

MEMORANDUM

Office of Research and Instructional Services

September 5, 1974

TO: The University Senate Steering Committee  
and the Graduate Council

FROM: Lewis N. Pino *LNP*  
Director of Research and Instructional Services

SUBJECT: 1973-74 Annual Report of the University Research Committee

The 1973-74 University Research Committee consisted of ten members, as follows: Michael Riley, Chairman, John Cameron, Ronald Cramer, Eileen Hitchingham, Joseph der Hovanesian, Philip Johnson, Sid Mittra, Lewis N. Pino, Norman Tepley, and S. Bernard Thomas.

The bulk of the work of the Committee is reflected in the attached lists and tables. Particular attention is directed to the two-year summary of activity by departments and schools in the small grant competitions.

During the year, the level of support for summer research fellowships was increased to \$2400 (\$1800 stipend plus \$600 allowance), and the maximum amount awarded under the small grant competition was increased from \$500 to \$600. Further, the Committee agreed for the first time to support, on a matching basis with schools and departments, the cost of page charges where payment of page charges was required in order to effect timely publication of significant research.

You will note that the Undergraduate Research Grants program has continued. We are convinced, as is the Alumni group, that this effort is extremely useful.

Two special awards were made during the year: a matching grant to the Mathematics Department in cooperation with the Provost to provide a calculator in support of a newly established statistical consulting service initiated by Professor Harvey Arnold; and a small grant to the Oakland University Sigma Xi Club to assist in support of its visiting lecture program during 1974-75. This one-time award to Sigma Xi reflects our pleasure in the move to chapter status.

On December 1, 1973, the Board of Trustees adopted the University Copyright Policy which had been developed with the assistance of the University Research Committee.

For the first time, the University was represented at the annual meeting (April 18-20, 1974) of the Eastern Science Congress at Worcester Polytechnic Institute in Massachusetts. Mr. Ketchum and his undergraduate colleague, Miss Deborah Davis, presented a paper at this meeting with the spiritual support of the Committee and the financial support of the Provost.

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The Committee wishes to express its appreciation to Mr. Obear for his award of \$4,000 in Biomedical Sciences Support Grant funds to the Committee so that selected research grants could be funded in the biomedical area.

During the year, three Oakland University faculty inventions were disclosed to our non-profit patent service agency, Research Corporation. Research Corporation evaluated the prospects of "obtaining patent protection and of licensing inventions for commercial use," and determined that, in each case, the prospects for return were not sufficient to justify patenting. This relationship has been a useful one for us, even though it has not as yet produced any revenue for either faculty inventors or for the University.

One bit of unfinished business which the Committee has on its agenda for this year is the continuing discussion with the Music Department on criteria to be applied in evaluating proposals requesting support for performances of various works. There are parallels developing here to our agreements with the Art Department on the nature of works of high artistic merit in the studio arts.

The research leave competition this year was, in one sense, disappointing. Only three applications were received, but the Committee did find that one of the three was of high quality.

Chairman Riley and the members of the Committee are convinced, I believe, that the Committee has responded well to its charge to "encourage and promote scholarship, advanced studies, and research among the faculty and staff of Oakland University." We look forward to another good year. We will begin those activities just as soon as the Steering Committee and the Graduate Council have indicated their wishes in regard to retention or replacement of Ms. Hitchingham and Messrs. Cameron, Cramer, and Tepley, who have completed their present terms of service with distinction.

LNP/ak

Attachments

OAKLAND UNIVERSITY RESEARCH COMMITTEE

RESEARCH GRANTS AWARDED, 1973-74

<u>Account Number</u>	<u>Name</u>	<u>Department</u>	<u>Title</u>	<u>Amount Granted</u>	<u>Period From</u>	<u>To</u>
30043	Appleton, Sheldon	Pol. Sc.	Sources of presidential popularity	\$ 600.00	3/8/74	2/28/75
30000	Arnold, Harvey & Casady, Robert	Math.	Initiation of statistical consulting service	528.50	12/1/73	6/30/74
30017	Barnard, John	History	History of American labor during World War II	500.00	1/1/74	8/31/74
30035	Beardman, John L.	Art	Painting investigation	600.00	3/8/74	2/28/75
20304	Brieger, Gottfried & Butterworth, Frank	Chem. Biology	Function of the male lipid in Drosophila	1,200.00	1/1/74	12/31/74
30032	Briggs, Raymond P.	Psychology	Coding and storage of visual information	600.00	1/24/74	8/31/74
30036	Cameron, John	Art	11th Century sculpture	535.00	3/8/74	4/1/75
30031	Cutts, John	English	Jacobean play: "Love's Changelings Change"	600.00	1/24/74	12/31/74
30018	Evans, David H. & Falkenburg, Donald R.	Engineering	Development of a vehicular traffic simulator	1,200.00	1/1/74	8/31/74
30012	Glenn, Ralph	Art	Japanese ink painting	600.00	1/1/74	12/31/74
30037	Goudsmit, Esther	Biology	Helix pomatia	600.00	3/8/74	2/28/75
30038	Hadden, Susan	Pol. Sc.	Agricultural policy in India	167.00	3/15/74	8/1/74

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OAKLAND UNIVERSITY RESEARCH COMMITTEE  
RESEARCH GRANTS AWARDED, 1973-74

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<u>Account Number</u>	<u>Name</u>	<u>Department</u>	<u>Title</u>	<u>Amount Granted</u>	<u>Period From</u>	<u>To</u>
30030	Harmon, Kenneth	Chem.	Quaternary ammonium compounds	\$ 820.00	1/24/74	12/31/74
30029	Hess, Allen K.	Psychology	Risk taking and personality correlates of primary and neurotic psychopathy	600.00	1/24/74	12/31/74
30016	Hight, Mary Etta	Biology	Evolutionary relationships in rodent families	600.00	1/1/74	8/30/74
30008	Hitchingham, Eileen	Library	The Medline system	497.00	1/1/74	5/30/74
30013	Hurd, John II	Economics	Trade and economic development in India	500.00	1/1/74	12/31/74
20301	Ireland, Leonard	Psychology	Open sea behavior of the hatchling green sea turtle	500.00	7/1/73	12/31/73
20305	Ireland, Leonard	Psychology	Development of acoustic ultrasonic transmitter for the behavioral sciences	494.00	1/1/74	12/31/74
30028	Klein, Helen A.	Psychology	Material complexity and theme	440.00	1/24/74	8/31/74
30039	Lilliston, Lawrence	Psychology	Altruism in children	600.00	3/8/74	2/28/75
30005	Morse, Donald	English	Study of Irish poet, essayist, novelist and playwright, Thomas MacIntyre	125.00	12/12/73	8/31/74
30040	Nordstrom, Lyle	Music	The English lute duet	400.00	3/8/74	2/28/75
30027	O'Leary, Virginia	Psychology	Role concept and achievement goal choice among women	500.00	1/24/74	12/31/74

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OAKLAND UNIVERSITY RESEARCH COMMITTEE  
RESEARCH GRANTS AWARDED, 1973-74

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<u>Account Number</u>	<u>Name</u>	<u>Department</u>	<u>Title</u>	<u>Amount Granted</u>	<u>Period From</u>	<u>To</u>
30045	Pak, Moon Jay	Biology	Development of Sigma Xi	552.00	4/29/74	4/30/75
30019	Rittenberg, Lawrence Art		Exploration of an integrated textured painting approach	500.00	1/1/74	8/31/74
20302	Roy, Arun K.	Biology	Androgen action in the liver tissue	500.00	7/31/73	5/31/74
30014	Steers, Richard M.	Econ. & Mgt.	Personality traits, job attributes, and employee turnover and absenteeism	569.00	1/1/74	12/31/74
30041	Taylor, Craig	Chemistry	Lanthanide shift reagents	100.00	3/8/74	12/31/74
30009	Thomas, S. Bernard	History	The role of the working class in Chinese communism	500.00	1/1/74	5/31/74
30042	Torgoff, Irving	Psychology	Cross-cultural comparison of child rearing attitudes	500.00	3/8/74	2/28/75
30011	Wallace, W. C.	Physics	Ultrasonic measurements of easy-axis change in cobalt	430.00	1/1/74	12/31/74
30033	Weng, Tung H.	Engineering	Preparation of binary alloys	400.00	1/24/74	8/31/74
20303	Winkler, Barry S.	Inst. Biol. Sc.	Metabolism and photoreceptor cell function	600.00	12/12/73	9/30/74
30010	Wozny, Michael J.	Engineering	Automatic control of emergency stopping of vehicles	449.00	1/1/74	5/31/74
				<u>449.00</u>		
				\$18,906.50		

Two Year Summary 1972-74

RESEARCH GRANT PROGRAM

OAKLAND UNIVERSITY RESEARCH COMMITTEE

<u>Department</u>	<u>Investigators</u>	<u>Proposals</u>	<u>Grants</u>	<u>Dollars</u>
ART	8	10	8	\$ 4,163
BIOLOGICAL SCIENCES	8	8	7	3,800
CHEMISTRY	6	6	5	2,520
CLASSICS	2	2	1	200
ECONOMICS & MANAGEMENT	6	7	6	2,969
EDUCATION	4	5	2	850
ENGINEERING	6	6	3	2,049
ENGLISH	3	5	2	725
HISTORY	4	4	3	1,500
INSTITUTE OF BIOL. SCIENCES	1	3	3	1,700
LIBRARY	1	1	1	497
MATHEMATICS	4	3	1	529
MODERN LANGUAGES	4	4	2	570
MUSIC	5	6	1	400
PHYSICS	1	1	1	430
POLITICAL SCIENCE	5	4	4	1,767
PSYCHOLOGY	17	18	16	7,770
SOCIOLOGY & ANTHROPOLOGY	1	2	1	500
SPEECH	<u>1</u>	<u>1</u>	<u>1</u>	<u>350</u>
Totals	87	96	68	\$33,289

LNP/hp

8/1/74

OAKLAND UNIVERSITY RESEARCH COMMITTEE  
RESEARCH LEAVE AWARDED DURING 1973-74

<u>Name</u>	<u>Department</u>	<u>Title</u>	<u>Period</u> <u>From</u>	<u>To</u>
Tucker, Richard	History	Cultural Renaissance and Political Nationalism in Maharashtra, 1830-1880	8/15/74	12/31/74

OAKLAND UNIVERSITY RESEARCH COMMITTEE  
 UNDERGRADUATE RESEARCH AWARDS  
 FUNDED BY OAKLAND UNIVERSITY ALUMNI ASSOCIATION DURING 1973-74

<u>Account Number</u>	<u>Name</u>	<u>Department</u>	<u>Title</u>	<u>Amount Granted</u>	<u>Period From</u>	<u>To</u>
30405	Davis, Deborah C.	Biology	In vitro studies on regulation of nitrate reductase	\$ 200.00	1/24/74	8/31/74
30404	Failor, Rebecca	Chemistry	Electron spin resonance of DNA fragments	180.00	1/24/74	8/31/74
30403	Fraver, Terry L.	History	Irish and American unionism before World War II	200.00	1/24/74	5/31/74
30402	Gennick, Irene Anna	Chemistry	Synthesis and characterization of a substituted carborane	200.00	1/24/74	8/31/74
30401	Nykyforiak, Christine	Biology	Enzyme systems of freshwater snail	<u>200.00</u>	1/24/74	8/31/74
				\$ 980.00		



OAKLAND UNIVERSITY RESEARCH COMMITTEE  
RESEARCH FELLOWSHIPS AWARDED DURING 1973-74

<u>Account Number</u>	<u>Name</u>	<u>Department</u>	<u>Title</u>	<u>Amount Granted</u>	<u>Period From</u>	<u>To</u>
30020	Casady, Robert	Mathematics	Binomial Distribution	2,200.00	1/1/74	12/31/74
30021	Fontcnot, Robert	Mathematics	The theory of linear operators	2,400.00	1/1/74	12/31/74
30022	Orton, Lawrence	History	Polish politics and Ukrainian Nationalism in Galicia in 1848	2,290.00	1/1/74	12/31/74
30023	Osthaus, Carl R.	History	The Southern press in the 19th Century	2,200.00	1/1/74	12/31/74
30024	Schochetman, Irwin	Mathematics	The extension problems in Math	2,400.00	1/1/74	12/31/74
30025	Shucard, Stephen C.	Classics	Euphony in Greek catalogue poetry	2,400.00	1/1/74	12/31/74
30026	Young, Donald C.	Chemistry	Coordination chemistry of the peptide moiety	<u>2,380.00</u>	1/1/74	12/31/74
				\$16,270.00		

OAKLAND UNIVERSITY RESEARCH COMMITTEE  
1973-74

Assistance to faculty members for the purchase of reprints:

<u>Name</u>	<u>Department</u>	<u>Amount</u>
Akers, Charles	History	\$ 16.12
Bragg, Louis	Mathematics	60.00
Braunstein, Daniel	Economics and Management	56.00
Bricker, David	Education	30.00
Brooks, Richard	Philosophy	30.00
Brown, Judith	Sociology and Anthropology	28.00
Butterworth, Francis	Biology	30.00
Cutts, Joseph	English	29.70
Dow, James	Sociology and Anthropology	12.00
Dumas, Joseph	Psychology	30.00
Genyee, Julien	Chemistry	30.00
Gorlin, Alice	Economics and Management	13.50
Harmon, Kenneth	Chemistry	30.00
Hess, Allen	Psychology	60.00
Hetenyi, Laszlo	Education	19.50
Hovanesian, J. D.	Engineering	30.00
Ketchum, Paul	Biology	60.00
Kinsey, Everett	Institute of Biological Sciences	30.00
Klaits, Joseph	History	21.24
Kleckner, Keith	Engineering	30.00
Klein, Gary and Helen	Psychology	17.10
Klein, Helen	Psychology	60.00
Lilliston, Lawrence	Psychology	30.00
Orton, Marion	Mathematics	30.00
Orton, Lawrence	History	54.00
Pitts, Jesse	Sociology and Anthropology	30.00

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OAKLAND UNIVERSITY RESEARCH COMMITTEE  
1973-74

Assistance to faculty members for the purchase of reprints - Page #2

<u>Name</u>	<u>Department</u>	<u>Amount</u>
Reddan, John	Biology	\$ 30.00
Reddy, Venkat	Institute of Biological Sciences	60.00
Roy, Arun	Biology	30.00
Sacks, Karen	Sociology and Anthropology	17.60
Schmidt, Parbury	Chemistry	92.22
Shucard, Stephen	Classics	10.75
Singer, Phillip	Allport College	37.70
Reddy, Venkat N. and	Institute of Biological Sciences	
Unakar, Nalin N.	Biology	30.00
Winkler, Barry	Institute of Biological Sciences	<u>97.08</u>
		\$1,272.51

OAKLAND UNIVERSITY RESEARCH COMMITTEE  
1973-74

Matching awards for page charges:

<u>Name</u>	<u>Department</u>	<u>Amount</u>
Schochetman, Irwin	Mathematics	\$ 50.00
Taylor, Craig	Chemistry	50.00
Sevilla, Michael	Chemistry	<u>150.00</u>

\$250.00

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

<u>Name</u>	<u>Department</u>	<u>Amount</u>
Brown, Maurice	English	\$ 91.68
Cutts, John	English	132.42
Fitzsimmons, Thomas	English	33.00
Harmon, Kenneth	Chemistry	200.00
Howes, Robert	Area Studies	42.28
Klairs, Joseph	History	20.18
Reddan, John	Biology	10.00
Sacks, Karen	Sociology and Anthropology	31.28
Strauss, Patrick	History	91.00
Tagore, Amit	Modern Languages	<u>146.00</u>

\$797.84