

MEMORANDUM

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TO: George T. Matthews
Chairperson, Senate Steering Committee

FROM: Joseph der Hovanesian *LDH*
Chairperson, University Research Committee

Lewis N. Pino *AMP*
Director, Research and Instructional Services

SUBJECT: Annual Report of University Research Committee, 1975-76

Attached you will find a summary of activity as well as detailed listings of grants made during 1975-1976 from the University Research Fund and the Undergraduate Research Fund.

Perhaps the most interesting development of the year was the introduction of a summer research fellowship program (Type A) for "those members of the faculty who have been working in a particular project area and are at the stage where analysis and synthesis are more crucial than collection of data or material." The Committee feels that it now offers a fairly complete spectrum of grants, extending from support for the initiation of new scholarly efforts to the analysis and publication of results.

In its call for proposals dated September 15, 1975, the Committee increased the level of support available for travel reimbursement and for the purchase of reprints, in recognition of the rising costs of both items.

We are grateful to the Oakland University Alumni Association which has raised its level of support for undergraduate research grants to \$2,000 a year. A table is appended indicating the level of activity in that competition, and listing the names of recipients, project titles, and sponsors.

Once again, the University Research Committee has had a busy year and we are pleased by the results of its careful deliberations. We extend our appreciation and best wishes to our colleagues on the Committee--Sheldon Appleton, Carlo Coppola, Kenneth Harmon, Eileen Hitchingham, G. Philip Johnson, Cecelia Klein (who served during the winter semester), Lyle Nordstrom (fall semester), David Smith, and Anne Tripp.

May 11, 1976

SUMMARY
OAKLAND UNIVERSITY RESEARCH COMMITTEE
1975-1976

Proposals	Grants Awarded	Dollars Awarded
Small Grants		
58	33	\$16,851.00
Fellowship		
Type A - 8	4	13,800.00
Type B - 26	11	<u>30,900.00</u>
Total Amount Awarded 1975-1976		\$61,551.00
Page charges, books, and reprints		<u>2,288.86</u>
Total dollars awarded		\$63,839.86

Office of Research Services
May 11, 1976

SUMMARY

OAKLAND UNIVERSITY RESEARCH COMMITTEE

1975-1976

Oakland Alumni Association Undergraduate Research Grants

Proposals	22
Grants Awarded	10
Dollars Awarded	\$1,963.00

Office of Research Services
May 11, 1976

UNIVERSITY RESEARCH COMMITTEE

Grants Awarded, 1975-1976

Small Grants	Title	Amount
Herbert Appleman (English)	Book & Lyrics: The Transformation of the American Musical	\$ 600
Sheldon Appleton (Political Science)	Contemporary Society of Taiwan	200
Jean Braun (Psychology)	Study of Participants in Learning Disability Program	600
Gottfried Brieger (Chemistry)	Selected Sugars as Rodenticides	600
William Bryant (Modern Languages)	Manuscript by Martin de Leon	320
Frank Butterworth (Biology)	Studies in Multiple Sclerosis	600
Denis Callewaert (Chemistry)	Evolution of Certain Dehydrogenases	500
Brian Coyer (Political Science)	Indian and Mexican Wheat-Growing Districts	500
John Cutts (English)	Martin Llewellyn's <u>Men-Miracles, 1649</u>	600
Peter Evarts (Learning Skills)	Ibo Poetry and Folk Narrative	500
Richard Ewing (Mathematics)	Numerical Aspects of Mathematical Modelling of Physical Phenomena	600
Joel Fink/Doris Sponseller (Education)	Early Childhood Education: An Examination of the Views of the Educators	600
William Forbes (Biology)	Nutrient Analysis of Several Seeds	300
Thomas Friedman (Biology)	Purine and Carbohydrate Metabolism	600
Esther Goudsmit (Biology)	Galactogen Synthesis in the Land Snail	600
L. Nichols Grimes (Biology)	Studies in Cartilaginous and Fibrous Connective Tissue Repair	600
W. Dorsey Hammond (Education)	Reading Strategies and Recall	433
Allen K. Hess (Psychology)	Measurement of Augmentation Reduction: Toward a Synthesis of Methods	600
" " "	Racial Tension, Fantasy, and Autokinetic Effect in Two Types of Criminals	525
Edward Heubel (Political Science)	Church and State in Franco Spain	335
Yau Y. Hung (Engineering)	Stress Analysis of Large Structures	600

Small Grants	Title	Amount
Vincent B. Khapoya (Political Science)	Black Americans and Africa: A Survey of Attitudes and Perceptions	\$ 600
Cho Y. Liang (Engineering)	Heat Transfer Study	600
Jeffry Mallow (Physics)	Collaborative Research, Hebrew Institute of Jerusalem	600
Virginia O'Leary (Psychology)	Who Likes Emotional Men: College Students' Attitudes Toward Males Acting Out of Role	600
Mary Otto/David Smith (Education)	The Professional as Parent	517
Gayle Partmann (Linguistics & Sociology)	Sociolinguistic Comparison of Socio-Economic Groups in Abidjan, Ivory Coast	201
Joel Russell (Chemistry)	Electronic and Vibrational Spectra of Azaindolizines	600
Amos Spector (Psychology)	Split-Span Experiment	600
David Stonner (Psychology)	Factors in Aggression	570
W. Patrick Strauss (History)	Nicholas Trist and the Slave Trade, 1833-1839	400
Carla Zainie (Art History)	Art and Culture Under the Ashikagas	450
Harold Zepelin (Psychology)	A Study of Sleep in the Common Rhea (<u>Rhea americana</u>)	300

Fellowship Awards	Title	Amount
<u>Type A</u>		
John Dettman (Mathematics)	Related Differential Equations and their Applications	\$3400
Kenneth Harmon (Chemistry)	Strong Hydrogen Bonding and Organoboron Chemistry	3500
Lyle Nordstrom (Music)	The Lute Duet in the 16th and early 17th Centuries . . .	3500
S. Bernard Thomas (History)	Proletarian Forces, in Communist Revolutionary Strategy and Political Doctrine	3400

Fellowship Awards	Title	Amount
<u>Type B</u>		
Nancy Barry (Economics)	Regional Migration Patterns	\$2500
Carol Beers/James Beers (Education)	Reading and Cognitive Development	2400
John Cameron (Art)	Notre-Dame at Beaujeu and Romanesque Sculpture in the Lyonnais	3500
Thomas Church (Political Science)	Participant Calculation of "Expected Sentence" and the Plea Bargaining Process	2500
Jerrold Grossman (Mathematics)	A Study of Completions into Pro-Objects	2400
John Marney (Modern Languages)	Study of Chiang Yen (444-505)	2500
Roger Marz (Political Science)	Projective Geometry in Politics	3300
Louis Nachman (Mathematics)	The Classification-Construction Problem in Topological Dynamics	3400
A. C. Nag (Biology)	The Growth and Replication of Adult Amphibian Heart Cells	2500
Bradley Sands (Mathematics)	Stochastic Phenomena	2500
Gertrude White (English)	Poetry of Hillaire Belloc	3400

Undergraduate Awards	Title	Amount
Daniel Beck (Zepelin)	Mental Activity and EEG Changes During Dreaming . . .	\$ 200
Debra Sue Cottone (Barnes)	A Catalog of Aphrodite Images from Classical Antiquity	200
Daniel H. Johnson (Friedman)	Regulatory Mechanisms of Urate Oxidase in <u>Drosophila melanogaster</u>	200
Donald R. Kanter (Hess)	Hyperactivity and Reticular Arousal	200
Paul Kemner (Allvin)	The Investigation and Reconstruction of Renaissance Transverse Flutes	200
Kim Peters (Coppola)	Modern Performing Versions of Medieval French Texts	200
Mary M. Potvin (Harmon)	Alkylammonium Hydrogen Fluoride Complex Salts	200
Shelagh O'Rourke-Vincent (Dow)	Saut-d'eau Pilgrimage Project	200
Barbara Sutherland (Hansen)	Differential Effects of Instructions and Sex on Physical Proximity	163
Mark S. Wing (Friedman)	Studies on the Regulation of Urate Oxidase Just Prior to Metamorphosis in <u>Drosophila</u>	200

Assistance to faculty members for publication costs and the purchase of reprints 1975-1976

Name	Department	Amount
Charles Akers	History	\$ 40.00
Eleftherios N. Botsas	Economics & Management	21.81
Louis R. Bragg	Mathematical Sciences	40.00
Daniel N. Braunstein	Economics & Management	26.00
" "	"	26.00
John Cameron	Art & Art History	27.00
Ron Cramer	Education	40.00
John Cowlshaw	Biology	48.00
James Dow	Sociology & Anthropology	32.56
David Evans	Engineering	34.00
Thomas Friedman	Biology	30.00
James D. Graham	History	30.00
K. Harmon/I. Gennick	Chemistry	63.75
" "	"	72.50
Egbert Henry	Biology	40.00
" "	"	40.00
" "	"	40.00
Mary Etta Hight	Biology	165.37
Robbin R. Hough	Economics & Management	30.00
" "	"	30.00
" "	"	30.00
R. Douglas Hunter	Biology	30.00
" "	"	67.00
" "	"	109.04
" "	"	25.00
B & E. Kahana	Psychology	37.60
G. Klein/R. Blockovich	Psychology	30.00
Jeffry Mallow	Physics	35.00
" "	"	105.00
Virginia O'Leary	Psychology	29.15
" "	"	40.00
Dean Purcell	Psychology	30.00
" "	"	30.00

Name	Department	Amount
Daniel Ring	Kresge Library	\$ 6.75
David St. Amour	Modern Languages	40.00
Parbury Schmidt/John McKinley	Chemistry/Physics	30.00
Parbury Schmidt	Chemistry	40.00
"	"	40.00
Philip Singer/Carl Vann	Sociology	37.18
Chris Sloane	Chemistry	59.00
Amos Spector/L. Laughery	Psychology	40.00
Craig Taylor	Chemistry	15.52
Norman Tepley	Physics	18.00
Richard Tucker	History	8.55
Harold Zepelin	Psychology	55.00

Assistance to faculty members for purchase of authors' copies of books

John Cutts	English	\$ 84.00
Renata Gerulaitis	Modern Languages	7.90
James Dow	Sociology & Anthropology	49.80
John Marney	Modern Languages	61.35
Richard Mazzara	Modern Languages	118.80
Carl Osthaus	History	80.63
S. Bernard Thomas	History	21.60
TOTAL ASSISTANCE		\$2,288 86

Office of Research Services
May 11, 1976