Scholarship Corporation, Evanston.....	1 075 00
418. The 1907 Foundation, Inc., New York, New York.....	100 00
419. Northern Illinois Gas Co., Aurora.....	100 00
420. Pittsburgh Plate Glass Foundation, Pittsburgh, Pennsylvania.....	200 00
421. Shell Companies Foundation, Inc., New York, New York.....	200 00
422. Swift & Company Foundation, Chicago.....	100 00
423. Western Electric Company, Inc., New York, New York.....	100 00
Total, Educational Grants Fund.....	\$ 27 950 00

Contributions from County Farm and Home Bureaus

424. To the Cooperative Extension Service in Agriculture and Home Economics for partial payment of salaries and operating expenses of farm and home advisers.....	\$1 176 700 72
Total, Contributions from County Farm and Home Bureaus.....	\$1 176 700 72

Gifts for Educational and Research Buildings and for Other Facilities

425. Mr. and Mrs. Herman C. Krannert, Indianapolis, Indiana....	\$1 098 000 00
Krannert Center for the Performing Arts.....	\$882 000 00
Ellnora Krannert Art Objects.....	216 000 00
426. Ethel Burnsides, Paris, Illinois: for Burnsides Research Laboratory (partial payment of total gift of \$250,000).....	25 015 50
427. Hartz Mountain Products Co., Inc.: Veterinary Medical Research Building.....	2 500 00
428. University of Illinois Alumni Association: for Mailing Center equipment.....	6 666 00
429. University of Illinois Foundation.....	105 826 65
For Mailing Center equipment.....	\$ 6 666 00
For Student Rehabilitation-Education Center (this total is included in IV. Gifts to the University of Illinois Foundation).....	99 160 65
Total, Gifts for Educational and Research Buildings and for Other Facilities.....	\$1 238 008 15

Federal Grants for Buildings and Other Facilities, Urbana-Champaign and Chicago

430. Atomic Energy Commission, equipment.....	\$ 2 150 00
431. Department of Health, Education and Welfare, educational television facilities.....	300 000 00
432. National Science Foundation.....	690 980 47
Equipment.....	\$255 880 47
Geology facilities remodeling.....	37 400 00
Optical telescope.....	285 200 00
Psychology Laboratory building.....	112 500 00
433. Veterans Administration, Medical Center Steam Plant.....	10 659 49
Total, Grants.....	\$1 003 789 96
Add additional payments received on prior year's grant funds.....	2 671 816 53
Total, Federal Grants for Buildings and Other Facilities, Urbana-Champaign and Chicago.....	\$3 675 606 49

United States Government Grants and Research Contracts, Urbana-Champaign and Chicago

434. Advanced Research Projects Agency.....	\$	31	611	52
435. Agency for International Development.....	1	917	905	64
436. Air Force	2	978	244	96
437. Army Institute.....		2	402	95
438. Army Medical Corps.....	1	595	470	99
439. Army Research Office.....		389	365	40
440. Army Surgeon General.....		197	364	37
441. Atomic Energy Commission.....	5	724	509	42
442. Bureau of Public Roads.....		9	549	95
443. Children's Bureau		126	503	65
444. Department of Agriculture.....		69	930	39
445. Department of the Army.....		135	459	72
446. Department of Commerce.....		27	181	00
447. Department of the Interior.....		397	796	27
448. Department of Labor.....		131	380	00
449. Federal Housing Authority.....		236	31	
450. Fifth Army.....		1	728	02
451. Home Finance Agency.....		121	529	41
452. National Aeronautics and Space Administration.....	1	813	125	66
453. National Defense Education Act.....		230	000	00
454. National Science Foundation.....	6	496	611	68
455. Naval Electronics Laboratory.....		51	386	35
456. Naval Office of Weapons.....		38	231	46
457. Navy Bureau of Ships.....		182	315	48
458. Navy Bureau of Yards and Docks.....		46	886	51
459. Naval Supply Center.....		23	040	00
460. Office of Economic Opportunity.....		61	513	00
461. Office of Education.....	2	794	383	94
462. Office of Civil Defense.....		61	035	50
463. Office of Naval Research.....		848	309	68
464. Office of Vocational Rehabilitation.....		303	052	79
465. Peace Corps		8	93	
466. Public Health Service.....	11	941	419	45
467. Tennessee Valley Authority.....		15	750	00
468. Vocational Rehabilitation Administration.....		36	708	79
<i>Total Grants</i>		\$38	801	949 19
Less allocated grant funds not received as of June 30, 1966...		—4	015	112 02
<i>Total, United States Government Grants and Research Contracts, Urbana-Champaign and Chicago</i>		\$34	786	837 17

Research and Public Service Contracts with State of Illinois Agencies, Urbana-Champaign and Chicago

469. State Board of Economic Development.....	\$	100	000	00
470. State Board of Higher Education.....		5	192	25
471. State Department of Agriculture.....		49	873	80
472. State Department of Conservation.....		140	583	19
473. State Department of Mental Health.....		304	323	78
474. State Department of Public Health.....		68	088	18
475. State Department of Public Safety.....		77	818	04
476. State Department of Public Works and Buildings, Division of Highways		308	944	91
477. State Library		178	301	08
478. State Office of Vocational Education.....		32	629	83
479. State Racing Board.....		98	000	00
480. State Superintendent of Public Instruction.....		362	684	76
<i>Total Grants</i>		\$	1 726	439 82
Less allocated grant funds not received as of June 30, 1966...		—1	262	55
<i>Total, Research and Public Service Contracts with State of Illinois Agencies, Urbana-Champaign and Chicago</i>		\$	1 725	177 27

Miscellaneous Gifts of Books, Equipment, and Works of Art

481. Automobile Manufacturers Association: to the Department of Civil Engineering, four projectors; estimated value.....\$	3 050 00
482. Blitz Body Corporation, Chicago: to the Division of Rehabilitation-Education Services, a bus; estimated value.....	28 300 00
483. Clark Equipment Company, Buchanan, Michigan: to the Department of Civil Engineering, hydraulic cylinders; estimated value.....	1 500 00
484. George Frost, Long Island, New York: to the College of Education, shop tools; estimated value.....	1 513 00
485. Indiana General Corporation, Chicago: to the Department of Computer Science, sixteen-bit memory unit; estimated value..	3 000 00
486. Kistler Instrument Company: to the Department of Civil Engineering, shock meter and accelerometers; estimated value...	1 490 00
487. Henry A. Petter Supply Company, Paducah, Kentucky: to the Physical Plant Department, sheet steel; estimated value.....	1 300 00
488. Shell Oil Company, Wood River: to the Electron Microscope Laboratory, electron microscope; estimated value.....	10 000 00
489. Sperry Rand Corporation, New York, New York: to the Institute of Aviation, an airplane; estimated value.....	20 000 00
490. Three M Company, St. Paul, Minnesota: to the College of Education, office machines; estimated value.....	2 000 00
491. Zenith Radio Corporation, Chicago: to the Department of Electrical Engineering, parametric amplifiers; estimated value	14 000 00

For the Krannert Art Museum

492. Mr. Max Abramovitz, New York, New York: paintings, "Head of a Girl," and "Leyre"; estimated value.....	10 500 00
493. Mr. George Bickford, Cleveland, Ohio: paintings, "Lady Going to Her Lover," and "Krishna and a Lady"; estimated value	2 250 00
494. Mrs. Katherine Trees Livezey, Chicago: five Chinese jades; estimated value.....	13 450 00
495. Mr. Nahum Tschachbasov, New York, New York: painting, "Homo Sapiens"; estimated value.....	1 500 00
496. University of Illinois Foundation: sculpture, "Stele Stone," and paintings, "St. Catherine of Alexandria" and "Achilles Depositing Body"; estimated value.....	247 000 00

Total, Miscellaneous Gifts of Books, Equipment, and Works of Art.....\$ 360 853 00

Grand Total, Colleges and Schools at Urbana-Champaign.\$46 328 859 56

University of Illinois at the Medical Center, Chicago*Scholarships, Prizes, and Other Financial Aids*

497. American Foundation for Pharmaceutical Education: scholarship in pharmacy.....\$	600 00
498. Dr. Theodore Benell: for the Theodore Benell Scholarship Fund in the College of Medicine.....	100 00
499. Miss Bert Berkelhamer: for the Dr. Ralph C. Berkelhamer Scholarship.....	100 00
500. Chicago Retail Druggist Association: scholarship in pharmacy.....	300 00
501. Warren H. Cole Society: scholarship for a freshman student in medicine.....	500 00
502. John W. Dargavel Foundation: scholarship for a third-, fourth-, or fifth-year student in pharmaceutical education...	200 00
503. Gazzolo Drug and Chemical Company: scholarship in pharmacy.....	300 00
504. Goldenrod Ice Cream Company: scholarships in pharmacy..	200 00
505. Humiston Keeling and Company: scholarships in pharmacy..	200 00
506. Ladies Auxiliary of Chicago Retail Druggists Association: scholarships in pharmacy.....	300 00

507. John and Mary R. Markle Scholar Foundation: scholarship in medical sciences.....	6 000 00
508. McKesson & Robbins, Inc.: scholarship in pharmacy.....	300 00
509. Osco Drugs, Inc.: scholarships in pharmacy.....	1 000 00
510. Pfizer Laboratories: scholarship in medicine.....	1 000 00
511. Phi Delta Epsilon: scholarship in medicine.....	250 00
512. Student American Medical Association: scholarship in medicine.....	150 00
513. Various donors: for the I. D. Harvey Scholarship in Pharmacy I. D. Harvey..... \$ 200 00	300 00
Abbott Laboratories, on behalf of I. D. Harvey..	100 00
514. Walgreen Benefit Fund: for the Charles R. Walgreen, Jr. Scholarship.....	300 00
515. Various donors: to the College of Pharmacy for the Myron Goldsmith Memorial Scholarship Fund.....	5 422 78
516. Women's Auxiliary of the Chicago Colleges: scholarships (\$250 each) in medicine, nursing, and pharmacy.....	750 00
517. Women's Organization of the Chicago Retail Druggists Association: two scholarships in pharmacy.....	600 00
	(18 872 78)
518. Dr. Hubert Catchpole: to the College of Medicine for the Stuart Meyers Memorial Award Fund for an award for a meritorious medical student research paper.....	25 00
519. International Colleges of Dentistry: for long-term loan funds	300 00
520. Mrs. B. A. Riedemann: for the William Saphir Medical Students' Loan Fund.....	10 00
521. Various donors: for the Bernstein Loan Fund.....	500 50
522. Various donors: for the George W. Merck Loan Fund.....	1 000 00
523. Various donors: establishment of a loan fund for students in dentistry, in memory of the late Nell Snow Talbot.....	5 370 00
	(7 180 50)
<i>Total, Scholarships, Prizes, and Other Financial Aids...\$</i>	26 078 28

Funds for Fellowships and Research

524. Lederle Laboratories: for medical student research fellowships.....\$	1 400 00
525. Tobacco Industry Research Committee: fellowship.....	600 00
526. United Cerebral Palsy Research and Educational Foundation, Inc.: clinical fellowship in pedodontics.....	720 00
527. University of Illinois Foundation: for the Ruettinger Fellowship.....	1 750 00
528. Various donors: for the Louis A. Cohen Dental Student Research Fellowship.....	1 360 00
529. William and Mary Young Charitable Trust: postgraduate and graduate fellowships for teacher trainees in the College of Dentistry.....	4 370 00
	(10 200 00)
530. Abbott Laboratories.....	8 992 00
To the Department of Chemistry for studies of the synthesis of analogs of pharmacologically-active compounds..... \$ 100 00	
To the Department of Pharmacology, College of Medicine, for a study of hemorrhagic shock.....	3 192 00
To the Department of Pharmacology, College of Medicine, for a study of drug pharmacology.....	500 00
To the Department of Surgery, Division of Anesthesiology, for an evaluation of tetrafluoroethane	5 200 00
531. American Cancer Society.....	112 894 00
To the College of Medicine for study of:	
The mechanism of regulation of the haematologic stem cell compartment..... \$13 127 00	
Metabolism of glycoproteins.....	9 916 00

An immunological study of viruses associated with mammary tumorigenicity in mice in C ₃ H tentype..	9 459 00	
Induction of resistance to isologous transplanted, induced, and spontaneous tumors.....	6 541 00	
Analysis of radiation-induced survival patterns of sarcoma cells	10 314 00	
The regulatory mechanisms controlling bacterial sporogenesis	4 781 00	
Molecular and genetic basis of phenotypic resistance to bacterial virus infection.....	10 108 00	
Intramitochondrial location of B-hydroxybutyrate dehydrogenase	18 648 00	
Institutional Research Grants.....	30 000 00	
532. American Heart Association.....		15 545 00
To the Department of Pharmacology for a study of nitrogen metabolism in the functioning myocardium	\$12 045 00	
To the College of Medicine for research in medical education	3 500 00	
533. American Medical Association Education and Research Foundation: to the College of Medicine for research in medical education		44 869 50
534. Asthmatic Children's Aid: to the Department of Medicine for studies of simple chemicals which can induce bronchial asthma	6 300 00	
535. Mrs. Fremont A. Chandler: to the Department of Orthopaedic Surgery for studies of the treatment of osteomyelitis..	300 00	
536. Chesbrough-Ponds, Inc.: to the Department of Pediatrics for study of sustained-release aspirin in children.....	4 200 00	
537. Chicago Heart Association: to the Department of Pharmacology for force-velocity studies in the intact heart.....	11 000 00	
538. Commonwealth Fund: to the College of Medicine for support of the Center for the Study of Medical Education (this is the second payment of a total grant of \$290,460).....	99 943 00	
539. Council for Tobacco Research: to the Department of Oral Pathology for a study of oral cytology of smokers and non-smokers	9 767 50	
540. Deerfield Area United Fund: to the Department of Surgery for cancer research.....	469 00	
541. E. I. du Pont de Nemours & Company: to the Department of Medicine for a study of antiviral chemotherapy.....	8 097 00	
542. Eureka United Fund: to the Department of Surgery for heart research.....	315 00	
543. Geigy Pharmaceutical Company: to the Department of Medicine for studies on hygroton.....	5 000 00	
544. Illinois Federation of Women's Clubs: to the Department of Surgery for cancer research.....	1 200 00	
545. Indian Creek Township Community Fund: to the Department of Surgery for cancer research.....	200 00	
546. International Business Machines Corporation: to the Department of Research in Medical Education for studies of computer simulation	9 000 00	
547. Lederle Laboratories: to the Department of Medicine for a study of infectious diseases and related fields.....	9 000 00	
548. Leukemia Research Foundation, Inc.....	29 719 00	
To the Department of Biological Chemistry:		
Study of phosphonic acid analogs of nucleoside phosphates	\$ 9 332 00	
Study of preparation of potential anti-leukemia agent.....	9 612 00	
To the Department of Pathology for study of fibrinogen and platelet relationships in the normal and diseased state.....	3 240 00	

	To the Department of Pediatrics for study of intravascular clotting in the pathogenesis of leukemic bleeding.....	7 535 00	
549.	Lloyd Brothers: to the Department of Medicine for a search for long-acting antithyroid compounds.....		6 000 00
550.	Dr. E. W. Maynert Research Program: to the Department of Pharmacology for research.....		474 58
551.	Mead Johnson and Company: to the Department of Surgery for studies of the effect of lysostaphin on experimentally produced operative wound infection.....		1 776 00
552.	Merck Sharp & Dohme Research Laboratories.....		21 600 00
	To the Department of Medicine for studies of various anti-aldosterone agents and other diuretics \$	5 400 00	
	To the Department of Preventive Medicine for studies of MK-605 and clinical pharmacology....	11 200 00	
	To the Department of Medicine for research....	5 000 00	
553.	Midwest Universities Consortium: to the College of Medicine for research on the epidemiology and endemiology of the enteric infection in Chiangmai by a faculty member in Thailand.....		1 000 00
554.	National Association for Mental Health, Inc.: to the Department of Psychiatry for a study of Rorschach responses and the problem of orientation to reality.....		1 628 00
555.	The National Foundation.....		51 081 00
	To the Department of Medicine for study of:		
	Lung function in heritable disorders of connective tissue.....	\$ 6 974 00	
	Meiotic abnormalities in mammals, including human beings, using biopsy material and current chromosome techniques.....	11 738 00	
	Development of rate limiting enzymes in carbohydrate metabolism in liver.....	32 369 00	
556.	Orthopaedic Research and Education Foundation.....		5 877 50
	To the Department of Anatomy for the study of the effect of adjustable D.C. voltage on in vitro epiphyseal cartilage growth.....	\$ 487 50	
	To the Department of Orthopaedic Surgery for the study of private practitioners orthopaedic diagnostic registry.....	5 390 00	
557.	Parke, Davis & Company: to the Department of Pediatrics for a study of the effects of phenylalanine on chloromphenicol		10 814 50
558.	Roanoke Area United Fund: for cancer research.....		641 25
559.	Sandoz Pharmaceuticals.....		14 000 00
	To the Department of Medicine for a study of chemical mediators.....	\$ 6 000 00	
	To the Department of Pharmacology for studies of neuropharmacology.....	8 000 00	
560.	Schering Corporation: to the Department of Dermatology for a study of the influence of steroid combinations on induced allergic inflammation.....		2 400 00
561.	G. D. Searle Company: to the Department of Medicine for a study of clinical pharmacology of spiro lactones.....		12 000 00
562.	Society for Applied Spectroscopy: to the Department of Chemistry for research in spectroscopy.....		300 00
563.	E. R. Squibb & Sons: to the Department of Radiology for a study of higher dose I.V. urography-renografin-60.....		300 00
564.	United Cerebral Palsy Research & Educational Foundation, Inc.: to the Department of Anatomy for study of the immunochemical characteristics of nervous tissue.....		8 705 00
565.	University of Illinois Foundation: for support of the medical research program.....		28 539 53
566.	Various donors: to the Department of Dermatology for the		

Verne Perryman Dermatological Fund for research in dermatology	7 707 82
567. Various donors: for the Otolaryngology Fund for research and development	7 085 00
568. Various donors: to the Department of Surgery for the Ira M. Pink Fund for medical research.....	50 00
Dr. and Mrs. A. Field, in memory of David N. Grosberg	\$ 25 00
Mrs. Richard Levin.....	25 00
569. Warner Lambert Research Institute Grant: to the Department of Medicine for studies of the therapeutic effect of oxolinic acid in urinary tract infections.....	3 959 00
570. Wyeth Laboratories: to the Department of Pharmacology for research.....	2 500 00
	(565 250 18)
<i>Total, Funds for Fellowships and Research.....</i>	<i>\$ 575 450 18</i>

Funds for Educational and Research Programs

571. Abbott Laboratories: to the Department of Pharmacology for graduate education	\$ 1 500 00
572. American Fund for Dental Education: to the College of Dentistry to support a Second Conference Workshop for Directors of Teacher Education programs held in June, 1966	6 000 00
573. Robert Bryski: to the Division of Services for Crippled Children for the Cleft Palate Gift Fund.....	50 00
574. Samuel Higby Camp Foundation: to the Department of Orthopaedic Surgery for expenses of a visiting professor.....	1 500 00
575. Chicago Community Trust: to the Library of Medical Sciences for the William Allen Pusey Fund for purchase of dermatological books and periodicals.....	1 000 00
576. Chicago Dental Society, through the Fund for Dental Health Education: to the Illustration Studios for an exhibit at community health fairs in the Chicago Metropolitan area.....	1 000 00
577. E. J. du Pont de Nemours Co., Inc.: to the Department of Medicine, an unrestricted grant.....	18 000 00
578. John D. Hayes: to the College of Dentistry for the Moorehead Memorial Fund for research library books.....	50 00
579. Arthur Horton: to the Department of Orthopaedic Surgery for the Chandler Research Fund for a memorial guest lecturer	500 00
580. Illinois Chapter of the Arthritis and Rheumatism Foundation: to the Department of Medicine for support of a clinic.....	1 000 00
581. Lederle Laboratories: to the Department of Medicine for a faculty award.....	25 354 00
582. Mary Lloyd: for the Somatoprosthesis fund.....	4 00
583. John and Mary R. Markle Scholar Foundation: to the Department of Surgery for a faculty award.....	6 000 00
584. Mead Johnson and Company: to the Department of Pediatrics for remodeling of research laboratory.....	2 250 00
585. Menard County United Fund: to the Department of Preventive Medicine to promote special training of personnel.....	600 00
586. Midwest Universities Consortium: to the College of Medicine to assist in publication of an article, "Malnutrition in Northern Thailand," in the <i>American Journal of Medicine</i>	131 00
587. National Foundation, Cook County Chapter: to the Research and Educational Hospitals, salary of a staff member.....	3 500 00
588. National Fund for Medical Education, Inc.: to the College of Medicine, an instructional grant.....	37 380 00
589. Nursing Faculty: for miscellaneous expenses connected with the new Nursing Building.....	100 00
590. Physicians and Dentists Foundation: to the Research and Educational Hospitals for unusual patient expenses.....	651 46
591. A. H. Robins & Company: to the Department of Medicine, an unrestricted grant.....	1 200 00

592. University of Chicago: to the University of Illinois Neuropsychiatric Institute for the salary of a faculty member providing field instruction to University of Chicago graduate social work students.....	10 238 33
593. Upjohn Company: for the Department of Microbiology Library for purchase of books and periodicals.....	3 000 00
594. Various donors: to the School of Associated Medical Sciences for the Occupational Therapy Gift Fund.....	195 00
595. Various donors: to the Department of Orthopaedic Surgery for the Amputee Clinic Fund.....	45 00
596. Various donors: to the Department of Orthopaedic Surgery for the Orthopaedic Gift Fund.....	1 420 35
597. Various donors: to the Research and Educational Hospitals for the Patient Drug Fund.....	300 00
598. Various donors: to the College of Dentistry for teacher education.....	1 050 00
599. Various donors: to the Division of Services for Crippled Children Gift Fund.....	523 39
600. Various donors: to the Department of Orthopaedic Surgery for the Muscular Dystrophy Gift Fund.....	1 740 00
601. Various donors: to the College of Medicine for the Edmund F. Foley Professorship of Medicine Fund.....	17 003 00
602. Various donors: for the Edmund F. Foley Supplementary Fund to defray costs of raising funds for the endowment fund.....	160 00
603. Various donors: for the Al R. Langerman Memorial in pharmacy.....	4 600 00
604. Various donors: to the Medical Research Laboratory for the Leukemia Research Fund to purchase animals for the Leukemia-Asparaginase project	235 00
605. Various donors: to the Department of Surgery for the George J. M. Slawikowski Fund.....	915 00
606. Various donors: for the Isaac Schour Memorial Fund in the College of Dentistry.....	8 505 00
607. Various donors: to the Department of Medicine.....	2 912 10
608. Various donors: to the Department of Surgery.....	4 308 56
609. Various donors: for the Patient Gift Fund—Helen W. Dunn	661 10
610. Various donors: for the Pediatrics Gift Fund.....	2 087 50
611. Various donors: to the Institute for Tuberculosis Research..	2 598 27
612. Various donors: to the Department of Orthodontics.....	1 830 00
613. Various donors: to the Department of Oral and Maxillofacial Surgery.....	450 00
614. Various donors: to the Department of Psychiatry.....	300 00
615. Various donors: to the Department of Physical Medicine and Rehabilitation	205 02
616. Various donors: to the Library of Medical Sciences.....	25 00
617. Various donors: to the College of Medicine.....	726 92
618. Various donors: to the Division of Services for Crippled Children	58 571 52
<i>Total, Funds for Educational and Research Programs...\$</i>	<i>232 376 52</i>

Gifts of Equipment and Library Materials

619. Abbott Laboratories: to the Research and Educational Hospitals Pharmacy, a microvoid 11CB hood; estimated value....\$	750 00
620. A. S. Aloe Co., St. Louis, Missouri: to the Department of Biological Chemistry	
Three cart-laboratories (\$30.00 each); estimated value.....	90 00
2000 watt hot plate; estimated value.....	25 00
Cast aluminum water-bath; estimated value.....	103 60
A pyromagnetic stirrer-king; estimated value.....	35 00
621. American Association of Orthodontics: to the Department of Orthodontics, a sunchronizer slide; estimated value.....	44 88

622. Bostich Central, Inc., Chicago: to the Department of Psychiatry, an automatic electric stapler; estimated value.....	20 00
623. Class of 1966, University of Illinois: to the Department of Orthodontics, a 35MM projector; estimated value.....	102 00
624. The DeVilbiss Company: to the Division of Anesthesiology, Research and Educational Hospitals, an ultrasonic nebulizer; estimated value	600 00
625. J. B. Electronic Transformers, Inc.: to the Pediatric Out-patient Clinic, a music system; estimated value.....	700 00
626. Dr. Joseph W. Krystosek: to the Research and Educational Hospitals, an EKG machine; estimated value.....	200 00
627. Puritan Compressed Gas Corporation, Chicago: to the Division of Anesthesiology, a Bennett anesthesia ventilator; estimated value.....	945 00
628. Squibb Pharmaceutical Company: to the College of Medicine, an oil painting of the Courtyard outside the Library; estimated value.....	1 500 00
629. Supreme Steel Equipment Corporation: to the Business Office, a conserva-wood cabinet; estimated value.....	125 00
630. Swiss Benevolent Society, Chicago: to the Research and Educational Hospitals, a wheelchair; estimated value.....	80 00
<i>Total, Gifts of Equipment and Library Materials.....</i>	<i>\$ 5 320 48</i>
<i>Grand Total, Medical Center.....</i>	<i>\$ 839 225 46</i>

University of Illinois at Chicago Circle

631. American Chemical Society: for studies of chromic acid oxidation.....	\$ 8 083 00
632. American Society for Metals: for education of metallurgy students	100 00
633. Architects Club: for long-term loan funds.....	2 000 00
634. Bodine Electric Company.....	2 000 00
Scholarships in engineering.....	\$ 1 200 00
Undergraduate projects in engineering.....	800 00
635. Carnegie Corporation of New York: for support of a graduate program in philosophy.....	80 000 00
636. Family of Morris Epstein: to the Chancellor's Office in memory of Mr. Epstein.....	10 00
637. Foundry Educational Foundation, Cleveland, Ohio: to promote education of students interested in foundry industry....	250 00
638. Grainger Charitable Trust: to the College of Engineering... Undergraduate award in engineering.....	\$ 100 00
Award for outstanding teaching.....	1 000 00
Newsletter	1 500 00
Colloquia.....	2 000 00
Programs for high school students.....	600 00
Special fund for undergraduate ventures.....	600 00
639. Smith, Kline & French Foundation: for programs in biomedical engineering	5 000 00
640. Standard Oil Foundation, Inc.: for undergraduate instructional awards	2 000 00
641. University of Illinois Foundation: from the United Student Aid Fund.....	1 000 00
642. Various donors: to the Jane Addams Graduate School of Social Work.....	620 36
643. Various donors: for short-term loan funds.....	101 00
644. Various donors: for the Harry W. Pearce Memorial.....	563 00
645. Milton Yusem, Chicago: for student assistant for histamine project	50 00
646. Zonta Club: for student aid.....	322 00
<i>Grand Total, Chicago Circle.....</i>	<i>\$ 107 899 36</i>

Gifts to the University of Illinois Foundation

647. Envelope Fund Projects (formerly Illini Achievement Fund).....	\$ 302 763 53
648. Other Gifts for Current Purposes (including \$177,029.57 for grants-in-aid.....)	210 452 02
649. Loan Funds	25 153 63
650. Endowment Funds	647 972 64
651. Funds for Physical Plant Purposes.....	674 907 96
<i>Total, Gifts to the University of Illinois Foundation.....</i>	<i>\$ 1 861 249 78</i>
<i>Grand Total</i>	<i>\$49 137 234 16</i>

Summary**Funds from Private Donors****To the University**

For Urbana-Champaign	\$ 5 386 237 63
For Chicago Colleges and Divisions.....	947 124 82
	(6 333 362 45)

To the University of Illinois Foundation..... 1 861 249 78

Total..... *\$ 8 194 612 23*

Funds from United States Government

For Urbana-Champaign (including \$755,001 from National Defense Education Act for student loan program for all campuses)

For Chicago Colleges and Divisions..... \$32 750 819 62

Total..... *\$39 217 444 66*

Funds from Contracts with State of Illinois Agencies

For Urbana-Champaign

For Chicago Colleges and Divisions..... \$ 1 407 841 96

Total *\$ 1 725 177 27*

Grand Total..... *\$49 137 234 16*

This report was received for record.

PURCHASES

(28) The President submitted, with his concurrence, a list of purchases recommended by the Director of Purchases and the Vice-President and Comptroller.

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

The total amounts of these purchases were:

From Appropriated Funds.....	\$139 662 64
From Institutional Funds.....	812 806 46
<i>Grand Total</i>	<i>\$952 469 10</i>

A complete list of the purchases recommended, with supporting information, including the quotations received, was sent to each member of the Board in advance of the meeting, and a copy has been filed with the Secretary of the Board for record.

On motion of Mr. Johnston, the purchases recommended were authorized.

COMPTROLLER'S REPORT OF PURCHASES APPROVED

(29) The Vice-President and Comptroller also submitted a report of purchases approved by him on recommendation of the Director of Purchases in amounts of \$2,500 to \$5,000. A copy of this report is filed with the Secretary of the Board.

This report was received for record.

COMPTROLLER'S REPORT OF CONTRACTS

(30) The Comptroller's report of contracts executed during the period December 1 to 31, 1966.

New Contracts		<i>Amount to be Paid to the University</i>
<i>With Whom</i>	<i>Purpose</i>	
Carus Chemical Company, Inc.	Effect of permanganate treatment on sand filters	\$ 4 000 00
The Detroit Edison Company	Development of probes for the measurement of (a) pulverized fuel flow and (b) particle concentration in stack gas	40 200 00
Johns-Manville Products Corporation	Removal of iron from groundwater supplies in Illinois	3 000 00
National Aeronautics and Space Administration NGR 14-005-097	Ion mass spectra in the ionospheric E region	39 153 00
State of Illinois Department of Business and Economic Development	Research reviews and short courses	49 668 00
	Technical services to Illinois wood-using industry	10 100 00
	Computer-based management for contractors	42 550 00
United States Air Force AF-AFOSR-7-67	Computational principles in complex intelligent systems	97 120 00
United States Army DA-ARO-D-31-124-G872	Moisture induced slow crack extension in high strength steels	25 000 00
	Response of materials to impact	24 905 00
United States Department of Health, Education, and Welfare OEG3-6-062336-2081 PH-43-67-45 PH-108-66-192	Training in micro-precision and watch-making skills	179 274 00
	Medical education project	45 533 00
	School smoking education project	49 785 00
	Forecasting manpower requirements on the basis of historical data	13 048 00
United States Department of Labor 91-15-66-29		
<i>Total</i>		<u>\$623 336 00</u>

Contract Changes		<i>Amount to be Paid to the University</i>
<i>With Whom</i>	<i>Purpose</i>	
Association of Iron and Steel Engineers	Shelling of crane wheels	\$ 15 263 00
Moorman Manufacturing Company	Nutritional quality of pig starter rations	2 600 00
National Aeronautics and Space Administration NSG-511	Investigation of the D and E regions of the iono- sphere	261 421 00
United States Air Force AF19(628)-3819	Matrix representations of boundary value problem solutions	22 000 00
United States Army DA-44-009-AMC-1338(X) DA-49-193-MD-2323 DA-49-193-MD-2410	Mono versus stereo analytical photogrammetry	29 950 00
	Manual of viruses and nonbacterial agents causing respiratory illnesses in man	5 836 00
	Transmission of upper respiratory infections to volunteers under controlled conditions	57 380 00
United States Atomic Energy Commission AT(11-1)-1195 AT(11-1)-1198 AT(11-1)-1469	Elementary particle interactions in the high energy regions	100 000 00
	Understanding the nature of materials, predomi- nantly solids	270 000 00
	Computer science investigations	549 280 00
United States Department of Health, Education, and Welfare OE 5-85-041 OEG-3-6-062336-2081	Vocationally oriented educational program for dis- advantaged families in depressed rural areas	40 000 00
	Training in micro-precision and watch-making skills	8 279 00
United States Navy Nonr-1834(29) Nonr-1834(37) Nonr-3985(09)	Techniques and instrumentation for measuring acoustic attenuation	6 000 00
	Mechanism of anti-body formation in the pig	20 985 00
	Engineering properties of deep sea sediments	43 000 00
<i>Total</i>		<u>\$1 431 994 00</u>

Contract Change Orders			<i>Amount to be Paid by the University</i>
<i>With Whom</i>	<i>Purpose</i>		
Dean Evans Company	Cost-plus contract — general	Coordinated Science Laboratory	\$ 7 800 00
Fries Walters Company	Cost-plus contract — electrical	Research and Edu- cational Hospitals, Chicago	4 640 00
Kuhne-Simmons Co., Inc.	General	East Chemistry Building	2 851 00
The Nu-Way Contracting Company	Cost-plus contract — general	Computer Space — Medical Sciences Addition	5 999 00
Reliable Plumbing & Heating Company	Cost-plus contract — heating and ventilating	Coordinated Science Laboratory	6 000 00
<i>Total</i>			<u>\$27 290 00</u>

Summary

Amount to be paid to the University.....	\$2 055 330 00
Amount to be paid by the University.....	27 290 00

This report was received for record.

INVESTMENT REPORT

Report of the Finance Committee

(31) The Finance Committee reported the following changes in investments of endowment funds for the month of November, 1966:

*Pool**Sale*

220 shares Continental Illinois National Bank common stock.....	\$ 8 360 00
287 shares First National Bank of Chicago common stock.....	16 072 00
964 shares Gulf States Utilities common stock.....	24 131 21
1 020 shares Merck and Company common stock.....	75 968 52
154 shares Union Oil Company of California preferred stock.....	11 387 27

Purchase

500 shares AMP common stock.....	23 586 90
1 000 shares Bobbie Brooks common stock.....	24 523 55
400 shares Consolidated Foods common stock.....	16 658 52
500 shares First National City Bank of New York common stock..	27 375 00
500 shares Jewel Company common stock.....	15 860 95
300 shares Monsanto Company common stock.....	12 870 75
600 shares Pepsi Company common stock.....	40 749 48
200 shares Pfizer Company common stock.....	12 990 90
1 000 shares Royal Dutch Petroleum common stock.....	39 259 40
1 000 shares Shulton common stock.....	25 880 31

Report of the Comptroller

The Comptroller reported the following changes in investments of current and unexpended plant funds, which he has been authorized to make, for the month of November, 1966:

*Construction Funds***CHICAGO CIRCLE UNION (Chicago Circle)***Purchase*

\$21 000 U.S. Treasury bills due 4/20/67.....	\$ 20 467 13
---	--------------

DENTISTRY-MEDICINE-PHARMACY AUXILIARY (Medical Center)*Purchase*

\$ 20 000 U.S. Treasury bills due 12/1/66.....	19 915 00
40 000 U.S. Treasury bills due 12/15/66.....	39 763 89
100 000 U.S. Treasury bills due 4/21/67.....	97 281 08
200 000 U.S. Treasury bills due 6/22/67.....	192 564 44

FLORIDA AVENUE RESIDENCE HALLS*Purchase*

\$210 000 U.S. Treasury bills due 12/15/66.....	209 443 00
175 000 U.S. Treasury bills due 1/12/67.....	173 736 11
150 000 U.S. Treasury bills due 3/16/67.....	147 455 63
130 000 U.S. Treasury bills due 4/13/67.....	127 221 83

GRADUATE HOUSING**Sale**

\$20 000 U.S. Treasury bills due 12/29/66.....	\$ 19 908 00
--	--------------

Purchase

\$44 000 U.S. Treasury bills due 12/29/66.....	43 814 22
--	-----------

UNION AND RESIDENCE HALL (Medical Center)**Sale**

\$140 000 U.S. Treasury bills due 10/27/66.....	139 711 44
---	------------

137 000 U.S. Treasury bills due 1/5/67.....	136 021 97
---	------------

430 000 U.S. Treasury bills due 2/16/67.....	423 253 30
--	------------

Sinking Fund**REVENUE BONDS OF 1952****Purchase**

\$4 000 U.S. Treasury 2½ per cent bonds due 3/15/71.....	3 655 00
--	----------

This report was received for record.

**EMERGENCY REPAIRS TO ELECTRICAL SYSTEM
AT CHICAGO CIRCLE CAMPUS**

(32) An electrical failure which lasted approximately two hours occurred at 2:00 a.m., December 17, 1966, at the Chicago Circle campus. The failure apparently occurred adjacent to a splice in one of the main feeder cables located in a manhole adjacent to Phase II construction, and which appears to have shifted toward the excavation. The load on this cable was switched to the standby feeder cable, also located in the manhole.

In order to restore permanent service with a minimum delay, emergency action was authorized and the Gust K. Newberg Construction Co., Chicago, was requested to make the necessary repairs on the basis of costs plus 15 per cent on work incurred by his forces and 5 per cent for work by subcontractors, with the understanding that the cost of the corrective work will be assessed to the responsible parties upon completion of the investigation.

The corrective work which may cost in the neighborhood of \$20,000 is in process and will be completed about February 1, 1967.

In the interim, further investigative work is in process to determine accurately the cause and the responsibility for the cable failure.

This report is submitted for confirmation of the above action.

On motion of Mr. Swain, this action was confirmed, as requested, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Governor Kerner.

At this point, President Henry presented the following report and the Executive Vice-President and Provost replied to questions concerning it.

EMPLOYMENT OF WOMEN, UNIVERSITY OF ILLINOIS, 1966-67

(33) During the November meeting of the Board of Trustees of the University of Illinois, a question was raised in regard to the number of women employed by the University.

The following tables summarize the number and per cent of academic and nonacademic staff separately by sex and campus. In each table the total University figures are also shown, fractional percentages have been dropped.

Table 1 shows the full-time equivalent number and per cent of academic staff by rank, campus, and total. The percentage figures shown within each rank are not cumulative. Positions under the column labelled "other academic" include lecturers, assistant librarians, and in the case of the Urbana-Champaign campus, farm and home advisers.

The per cent of women is generally lower at the full professorship and higher at the "other academic" level. The latter category includes home advisers and librarians. The figure for women in the categories of assistant and instructor are

Table I. Total Full-Time Equivalent Academic Staff by Rank, Sex, and Campus

Campus	Professor			Associate Professor			Assistant Professor			Instructor			Assistant			Other Academic			Total Academic		
	Num-ber	Per Cent		Num-ber	Per Cent		Num-ber	Per Cent		Num-ber	Per Cent		Num-ber	Per Cent		Num-ber	Per Cent		Num-ber	Per Cent	
<i>Urbana</i>																					
Male.....	851	97		445	89		600	84		526	77		1426	75		361	65		4209	81	
Female.....	25	03		54	11		115	16		155	23		468	25		197	35		1014	19	
Total.....	876			499			715			681			1894			558			5223		
<i>Medical Center</i>																					
Male.....	131	92		103	78		161	76		153	66		174	77		26	63		748	76	
Female.....	11	08		29	21		49	23		79	34		52	23		14	35		234	24	
Total.....	142			132			210			232			226			40			982		
<i>Chicago Circle</i>																					
Male.....	113	90		107	81		188	82		152	63		63	57		30	78		653	75	
Female.....	12	10		25	19		40	18		89	37		45	42		07	19		218	25	
Total.....	125			132			228			241			108			37			871		
<i>Total University</i>																					
Male.....	1095	96		655	86		949	82		831	72		1663	75		417	66		5610	79	
Female.....	48	04		108	14		204	18		323	28		565	25		218	34		1466	21	
Total.....	1143			763			1153			1154			2228			635			7076		

also relatively higher than those appearing in the upper ranks. All of the assistants and many of the instructors are studying for advanced degrees.

The figures for the full-time equivalent nonacademic staff are shown in Table II, for each campus and the total University.

**Table II. Total Full-Time Equivalent Nonacademic Staff
by Sex and Campus**

<i>Campus</i>	<i>Total Nonacademic Number Per Cent</i>	
<i>Urbana</i>		
Male.....	2 559	50
Female.....	2 539	50
<i>Total</i>	5 098	
<i>Medical Center</i>		
Male.....	677	28
Female.....	1 723	72
<i>Total</i>	2 400	
<i>Chicago Circle</i>		
Male.....	472	49
Female.....	492	51
<i>Total</i>	964	
<i>Total University</i>		
Male.....	3 708	44
Female.....	4 754	56
<i>Total</i>	8 462	

About half of the nonacademic staff at Chicago Circle and Urbana-Champaign are women. The per cent of females on the staff at the Medical Center is substantially higher and is accounted for by nurses and laboratory technicians.

SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; resignations; leaves of absence.

APPOINTMENTS MADE BY THE PRESIDENT

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

Chicago Circle

WILLIAM M. ALPERN, Staff Physician and Instructor, in Health Science, Health Service, $\frac{1}{2}$ time, October 15, 1966-August 31, 1967, \$7,400 a year (11-17-66).

ARTHUR J. BILEK, Associate Professor of Criminal Justice and Director of Curriculum in the Administration of Criminal Justice, one year from January 1, 1967, \$15,000, supersedes (11-29-66).

CHARLES B. GENTHER, Lecturer in Architecture, academic year 1966-67, \$10,500 (11-11-66).

MRS. EDITH GOLD, Instructor in English, winter and spring quarters 1966-67, \$8,400 a year, supersedes (11-11-66).

MANUEL GOLDMAN, Assistant Professor of Biological Sciences, winter and spring quarters 1966-67, \$11,500 a year, supersedes (11-30-66).

HERBERT W. HABERLAND, Instructor in Sociology, academic year 1966-67, \$6,525 (11-17-66).

GERARD J. MIKOL, Research Associate in Chemistry, eleven months from October 1, 1966, \$7,000 (11-30-66).

YURI IKE NAKATA, Assistant Reference Librarian, with rank of Instructor, in the Library, ten months from November 1, 1966, \$7,000 a year (11-18-66).

HERBERT ROSING, Instructor in Chemistry, $\frac{1}{2}$ time, academic year 1966-67, \$3,000 (11-29-66).

WARREN A. RUBY, JR., Instructor in Mathematics, $\frac{1}{2}$ time, fall quarter 1966-67, \$1,150 (11-17-66).

- MRS. DIANE E. SMITH, Instructor in English, winter and spring quarters 1966-67, \$6,200 a year, supersedes (11-11-66).
- JOSEPH F. TERDIMAN, Lecturer in Bioengineering, Department of Information Engineering, academic year 1966-67, without salary (9-8-66).
- MRS. BETTY B. VANDERKOOI, Assistant to the Dean of Students, $\frac{4}{5}$ time, eight months from November 1, 1966, \$4,622.16 (12-7-66).

Medical Center

- GETHSEMANE D. ARTIAGA, Physician in the Health Service, and Instructor in Medicine, College of Medicine, November 21, 1966-August 31, 1967, \$13,500 a year, supersedes (12-15-66).
- ALLEN D. BAGDADE, Instructor in Pedodontics, College of Dentistry, $\frac{1}{2}$ time, ten months from November 1, 1966, \$4,500 a year, supersedes (11-8-66).
- SALVADOR BARROCAS, Instructor in Medicine, College of Medicine, $\frac{1}{2}$ time, December 7, 1966-August 31, 1967, \$5,000 a year (11-18-66).
- ELWINA A. BEJNAROWICZ, Instructor in Pharmacognosy, Department of Pharmacognosy and Pharmacology, College of Pharmacy, academic year basis, effective November 1, 1966, \$6,300 a year (11-1-66).
- MRS. ANA MARQUINEZ-CASTELLANOS, Clinical Assistant Professor of Psychiatry, College of Medicine, $\frac{1}{4}$ time, ten months from November 1, 1966, \$3,000 a year (11-18-66).
- GERALD R. GLAUB, Associate Director of Alumni Affairs, $\frac{1}{2}$ time, and Editor of Medical Center News, $\frac{1}{2}$ time, nine months from December 1, 1966, \$11,000 a year, supersedes (11-29-66).
- SHIRLEY A. LUKENS, Instructor in Occupational Therapy, School of Associated Medical Sciences, College of Medicine, ten months from November 1, 1966, \$8,000 a year (11-30-66).
- M. JEANNE MADIGAN, Instructor in Occupational Therapy, School of Associated Medical Sciences, College of Medicine, eight months from January 1, 1967, \$7,500 a year (12-15-66).
- KENRAD E. NELSON, Assistant Professor of Preventive Medicine and Community Health, College of Medicine, $\frac{3}{10}$ time, one year from September 1, 1966, \$4,000 (9-24-66).
- ROBERT PARSHALL, Instructor in Medical and Dental Illustration, academic year service basis, effective December 1, 1966, \$6,600 a year, supersedes (11-18-66).
- ABOO SHOEB, Research Associate in Chemistry, College of Pharmacy, October 16, 1966-August 31, 1967, \$7,000 a year (11-11-66).
- MRS. CAROLYN B. SILK, Instructor in Nursing, academic year service basis, effective January 3, 1967, \$7,000 a year (12-7-66).
- PENNY E. SIMONS, Hospital Pharmacy Intern, College of Pharmacy, October 24, 1966-August 31, 1967, \$6,000 a year (11-17-66).
- RICHARD S. WEBB, Assistant Professor of Surgery and Senior Associate in Continuing Education Sect.—ORME, College of Medicine, eight months from January 1, 1967, \$15,750 a year (11-3-66).
- MASASHI YAMAGUCHI, Research Associate in Psychiatry, College of Medicine, eight months from January 1, 1967, \$7,500 a year (11-17-66).

Urbana

- HOWARD B. AARON, Research Associate in Metallurgical Engineering (C), October 18-November 30, 1966, \$9,000 a year (11-23-66).
- MRS. FOROUGH Z. M. ARCHER, Research Associate in the Institute of Communications Research and in Psychology, for five months from September 1, 1966, \$8,000 a year, supersedes (11-3-66).
- SHELOMO I. BEN-ABRAHAM, Research Associate in Metallurgical Engineering (C), February 15-August 31, 1967, \$9,000 a year (11-17-66).
- GORAN BREDBERG, Visiting Research Associate in Electrical Engineering (C), three months from November 1, 1966, without salary (11-18-66).
- WILBUR D. BUDEMMEIER, Chief of Party and Adviser in Administration, J. Nehru Agricultural University, Jabalpur, M. P., India, November 10, 1966-December 31, 1967, \$20,850 a year (12-6-66).
- JANA CERNA, Research Associate in Plant Pathology (S), November 10, 1966-August 31, 1967, \$6,600 a year (11-30-66).

- STANLEY R. CROUCH, Instructor in Chemistry, Semester II 1966-67, \$4,000 (12-19-66).
- LEROY H. FORD, JR., Visiting Associate Professor of Psychology, $\frac{1}{3}$ time, February 1-June 15, 1967, \$2,000 (11-18-66).
- GLEN E. GAIDES, Assistant Professor of Physical Science, in the Division of General Studies, and Assistant Professor of Secondary and Continuing Education, academic year 1966-67, \$9,500, supersedes (11-11-66).
- ROBERT H. GRAY, Research Associate in Botany, for seven months from November 1, 1966, \$7,200 a year (12-7-66).
- MRS. WILMA R. GULSTAD, Serials Cataloger, with rank of Instructor, in the Library, $\frac{2}{3}$ time, November 7, 1966-August 31, 1967, \$4,667 a year, supersedes (11-17-66).
- JACK R. HARLAN, Adviser on Research for service at the J. Nehru Agricultural University, M. P., India, under Agency for International Development Contract nesa-149, November 15, 1966-February 28, 1967, \$22,000 a year; and Professor of Plant Genetics, Department of Agronomy, Agricultural Experiment Station, indefinite tenure from March 1, 1967, \$20,000 a year, supersedes (10-11-66).
- ERIK P. HARRIS, Research Associate in Physics (C), November 16, 1966-August 31, 1967, \$8,500 a year (12-1-66).
- DONALD K. HEIL, Research Associate in the Office of Instructional Resources, one year from September 1, 1966, \$6,000 (8-19-66).
- FRANK H. HIELSCHER, Research Associate in Electrical Engineering (C), Semester I 1966-67, \$4,700, supersedes (11-18-66).
- MRS. HEATHER W. HORNIK, Assistant Specialist in Education, in Elementary Education, four months from October 1, 1966, academic year service basis, \$2,400 (11-23-66).
- MRS. DOROTHY A. LITHERLAND, Associate Dean of the College of Commerce and Business Administration and Professor of Accountancy, September 1, 1966, through February 14, 1967, \$21,200 a year; and Semester II 1966-67, \$9,500—status on a recurring and full-time basis: Professor of Accountancy, indefinite tenure, academic year service basis, \$19,000 a year, from Semester II 1966-67, supersedes (11-11-66).
- WRITESMAN LONG, Visiting Lecturer in Business Education, College of Commerce and Business Administration, $\frac{1}{2}$ time, February 1-June 15, 1967, \$1,575 (11-17-66).
- LEON LUKASZEWICZ, Visiting Professor of Computer Science, Graduate College, November 1, 1966-June 15, 1967, \$12,500, supersedes (11-16-66).
- KENNETH R. MANGAN, Research Associate in the Institute for Research on Exceptional Children, College of Education, academic year 1966-67, without salary (9-15-66).
- JURAJ MEDANIC, Research Associate in the Coordinated Science Laboratory (C), December 16, 1966-August 31, 1967, \$9,200 a year (11-18-66).
- ADOLPHE E. MEYER, Visiting Professor of History of Education, College of Education, February 1-June 15, 1967, \$7,500 (11-23-66).
- BRUNO NETTL, Associate Professor of Music and of Anthropology, indefinite tenure, academic year basis, effective November 1, 1966, \$11,100 a year, supersedes (11-18-66).
- MEIHAN NONOYAMA, Research Associate in Microbiology, October 15, 1966-August 31, 1967, \$7,000 a year (11-11-66).
- RAFAEL PANZONE, Research Associate in Mathematics, January 1-June 15, 1967, \$3,300 (12-19-66).
- EDWIN I. PILCHARD, Assistant Professor of Veterinary Pathology and Hygiene and of Zoonoses Research, College of Veterinary Medicine, eight months from January 1, 1967, \$14,600 a year, supersedes (12-19-66).
- MRS. TATIANA RADZIMOVSKY, Assistant Specialist in the Curriculum Laboratory, College of Education, $\frac{1}{4}$ time, academic year effective November 1, 1966, \$1,125 (12-14-66).
- BETTY I. ROOTS, Visiting Scientist in Physiology and Biophysics, six months from November 1, 1966, \$4,000 (11-1-66).
- SIDNEY ROSEN, Professor of Physical Science, Division of General Studies, and Professor of Secondary and Continuing Education, indefinite tenure, academic year basis, effective September 1, 1966, \$13,000 a year, supersedes (11-11-66).

- BALDEV BEHARI LAL SAXENA, Research Associate in the Radiocarbon Laboratory, Graduate College, December 6, 1966-August 31, 1967, \$5,303.23 (12-16-66).
- JOHN SCOUFFAS, Assistant Dean of Students, nine months from December 1, 1966, \$9,100 a year, supersedes his nonacademic appointment (12-7-66).
- MRS. EDITH M. SHIMKIN, Associate in the Center for Russian Language and Area Studies, one year from September 1, 1966, without salary (10-4-66).
- VAIDOTAS J. SIMAITIS, Research Engineer in Physics (C), ten months from November 1, 1966, \$9,000 a year, supersedes his nonacademic appointment (11-11-66).
- FRANK W. SOLLO, JR., Research Associate in the State Water Survey and in the Graduate College, $\frac{4}{100}$ time, eight months from November 1, 1966, \$7,875 per year, supersedes (11-11-66).
- THOMAS S. SUTTON, Executive Director, Council of United States Universities for Rural Development in India (Office of International Programs), $\frac{3}{4}$ time, October 20, 1966-August 31, 1967, \$18,000 a year (11-11-66).
- ANSON E. THOMPSON, Professor of Plant Genetics, Department of Horticulture (C and S), indefinite tenure from December 1, 1966, \$16,800 a year, supersedes (12-12-66).
- MRS. MARGARET D. UROFF, Instructor in Verbal Communication, Division of General Studies, $\frac{2}{3}$ time, Semester II 1966-67, \$1,800 (12-7-66).
- HOWARD L. WAKELAND, Associate Dean of the College of Engineering, ten months from November 1, 1966, \$16,500 a year, and Associate Professor of Agricultural Engineering, College of Agriculture, indefinite tenure from November 1, 1966, without salary, supersedes (11-18-66).
- NOEL B. ZABRISKIE, Instructor in the Bureau of Business Management, College of Commerce and Business Administration, nine months from December 1, 1966, \$5,400 (11-17-66).

RESIGNATIONS

Chicago Circle

- ROBERT B. BANKS, Dean of the College of Engineering and Professor of Fluid Mechanics, Department of Energy Engineering—resignation effective January 1, 1967.
- ARMOR J. FAIR, Instructor in Management—resignation effective September 1, 1967.
- JOHN C. HADDER, Assistant Professor of Biological Sciences—resignation effective September 1, 1966.
- ROBERT E. MACHOL, Professor of Systems Engineering—resignation effective January 1, 1967.
- MRS. CAROLINE C. SISKIND, Instructor in English—resignation effective January 1, 1967.

Medical Center

- DOROTHY T. HRUBY, Assistant Professor of Occupational Therapy, College of Medicine—resignation effective January 1, 1967.
- GEORGIANA JAGIELLO, Assistant Professor of Medicine, College of Medicine—resignation effective September 21, 1966.
- MRS. MARIE T. KING, Assistant Professor of Nursing, College of Nursing—resignation effective January 1, 1967.
- GJALT K. VAN DER HEM, Research Assistant Professor of Medicine, College of Medicine—resignation effective December 5, 1966.
- MRS. CAROL P. WELLS, Staff Pharmacist, College of Pharmacy—resignation effective December 13, 1966.

Urbana

- KENNETH J. BREEDING, Instructor in Electrical Engineering—resignation effective March 1, 1967.
- MRS. JOANNE C. BUNGE, Microanalyst in Chemistry—resignation effective December 12, 1966.
- JOHN J. FEIGHT, Assistant Extension Editor with rank of Assistant Professor of Agriculture—resignation effective January 1, 1967.
- RONALD H. F. HUNTER, Research Associate in Animal Science—resignation effective January 1, 1967.

- PANCE KIRKOV, Visiting Lecturer in Chemistry — resignation effective February 1, 1967.
- DOUGLAS R. MILLS, Professor of Physical Education for Men — resignation effective September 1, 1967.
- NETI R. MURTY, Research Associate in Botany — resignation effective January 1, 1967.
- ROBERT O. NESHEIM, Professor of Animal Science and Head of the Department — resignation effective February 1, 1967.
- WILFRED C. SCHUEMANN, Research Associate in the Coordinated Science Laboratory — resignation effective December 10, 1966.
- MRS. ANNE P. STREET, Instructor in Mathematics — resignation effective March 1, 1967.
- NORMAN STREET, Professor of Mining Engineering, Department of Mining, Metallurgy, and Petroleum Engineering — resignation effective February 1, 1967.
- ANNE E. TRASK, Assistant Professor of History and Philosophy of Education, Bureau of Educational Research — resignation effective September 1, 1966.
- EDWARD M. WALLO, Research Associate in Theoretical and Applied Mechanics — resignation effective January 21, 1967.
- FRANJO M. ZADO, Research Associate in Chemistry — resignation effective January 7, 1967.

LEAVES OF ABSENCE

Chicago Circle

- CLARENCE H. GILLET, Professor of Management — leave of absence, without pay, for three months from January 1, 1967, for health reasons.
- WILLIAM D. JACKSON, Professor of Electrical Engineering, Department of Energy Engineering — leave of absence, without pay, for three months from October 1, 1966, so that he may complete his research work at the University of Berlin.
- ARTHUR D. PICKETT, Professor of Biological Sciences and Director of the Honors Programs — leave of absence, without pay, for the winter quarter of 1967, and administrative leave, with pay, for the spring quarter of 1967.

Urbana

- EMER E. BROADBENT, Professor of Livestock Marketing, Department of Agricultural Economics, College of Agriculture and Agricultural Experiment Station — leave of absence, without pay, from November 28, 1966, and continuing through January 6, 1967, at the request of the Food and Agricultural Organization of the United Nations, so that he may assist the Jordan governmental authorities in an evaluation of their livestock and meat marketing organization and advise them on a layout, organization, and operation of a new livestock marketing system for Jordan.
- ALAN H. JACOBS, Assistant Professor of Anthropology — leave of absence, without pay, for the academic year 1967-68, so that he may do field research in Kenya, East Africa.
- DOUGLAS R. MILLS, Professor of Physical Education for Men, College of Physical Education — leave of absence, with pay, for nine months from December 1, 1966.
- MRS. ELISABETH H. SCHILLINGER, Editor of Engineering Publications, Engineering Experiment Station — leave of absence, without pay, from November 15, 1966, through January 31, 1967.

REPORTS AND RECOMMENDATIONS FROM THE PRESIDENT OF THE BOARD

ILLINOIS BOARD OF HIGHER EDUCATION

The President of the Board reported in some detail on the actions of the Board of Higher Education at a meeting on January 11, 1967, concerning the request for operating funds for 1967-69. The following are his extemporaneous remarks concerning the actions and the status of the institutional relations of the Board of Higher Education.

I would like to report to the Board today what happened at the meeting of the State Board of Higher Education yesterday relating to the University's request for its biennial operating budget for 1967-69.

The current biennial budget is approximately \$214 million, and the request for increases submitted to the State Board totaled approximately \$67 million.

As you know, the requests from the various governing boards go to the staff of the State Board for examination, comment, and recommendations before submission for approval by the State Board. The institution's only opportunity to discuss changes recommended by its own staff and Board with the State Board occurs at the same time the State Board makes its decision on the proposed budget.

I have to report to you in all honesty that in some areas of the University of Illinois budget there was bitter disappointment to all of us. There were certain items not approved in the budget which I thought were fully justified and fully documented. I think the fact that they were not approved over the recommendations of the staff of the State Board, after our staff people had made fully adequate responses to these recommendations, indicates in part, at least, that some of the procedures being followed are not actually in the best interests of the State.

Since the establishment of the State Board, we have been very cooperative and have leaned over backwards, in effect, to work with the State Board. But, I think we have reached a point where we have to say that the University now can not condone certain procedures vitally affecting the future of the University and higher education in this State.

I point specifically to the lack of communication that often exists between members of the State Board and its staff, as well as between its staff and the individual institutions or systems. I refer specifically to the University of Illinois, with which I am most familiar.

I believe further that members of the State Board are handicapped in decision-making by the lack of a full opportunity for discussion and deliberation related to presentations of our position as a governing board and even presentations of the staff to the State Board.

To be more specific, yesterday the meeting was opened by the chairman with a statement which in effect indicated that he would look adversely upon and greatly disapprove any variations which the Board might make from staff recommendations on the operational budgets.

Since a major part of the purpose of the meeting yesterday was to listen to and to consider the presentations of the state universities in response to recommendations made by the State Board staff, I viewed this as a restriction which greatly reduced the value of yesterday's meeting. This view was shared by a number of other board members with whom I spoke, both institutional representatives and "public" members of the State Board. Presentations by the universities deserve more consideration than was given to the points at issue between the institutions and the staff.

I think the request for additional funds for Research and Education Hospitals at the Medical Center is a case in point. The request was for something over a million dollars for increased operational costs, largely as a "catch up," but also for improvements in services. The record is clear that the hospitals have been falling behind because of significant increases in the costs of operations. Sources I consider authoritative indicate that the increase in hospital costs in the Chicago area this year will be approximately 20 per cent.

The overriding facts in my mind on this point were the statements made by our own staff that more than the amount requested would be recovered in income from operations of the hospitals through Medicare and Medicaid and by improved services of the hospitals.

The request would not, in effect, cost the State any real dollars for the investment of these funds, yet I could not even raise a second for my motion in this meeting to approve the increase over the recommendation of the Board Staff.

I think, as I said yesterday, one of the great dangers in a Board of this kind is that there is a tendency to move toward uniformity in dealing with various interests of the State. It is much easier to give everyone comparable amounts than it is to make distinctions based on institutional differences and eminence.

This, I think, was a factor that came into consideration when the subject of salary increases for the University of Illinois faculties was discussed. We had asked for an additional sum beyond the Board formula, on the grounds that we have been comparing ourselves with a group of other nationally known institutions with which we compete for faculty, and that without additional funds we would not be moving forward and possibly would be falling behind. Our goal has been to reach a mid-point in salary levels with these comparable universities, and we have

not been able to do that. In these days of high competition for staff and personnel this kind of consideration is extremely important.

I think we shall have to give careful consideration as a Board to the question of whether we wish to accept the State Board decisions, especially in areas where we think our position is unassailable. I am not suggesting that we attempt to override the State Board decisions, but I am going to refer the matter to the Finance Committee of this Board for study and recommendation as to what our position is to be.

I think, in conclusion, that we have seen the Executive Director of the State Board of Higher Education rise to the position of being the most powerful figure in higher education in the state of Illinois.

Perhaps this is inevitable in this kind of an arrangement. But, I say that when you shift power to the point that a single individual has control over higher education in the State, then that power should be exercised with extreme discretion and care and should have the checks and balances of an effective and knowledgeable board with whom that individual works. I do not by any means expect full agreement with these statements but I do expect full and fair consideration be given institutions in Board meetings, and that items of such significance to the future welfare of the Research and Education Hospitals, as an example, receive a full and fair hearing.

Underlying the present problem is the question of whether the State Board should attempt to establish a total figure into which biennial expenditures must be fitted, or whether the Board should first outline the needs of the State and its systems of higher education.

I have the feeling that the former has been done in an indirect way, that there has been an assumption on the part of the State Board, and probably by its chairman, that there is a certain dollar figure that should be met as far as the total budget of the State system is concerned.

I believe yesterday's State Board activity was directed to keeping within such a total figure. If this is the way it is going to be, the principles should be stated openly, and the State Board should inform the institutions that this is the ground rule under which we are operating. I think that the institutions should know what kind of arrangement is being contemplated, because to do so indirectly by having the staff of the State Board in its recommendations meet such a figure can lead to serious abuses.

It really is a question of dollars vs. needs and planning. I do not think you can set aside a figure before a careful analysis of needs has been made—that is, or to first say that our statewide needs are \$600 million and we shall have to fit all our planning within this \$600 million.

I do not mean to overlook the serious problem of additional need which has been occasioned by including the junior colleges in State Board considerations, which never has been a consideration before in the State of Illinois system.

We are close to a \$58 million increase in the University's budget over the last biennium and it now totals approximately \$272 millions. For this, we are extremely grateful, and we recognize that the Legislature has given us good cooperation and support in the past.

However, I think we should pay attention to the procedures which are currently being followed and the implications they have regarding the integrity of actions of this University of Illinois Board. As I said, I have referred the matter to the Finance Committee and I assume we will have a report, possibly by the next Board meeting.

FUTURE BOARD MEETINGS

President Clement announced that the next three meetings of the Board are scheduled for: February 9, 1967, at Chicago Circle (the place of the meeting having been changed from the Medical Center to Chicago Circle); March 14, 1967 (annual meeting), in Urbana; April 13, 1967, at the Medical Center in Chicago.

REPORT OF THE COMMITTEE ON BUILDINGS AND GROUNDS

Mr. Pogue, for the Committee on Buildings and Grounds, presented the following report:

At the December 8, 1966, meeting of the Board of Trustees, Mr. Irving Dilliard suggested that the building now housing the College of Law be named for former Governor Adlai E. Stevenson. The President of the Board referred this question to the Committee on Buildings and Grounds.

The Committee has heard reports from the President of the University and the Dean of the College of Law concerning the reactions of the faculty and alumni to Mr. Dilliard's suggestion. The Committee has discussed the suggestion at some length and now makes the following report of its actions: (1) that the present name of the building, "Law Building," be unchanged (this action of the Committee was approved by a vote of four to two); (2) that the Committee will explore the concept of seeking an appropriate means of memorializing Mr. Stevenson at some location or in some way on the Urbana campus (this was approved unanimously).

EARL W. PORTER
Clerk

HAROLD POGUE, *Chairman*
IRVING DILLIARD
EARL M. HUGHES
WAYNE A. JOHNSTON
TIMOTHY W. SWAIN
KENNEY E. WILLIAMSON

GUESTS OF THE BOARD

President Clement announced that a group of undergraduate student leaders had been invited to be guests of the Board at this meeting and at luncheon.

RECESS AND EXECUTIVE SESSION

President Clement stated that an executive session had been requested and was being ordered for consideration of business relating to patentable inventions and acquisition of property.

On motion of Mr. Williamson, the Board recessed.

When the Board reconvened in executive session, the same members, officers of the Board, and officers of the University were present as recorded at the beginning of these minutes except Mr. Page who asked to be excused.

The Board considered the following report and recommendation from the President of the University.

RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE

(34) The University Patent Committee, with the concurrence of the Chairman of the University Research Board, submits the following reports and recommendations relating to patentable inventions by members of the staff.

1. Energy receiver or transmitter — Will J. Worley, Professor of Theoretical and Applied Mechanics, inventor. The device consists of two parts, a reflector and a collector or a transmitting source. The combination may be used to receive energy originating at a remote location or it may be used to transmit energy to a remote location. The energy may be electromagnetic, heat or sound energy. The novelty of the device lies in the geometric shapes of the reflector and the collector or transmitter.

The Committee was advised that the inventor has requested a grant from the National Science Foundation to do further work on the idea and that commercial possibilities are quite remote. It is recommended that the rights of the University be assigned to the inventor.

2. On-line computer device for input of manual symbolics — Richard M. Brown, Professor of Electrical Engineering and Research Professor of Physics in the Coordinated Science Laboratory, inventor; developed under a contract with the Department of the Army. This is an input device for a digital computer which, along with a computer program, makes possible the recognition of a wide range of symbolic characters which are manually traced or printed at the time of use. The essential difference between this technique and other character recognition schemes lies in the introduction of stroke information and tracing sequence information as well as the customary tracing position information.

The Committee concluded there was little or no commercial value in this invention and recommends that the University assign its rights to the sponsoring agency.

3. Stored-sign borrow-save subtractor—James E. Robertson, Research Professor of Electrical Engineering and in the Department of Computer Science, inventor. This is a design which permits new procedures in subtraction and addition and reduces the storage requirements in computer operation. The technical description follows: A borrow-save subtractor forms the difference $d = x - y$, where x is the minuend and y is the subtrahend, in such a way that no borrow propagation occurs. The difference and the minuend are three valued (1, 0, -1), and the subtrahend is in conventional two valued (0, 1) form. If the two binary digits necessary to represent d and x are interpreted as their sign and magnitude, a novel subtractor design results. Addition is possible by complementing the sign digits of d and x ; that is $x + y = [(-x) - d]$. If addition is performed in this way, the location of the least significant digit need not be known, which may be of advantage in some variable precision computer organizations. An additional novel feature is that by complicating the control sequencing, the storage requirements for representing d and x can be reduced from a total of four binary digits to three binary digits.

The Committee concluded there was little or no commercial value in this invention and recommends that the rights of the University be assigned to the inventor.

4. Apparatus to measure the thickness of a concrete member by gamma ray transmission—Kenneth Preiss, formerly Assistant Professor of Civil Engineering and of Nuclear Engineering, inventor. This device involves a source of gamma radiation, contained in a collimating shield, which is held against one face of a concrete member and a radiation detector which is held against the other face, opposite the source. The apparatus is built and calibrated in such a fashion that the count rate shown by the detection system will measure the thickness of the concrete.

The Committee concluded there was little or no commercial value in this invention and recommends that the University assign its rights to the inventor.

5. Frequency independent antenna with parasitic elements—Paul E. Mayes, Professor of Electrical Engineering, and Kenneth E. Jones, formerly Teaching Assistant in the Department of Electrical Engineering, inventors; developed under a contract with the Department of the Air Force. This invention involves the use of a vertically polarized log-periodic antenna over ground as a frequency independent driving element. Two rows of scattering monopoles were symmetrically disposed, one on each side of the driver. Lengths and spacings of the parasitic monopoles were determined to correspond substantially with a log-periodic geometry. The bases of the monopoles were electrically connected to the ground plane. The monopole diameters were adjusted to minimize the frequency dependent performance of the system combining the driving element plus the parasitic element.

The Committee recommends that the rights of the University be assigned to the University of Illinois Foundation so that a patent application may be filed, subject to the rights of the sponsoring agency.

6. Rotary electrostatic precipitator—Shao Lee Soo, Professor of Nuclear Engineering and of Mechanical Engineering, inventor. This device consists of electrodes and collector plates mounted in a drum on a rotating wheel. The passages of dusty gas to be cleaned and the passages for the cleaning of the collector plates are separated by seals over the drum. The collector passages alternately pass between these sectors to collect dust and to be cleaned.

The Committee recommends that the rights of the University be assigned to the University of Illinois Foundation so that a patent application may be filed.

7. Shunt-fed superdirective helical dipole (monopole) antenna—Paul E. Mayes, Professor of Electrical Engineering, and David T. Stephenson, formerly Research Associate in the Department of Electrical Engineering, inventors; developed under a contract with the Department of the Army. This invention applies a shunt-feeding technique to a normal-mode helical dipole (or monopole) which displays a superdirective effect when operated in its second resonance. The purpose of the shunt-feeding is to increase the radiation resistance and bandwidth of the dipole.

The Committee recommends that the rights of the University be assigned to the University of Illinois Foundation for patent application, subject to the rights of the sponsoring agency.

8. Short interval timer — George R. Frost, Research Associate in Secondary and Continuing Education, inventor; developed under a contract with the National Science Foundation. This is a low cost and rugged device for measuring short intervals of elapsed time. A bubble in a liquid confined in a sealed tube moves over unit distance in unit time when the tube is tilted. The novel feature is the preset rocker which controls the velocity of the bubble along the tube.

The Committee recommends the assignment of the rights of the University to the University of Illinois Foundation for possible patent application, subject to the rights of the sponsoring agency.

9. Optical spectrum analyzer — Jack R. Baird, Assistant Professor of Electrical Engineering, Murray D. Sirkis, Professor of Electrical Engineering, Oscar L. Gaddy, Associate Professor of Electrical Engineering, and Nick Holonyak, Jr., Professor of Electrical Engineering, inventors. The optical spectrum analyzer is an instrument designed to perform the same function as the spectrometer, but to do it on a real time basis. A dynamic plot of intensity versus wavelength is obtained on an oscilloscope.

The Committee recommends the assignment of the rights of the University to the University of Illinois Foundation for possible patent applications.

I concur in these recommendations.

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

REPORT ON CONDEMNATIONS, URBANA

(35) In accordance with previous action of the Board, condemnation proceedings were instituted in the name of the Illinois Building Authority for acquisition of the properties at 904 and 908 South Sixth Street, Champaign, which are required for the Psychology Building, and 1304 West Main Street, Urbana, which is required for Civil Engineering, Phase IIa.

Judgment orders were entered in each of the above cases on December 13, 1966, in the Circuit Court of the Sixth Judicial Circuit, providing for the following payments to be made for acquisition of the properties: 904 South Sixth Street, Champaign, \$65,000; 908 South Sixth Street, Champaign, \$57,500; 1304 West Main Street, Urbana, \$45,000.

The above prices are all within appraisals received by the University.

This report is submitted for record.

On motion of Mr. Johnston, this report was received for record.

At the conclusion of the executive session, on motion of Mr. Johnston, the Board adjourned.

EARL W. PORTER
Secretary

HOWARD W. CLEMENT
President

BOARD COMMITTEE MEETINGS

Work sessions of the Committees on Buildings and Grounds and General Policy were held in the afternoon.