

MEMORANDUM

TO: George T. Matthews
Chairperson, Senate Steering Committee

FROM: *CC* Carlo Coppola
Chairperson, University Research Committee

JNP Lewis N. Pino
Director, Research and Instructional Services

SUBJECT: Annual Report of University Research Committee, 1977-78

Attached is a detailed listing of individual grants made during 1977-78 from the University Research Fund and the Alumni Association Undergraduate Research Fund.

In addition to the regular small grants and research fellowship programs, the Committee, this year, offered support to individual departments and department-like units for the purchase of library research materials. The five grants made, for a total of \$9,720, represent, in our view, a substantial addition to the growing store of primary and secondary reference materials available to our faculty and students.

The Office of Research Services, with the support of the Provost and the Committee, produced the second in a continuing series of annual bibliographies listing faculty and staff contributions to arts, letters, and sciences. We have seen growing use of this document, both on and off campus, and response continues to be favorable.

We would like to express once more our gratitude to the Oakland University Alumni Association for continuing support of the undergraduate research grant program. This effort promises to become more extensive as students currently enrolled in the Honors College reach junior and senior status.

During the year the Committee assisted Dr. Pino as he developed a revised statement on Patent Policy and Procedures for Oakland University. That document has now been accepted by the President and his staff and will be going to the Board of Trustees within the next few months.

The Committee was called on to advise the Provost on his selection of a theme for the first research conference to be funded by Meadow Brook Hall. In all, eight proposals were submitted and the Provost, with the advice of the Committee, selected Molecular Mechanisms of Steroid Hormone Action submitted by Professor Roy and associates.

You will note in the grants listing a new category entitled "Discretionary Typing Assistance." This effort to improve access to typing services for those with completed work, ready for submission, has worked well and will, in all probability, be continued.

For the record, the members of the hard-working committee for 1977-78 were Jean Braun, Carlo Coppola, David Evans, Alice Gorlin, G. Philip Johnson, Lewis N. Pino, Peter Schmidt, Irwin Schochetman, Beth Titus, and Gertrude White.

May 5, 1978

SUMMARY
 OAKLAND UNIVERSITY RESEARCH COMMITTEE
 1977-78

Type	Number of		Amount Awarded
	Proposals	Grants	
Small grants	39	27*	\$15,180.00*
Fellowships	26	19	49,278.00
Library Materials	6	5	9,720.00
Total Amount Awarded			\$74,178.00
Assistance for page charges, books, and reprints			\$ 3,041.32
Discretionary Typing Fund			243.75
Total			\$77,463.07

OAKLAND UNIVERSITY ALUMNI ASSOCIATION

Undergraduate Research grants	9	7	\$1,232.00
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* The number of grants awarded reflects the awards for discretionary typing assistance as well as one award recommended for funding through the BRSG grant fund; the dollar amounts are not included in the amount awarded.

Office of Research Services
 May 5, 1978

FELLOWSHIP AWARDS

Name/Department	Title	Amount Awarded
Sheldon Appleton (Political Science)	"Sources of Presidential Popularity"	\$3,000
John Barnard (History)	"Walter Reuther and the Auto Workers"	3,600
Beverly K. Berger (Physics)	"Gravitational Radiation"	2,000
Charles Ching-an Cheng (Mathematics)	"Cohomological Dimensions of Small Categories"	2,400
David J. Downing (Mathematics)	"Fixed Point Theory in Nonlinear Functional Analysis"	2,400
James D. Graham (History)	"Rural Development and Alienation in Southern Tanzania"	3,600
Stanley Hollingsworth (Music)	"Piano Concerto for Meadow Brook"	2,000
James Hoyle (English)	"An Edition of <u>Edmund Oliver</u> "	3,228
Joseph Klaitz (History)	"Witch Trails in 17th Century Alsace"	3,600
Richard Molnar (Mathematics)	"Hopf algebras"	2,400
Brian Murphy (English)	"Science Fiction of C.S. Lewis"	3,200
Subbaiah Perla (Mathematics)	"Multivariate Extension of T-method"	2,400
Abdel Rahman (Engineering)	"External Combustion Engine"	2,000
Jean E. Roberts (Mathematics)	"Studies in Topology"	2,400
Miron Stano (Economics)	"Effects of Physician Supply on Price and Utilization of Medical Care"	3,500
David Stevens (Communication Arts)	"The Salisbury Court Theatre, 1630-1642"	2,550
Stephen J. Wright (Mathematics)	"C*-algebras"	2,400
Harold Zepelin (Psychology)	"Studies in the Phylogeny of Sleep"	2,600

SMALL GRANTS

<u>Name/Department</u>	<u>Title</u>	<u>Amount Awarded</u>
John Beardman (Art/Art History)	"The Role of Dual Surface in Creating Tension and Harmony"	\$600.00
Alphonso R. Bellamy (Economic/Management)	"Leadership Style and Work Group Performance: A Situational Approach"	600.00
Gottfried Brieger (Chemistry)	"Thermal Decomposition of Aluminates"	600.00
William C. Bryant (Modern Languages)	"Examination of the <u>Historia del Huérfano</u> manuscript"	438.00
John B. Cameron (Art/Art History)	"Capital Studies and Architectural History: Romanesque and Early Gothic in the North of France"	550.00
Thomas W. Casstevens/ Ed. J. Heubel (Political Science)	"Pilot Study of 6th Circuit Court Juries"	800.00
Charles C. Cheng/Yel-Chiang Wu (Mathematics)	"Mini-algebra Conference"	1,000.00
James Dow (Sociology/Anthropology)	"The Effect of Sexual Frustration on Violence in Simple Cultures"	496.00
George Feeman (Mathematics)	"Investigations in the Teaching and Learning of Mathematics"	699.00
Robert Goldstein (Political Science)	"Political Repression and Political Development"	450.00
Donald Hildum (Communication Arts)	"Organizational Communication"	169.00
I. Ted Landau (Psychology)	"Effects of Testosterone on Male Rats"	646.00
Charles Lindemann (Biology)	"Control of Sperm Motility"	560.00
Sid Mittra (Economics/Management)	"Credit Ratio Spread as an Investment Tool"	800.00
Virinder K. Moudgil (Biology)	"Study of Estrogen Receptors"	850.00
Colin A. Palmer (History)	" <u>Human Cargoes: The English Slave Trade to the Americas</u> "	71.10
Abdel Rahman (Engineering)	"External Combustion Engine"	1,000.00
Sam S. Rakover (Psychology)	"Analysis of data collected from Haifa University"	595.00
Daniel F. Ring (Kresge Library)	"Profile in Leadership: Linda Eastman and the Cleveland Public Library"	452.00
Keith Stanovich (Psychology)	"Mechanisms of Word Recognition"	300.00

Small Grants

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<u>Name/Department</u>	<u>Title</u>	<u>Amount Awarded</u>
Charlotte Stokes (Art/Art History)	"The Use of Scientific Diagrams in the Paintings of Max Ernst"	\$ 533.00
Socrates D. Tountas (Economics)	"The Constancy of Labor's Share: An Empirical Analysis"	590.00
Kiichi Usui/John Cameron (Art History)	"Meadow Brook Hall: Architecture and Decoration, 1926-29"	600.00
William White (Communication Arts)	"Walt Whitman: Selected Journalism"	1,200.00
Harold Zepelin (Psychology)	"Sleep in the Domestic Duck (Anas Platyrhynchos Domesticus)"	581.00

LIBRARY RESEARCH MATERIALS GRANTS

<u>Name/Department</u>	<u>Amount Awarded</u>
John Barnard/History	\$ 3,400.00
Gottfried Brieger/Archaeology Concentration	600.00
Renata Gerulaitis/Women's Studies	1,500.00
William Hoffman/Mathematical Sciences	2,650.00
Richard Tucker/History-Area Studies	1,570.00

OU ALUMNI ASSOCIATION
UNDERGRADUATE RESEARCH AWARDS

Name/Sponsor	Title	Amount Awarded
Craig J. Gordon (Egbert Henry-Biology)	"The Effects of Triacontanol on 'Little Marvel' and Alaska Peas (<u>Pisum sativum</u>)"	\$ 200.00
Allen Jones, II (Beverly Berger-Physics)	"Generality of Cosmological Black Body Radiation"	\$ 170.00
Joyce A. Koss (Jean Braun-Psychology)	"Assessment of Attitudes Toward Rape"	150.00
Nancy Lang (John Cameron-Art History)	"A Computer Analysis of Twelfth Century Base Profiles in Northern France"	250.00
Lenora Ledwon (Lawrence Orton-History)	"History of Polish-American Culture in Metropolitan Detroit"	200.00
Eugenia C. Sumnik (Janice Schimmelman-Art History)	"Nineteenth Century Women Artists of Southeastern Michigan"	200.00
Debra Yelencich (Jacqueline Scherer-Sociology)	"Third Annual Intercollegiate Convention of Graduate and Undergraduate Sociological Researchers"	62.00

DISCRETIONARY TYPING FUND

Elizabeth Titus/Philip Singer (Kresge Library/Anthropology)	\$115.50
Sam S. Rakover (Psychology)	20.25
Irwin Schochetman (Mathematics)	108.00
Total Expenditures - May 1, 1978	\$243.75

Assistance to faculty members for publication costs and the purchase of reprints,
1977-1978.

Name	Department	Amount
Richard Burke	Philosophy	\$ 31.53
Thomas Casstevens	Political Science	80.00
Melvin Chernov	History/Honors College	25.00
Carlo Coppola	Modern Languages/Area Studies	6.30
John Cowlishaw	Biological Sciences	17.50
John Dettman	Mathematical Sciences	40.00
Robert Edgerton	Engineering	30.00
Geraldene Felton	Nursing	192.50
Thomas Friedman	Biological Sciences	40.00
Robert Goldstein	Political Science	14.00
Ranald Hansen	Psychology	40.00
Kenneth Harmon	Chemistry	160.00
Ed J. Heubel	Political Science	35.00
Egbert Henry	Biological Sciences	40.00
Laszlo Hetenyi	Education	53.13
Douglas Hunter	Biological Sciences	202.50
Peter Keelin	Education	36.50
Abraham Liboff/ Michael Chopp	Physics	262.50
Donald Morse	English	120.00
Barukh Nevo	Psychology	137.50
Daniel Ring	Kresge Library	27.00
John Romeo	Biological Sciences	110.00
Parbury P. Schmidt	Chemistry	40.00
Irwin Schochetman	Mathematical Sciences	40.00
Helen J. Schwartz	English	32.00
Christine Sloane	Chemistry	46.08
Michael Solomon	History	34.00
Keith Stanovich	Psychology	40.00
David Stevens	Communication Arts	27.50
Ronald Swartz	Education	52.45
Gilbert Wedekind	Engineering	122.50
Stephen Wright	Mathematical Sciences	40.00

Assistance to faculty members for purchase of author's copies of books

William Bryant	Modern Languages	200.00
Leonardas Gerulaitis	History	200.00
Robert Howes/ Lawrence Orton	History	76.33
Sid Mittra	Economics	82.60
Philip Singer	Anthropology	198.00
Donald Warren	Sociology	108.90