

MEMORANDUM

June 29, 1975

TO: Frederick W. Obear, Chairman
Senate Steering Committee

FROM: Michael V. Riley, Chairman
University Research Committee

Lewis N. Pino, Director
Research and Instructional Services

Subject: Annual Report of University Research Committee, 1974-1975

Attached you will find a detailed listing of uses made of the University Research fund during the academic year just ended.

Interesting developments during the year include a major increase in summer research fellowship applications as well as an increase in the total pressure on the university research fund. You will note that during the year we have been able to fund slightly less than half of all fellowship applications and small grant proposals. The quality of the proposals is high and a significant number now go unfunded that two or three years ago would have readily been supported. This attests to the increasing research activity of the Oakland faculty and its continued high caliber.

We are pleased that the Steering Committee of the Senate has moved the reconstituting of University committees from the fall to the spring. The 1975-76 Research Committee under the chairmanship of Professor Hovanesian and with the assistance of the retiring chairman has already reviewed the past work of the Committee in order to make some minor but important revisions in procedures and support programs for the coming year. For example, an inventory is to be maintained of all general purpose equipment purchased with grant funds (e.g., cameras, tape recorders, centrifuges) so that unnecessary duplications can be avoided.

This year's University Research Committee has been extremely hard-working and effective. We extend our congratulations and best wishes to our colleagues on the committee--Kenneth Harmon, Eileen Hitchingham, Joseph Hovanesian, Keith Kleckner (who served on the Committee during the bulk of the year as a replacement for Dean Johnson during his sabbatical), Sid Mittra, Lyle Nordstrom, Phil Johnson, David Smith, and Anne Tripp.

LNP:bb

1974-75

SUMMARY

OAKLAND UNIVERSITY RESEARCH COMMITTEE

Faculty Research Proposals	Grants Awarded	Dollars Awarded
Small Grants		
57	27	\$12,074.50
Summer Fellowship		
33	16	35,800.00
90	43	\$47,874.50
Research Leave $\frac{1}{2}$ Salary, Fall Semester 1974 (History)		<u>\$10,000.00</u>
Total Amount Awarded 1974-1975		\$57,874.50
Pending:		
Research Leave - Ronald DeVore, Fall Semester 1975 (Mathematics)		
Undergraduate Proposals		
17	8	\$ 944.00

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UNIVERSITY RESEARCH COMMITTEE

Grants Awarded During 1974-75

Account Number	Name	Department	Title	Amount	Period
SMALL GRANTS					
27013	Brakke, P. Michael	Art	Post cubist grid systems	\$ 600.00	11/26/74-11/26/75
26559	Bryant, William	Mod. Lang.	Hispanic Society, N.Y.C. - Research	152.50	12/1/74
27016	Butterworth, Frank	Bio. Sci.	Function of male lipid in Drosophila	600.00	12/1/74-12/1/75
27148	Callewaert, Denis	Chem.	Characterization of an Immunosuppressive Factor from a Lymphoblast Cell Line	500.00	1/1/75-12/31/75
27241	Chipman, Curtis	Math.	Michigan Topology Conference	300.00	
27026	Christina, Robert	Education	Word Boundary Knowledge	392.00	12/1/74-4/30/75
27021	Church, Thomas	Poli. Sci.	Assessment of Elimination of Charge Reduction Plea Bargaining in Oak. Cty. Drug Sale Cases	600.00	12/1/74-8/30/75
27344	Evarts, Peter	Learning Skills	Study Ibo epic poetry and folk tales	500.00	1/1/75-10/1/75
27030	Harmon, Kenneth	Chemistry	Strong Hydrogen Bonds-Organoboron Grignard Reagents	600.00	1/1/75-6/30/75
27037	Howes & Orton	History	Michael Bakunin's <u>Confession</u> - Translation	220.00	11/26/74-12/31/75
27343	Ireland, Leonard	Psychology	Monitoring behavior & physiology of aquatic animals	500.00	3/10/75-2/28/76
27039	Klein, Cecelia	Art	Pre-Columbian Mexican Art study	430.00	11/26/74-12/31/75
27044	Liboff, A.	Physics	Ultra low background radiation measurement	200.00	11/26/74-3/31/75
27345	Livermore, Brian	Bio. Sci.	Biosynthesis of complex lipids by the Genus <u>Treponema</u>	500.00	3/10/75-2/28/75
27346	Minor, Billie Joe	Education	Perception Comparison of CETA employees and their supervisors	500.00	3/10/75-12/31/75
27048	Mittra, Sid	Economics	International Study of Central Bank Policy Formulation	500.00	11/26/75-11/30/75
27053	O'Leary, Virginia	Psychology	Defensive externality study	450.00	11/26/75-12/31/75
27347	Osthaus, Carl	History	Editorial Career of Francis W. Dawson	500.00	3/10/75-9/30/75
27349	Pfeil, Cliff	Music	Integrating fixed electronic sound-sources. . .	400.00	3/10/75-9/30/75
27348	Romeo, John T.	Bio. Sci.	Non-protein amino acid study	500.00	3/10/75-12/31/75
27163	Scherer, J. & Slawski, E.	Soc./Anthro.	The Transfer Process	600.00	10/10/74-2/28/75

Small Grants continued

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27350	Spector, Amos & Purcell, Dean	Psychology	Stimulus sequence control apparatus	\$ 950.00	3/10/75-12/31/75
27351	Sponseller, Doris	Education	Toddler play study	380.00	3/10/75-10/30/75
27059	Unakar, Nalin J.	Bio. Sci.	Cataract formation study	600.00	11/26/74-11/30/75
27063	Weng, Tung H.	Engineering	Semi-conductor materials & metals	600.00	11/26/74-8/31/75

UNDERGRADUATE RESEARCH AWARDS DURING 1974-75

27166	Dana, Candice	Soc./Anthro.	Study of Sanilac petroglyph site	100.00	1/1/75-10/30/75
27174	Donnelly, Gerard	Bio. Sci.	Effects of ultraviolet irradiation	150.00	1/1/75-10/30/75
27175	Dziedzic, Daniel	Bio. Sci.	Ultrastructural cytochemistry of normal and cataractous lenses	150.00	1/1/75-10/30/75
27176	Gallup, David	Bio. Sci.	materials cost - tissue transplant tool	34.00	1/1/75-4/15/75
27177	Harries, James B.	Economics	Study of developmental significance of the Michigan Lumber Industry	100.00	1/1/75-10/31/75
27178	Johnson, Daniel	Bio. Sci.	Study of regulatory mechanisms of urate oxidase in Drosophila melanogaster	150.00	1/1/75-10/31/75
27179	Neville, Debra K.	Psychology	Validity measure of personality tests	110.00	1/1/75-10/31/75
27173	Simson, Valjean & Badagliacqua, S. Bruce	Bio. Sci.	Study of role of metabolism in function of the retina	150.00	1/1/75-10/31/75

FELLOWSHIPS AWARDED DURING 1974-75

27149	Doane, David P.	Economics	Case Weighting Techniques. . .	2300.00	1/1/75-12/31/75
27150	Doherty, Paul M.	Physics	Measurement of Molecular Weight of Proteins in X-ray Induced Cataracts	2300.00	1/1/75-12/31/75
27151	Ewing, Richard	Mathematics	Sobolev equations	2300.00	1/1/75-12/31/75
27152	Fink, Robert S.	Psychology	Relevance of Piaget for Child-Clinical Psychology	1800.00	1/1/75-8/31/75
27033	Friedman, Thomas	Bio. Sci.	Studies of urate oxidase	2400.00	1/1/75-12/31/75
27153	Gorlin, Alice C.	Economics	Soviet "economic associations"	2300.00	1/1/75-12/31/75
27154	Gregory, Douglas	Economics	An evolutionary model of hospital growth	2300.00	1/1/75-12/31/75

Fellowships continued

27155	Hight, Mary Etta	Bio. Sci.	Evolutionary relationships of rodent families. . .	\$2250	1/1/75-12/31/75
27156	Hung, Yau Yan	Engineering	Further exploration of speckle-shearing interferometry for strain analysis	2300.00	1/1/75-12/31/75
26559	Liang, Cho Y.	Engineering	Study of perforated plate-fin heat exchangers	1800.00	1/1/75-8/31/75
27157	Lindemann, Charles	Bio. Sci.	Flagellar motility in mammalian sperm	2300.00	1/1/75-12/31/75
27158	Mallow, Jeffry V.	Physics	Relativistic self-consistent field theory for muonic atoms	2300.00	1/1/75-12/31/75
27159	Sloane, Christine	Chemistry	"Molecular Dissociation: The Ethyl Radical"	2300.00	1/1/75-12/31/75
27162	Solomon, I. Michael	History	Study of merchant Buddhist community in medieval Japan	2250.00	1/1/75-12/31/75
27160	Steers, Richard M.	Management	Employee attachment & performance in health care organizations	2300.00	1/1/75-12/31/75
27161	Stransky, Alfred	Education	The effects of physical training and an anabolic steroid on endurance performance, organ and muscle weights and selected hematological measurements in female rats.	2300.00	1/1/75-12/31/75

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OAKLAND UNIVERSITY RESEARCH COMMITTEE

1974-1975

Assistance to faculty members for publication costs and the purchase of reprints:

<u>Name</u>	<u>Department</u>	<u>Amount</u>
Bertocci, Peter	Sociology-Anthropology	\$ 18.70
Braunstein, David	Economics	26.00
Braunstein, David	Economics	26.00
Braunstein, David	Economics	26.00
Braunstein, David	Economics	26.00
Brieger, Gottfried	Chemistry	30.00
Briggs, Raymond	Psychology	30.00
Briggs, Raymond	Psychology	75.00
Briggs, Raymond	Psychology	30.00
Brown, Judith	Sociology-Anthropology	10.00
Burdick, Dolores	Modern Languages	30.00
Casstevens, T. & Ozinga, J.	Political Science	43.00
Cutts, John	English	28.00
Dow, James	Sociology-Anthropology	24.93
Dow, James & Camian, F.	Sociology-Anthropology	18.85
Eberwein, Jane	English	16.73
Eberwein, Robert	English	30.00
Ewing, Richard	Mathematics	30.00
Ewing, Richard	Mathematics	30.00
Goudsmit, Esther	Biological Sciences	30.00
Goudsmit, E. & Felding	Biological Sciences	14.00
Harmon, Kenneth	Chemistry	112.50
Harmon, Kenneth	Chemistry	75.00
Hess, Allen	Psychology	30.00
Hight, Mary Etta	Biological Sciences	30.00
Hunter, Douglas	Biological Sciences	21.00
Ireland, Leonard	Psychology	12.08
Ireland, Leonard	Psychology	15.44
Ireland, Leonard	Psychology	72.84
Ireland, Leonard	Psychology	45.50
Klein, et al.	Psychology	30.00
Klein, G.A. & Kurkowski, F.	Psychology	30.00
Klein, Klein, & Hildom	Psychology	30.00
Lilliston, Lawrence	Psychology	30.00

Assistance to faculty members for publication costs and the purchase of reprints:

<u>Name</u>	<u>Department</u>	<u>Amount</u>
Mazzara, Richard	Modern Language	\$ 5.00
Mazzara, Richard	Modern Language	5.00
Morse, Donald	English	30.00
O'Leary, Virginia	Psychology	30.00
Orton, Lawrence	History	30.00
Schochetman, Irwin	Mathematics	50.00
Schochetman, Irwin	Mathematics	21.00
Sharples, R. C.	Mathematics	28.00
Steers, Richard	Economics	9.95
Steers, Richard	Economics	18.45
Stone, Eugene & Porter	Economics	30.00

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

Barnard, John	History	<u>Child & Youth</u>	192.46
Bertocci, Peter	Sociology-Anthropology	<u>South Asia-Seven Community Profiles</u> (chapter)	37.50
Coon, George	Education	<u>Patterns of Language</u>	50.49
Hilton & Wu	Mathematics	<u>Modern Algebra</u>	164.02
Mazzara, Richard	Modern Languages	<u>Graciliano Ramos</u>	
Ozinga, James	Political Science	<u>Communism . . .</u>	80.43
Sponseller, Doris	Education	<u>Play as a Learning Medium</u>	33.00
Tagore, A.	Modern Languages	<u>Dict. Oriental Lit. 3 vols.</u>	36.00
Total Assistance			<u>\$1982.82</u>

Office of Research Services
/bb June 9, 1975

OAKLAND UNIVERSITY RESEARCH COMMITTEE

Small Grant Program 1972-1975

A Three Year Summary

Department	Proposals	Grants	Dollars Awarded
Art	13	10	\$ 5193.00
Biology	14	11	6000.00
Chemistry	8	7	3260.00
Classics	2	1	200.00
Economics & Management	9	7	3469.00
Education	16	5	2122.00
Engineering	7	4	2649.00
English	5	2	725.00
History	7	6	2250.00
Institute of Biological Sciences	4	3	1700.00
Learning Skills	1	1	500.00
Library	1	1	497.00
Mathematics	3	1	300.00
Modern Languages	6	3	722.50
Music	8	2	800.00
Physics	5	2	630.00
Political Science	6	5	2367.00
Psychology	34	20	9669.50
Sociology & Anthropology	3	2	1100.00
Speech	1	1	350.00
Totals	153	94	\$44,864.50

Office of Research Services

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O.U. RESEARCH FELLOWSHIP PROGRAM

A Seven Year Summary

1968-1975

Department	Proposals Submitted	Proposals Granted	Total Dollars Awarded
Area Studies	1	0	\$ 0
Art	1	0	0
Biology	9	6	11,650.00
Chemistry	6	4	8,680.00
Classics	2	1	2,400.00
Economics & Management	9	7	15,200.00
Education	4	3	6,300.00
Engineering	4	2	4,100.00
English	10	3	5,500.00
History	11	6	11,940.00
Institute of Biological Sciences	4	3	6,700.00
Learning Skills	2	0	0
Mathematics	20	9	19,300.00
Modern Languages	6	1	2,000.00
Music	1	1	2,000.00
Philosophy	1	0	0
Physics	4	3	6,556.00
Political Science	4	0	0
Psychology	5	2	3,800.00
Sociology & Anthropology	3	1	2,000.00
Totals	106	52	\$108,126.00

Distribution by Year of Award

1968-1969	4	2	\$ 4,000.00
1969-1970	9	5	10,000.00
1970-1971	14	5	10,000.00
1971-1972	24	11	22,000.00
1972-1973	11	6	10,500.00
1973-1974	12	7	16,470.00
1974-1975	32	16	35,156.00
Totals	106	52	\$108,126.00

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Revised June 24, 1975