

MEMORANDUM

Office of Research and Instructional Services

June 23, 1981

TO: Keith R. Kleckner  
Acting Provost

FROM: Esther Goudsmit  
Chair, University Research Committee

Lewis N. Pino  
Director, Research Services

SUBJECT: Annual Report, University Research Committee, 1980-81

Attached is a detailed listing of awards made during 1980-81 from the Faculty Research Fund and the Alumni Association Undergraduate Research Fund.

Once again this year the Office of Research Services, with the support of the Research Committee and the Provost, produced a bibliography listing faculty and staff contributions to arts, letters, and sciences. Copies were distributed to all faculty and staff and to community colleges, colleges, and universities in the state.

Research Services prepared, and the Research Committee approved, a report to the Board of Trustees entitled Scholarship at Oakland University. The Board received the report at its April 15th meeting. As an experiment in communication, the Office of Research Services prepared, with the help of Messrs. Dahlmann and Preisinger, video tapes on the research efforts of Professor Callewaert and Roy. The Callewaert tape was shown to the Board and was very well received. Both of these tapes (on file in the Audio Visual department) are available for viewing by interested campus groups.

In the fall, the University Research Committee approved for funding a Meadow Brook Research Conference proposal submitted by Professor Richard Tucker. The conference was held May 12-15, 1981, with Professor Tucker getting a good deal of assistance from Professor J.F. Richards of Duke University. The sponsors of the conference were the University Research Committee, Meadow Brook Hall, and Interim President George T. Matthews. It is the Committee's intention to continue to offer co-sponsorship of Meadow Brook research conferences.

During the year, the Committee offered, on an experimental basis, matching grants in support of research seminars held by departments and comparable units. Since the initial competition produced several fine proposals, this effort is now included in the Committee's 1981-82 call for proposals (issued this week).

This spring, the Committee met with President J.E. Champagne. President Champagne encouraged the Committee to complete, for his information and the information of the Board, a policy statement on research at Oakland University. Mr. Christina,

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who will chair the Committee for 1981-82, and Mr. Pino will prepare such a document this summer for Committee consideration in the fall.

While final figures are not in, it appears that the University Research Fund will go into the 1981-82 year with a slight deficit (approximately \$1000).

During 1980-81, the Committee consisted of the following members:

Robert Christina  
James Dow  
Isaac Eliezer  
Esther Goudsmit (Chair)  
Will Hoffman  
Chris Maloney  
Tom McCarthy  
Lewis Pino  
Keith Stanovich  
David Stevens

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#### SMALL GRANTS

Judith K. Brown (Sociology-Anthropology) "Cross-cultural codes for middle-aged women"	\$ 1,000.00
Carlo Coppola (Modern Languages) "South Asian writers: A bibliographical-critical encyclopedia"	1,000.00
Kenneth Harmon (Chemistry) "Studies of ionic organoboranes"	1,000.00
Egbert Henry (Biological Sciences) "Ethylene-induced tobacco abscission"	900.00
Stanley Hollingsworth (Music) "Premiere of opera at Spoleto"	1,600.00
An-loh Lin (Economics & Management) "Analysis of the demand for small cars"	1,000.00
Virinder K. Moudgil (Biological Sciences) "Effects of steroid hormone on brain enzymes"	650.00
Charlotte Stokes (Art History) "Freud and Ernst"	703.00
S. Bernard Thomas (History) "Labor and the Chinese Revolution"	2,000.00
Tung Weng (Engineering) "Se Ion Implanted CuInSe <sub>2</sub> Thin Films"	1,000.00
Michael D. Sevilla (Chemistry) "An Electron Spin <sup>2</sup> Resonance Investigation of Organo-Metallic Compounds"	670.00
William Bryant (Modern Languages) "The Works of Don Carlos Siguenze y Gongora"	900.00
Helen Schwartz (English) "Computer-assisted Instruction for Active Learning"	400.00
Carl F. Barnes (Art/Art History) "Translation Verification of the Villard de Honnecourt Manuscript"	800.00
Denis Callewaert (Chemistry) "Evolutionary Divergence of Certain Enzymes"	700.00
Robert Stewart (Psychology) "Sibling Relations: The Role of Perspective-taking Abilities"	800.00
Richard Tucker (History) "Transumant Grazing and Deforestation of the Western Himalayas"	1,000.00
Eileen Hitchingham (Library) "Survey of the Use of Online Database"	500.00
Ron Sudol (Learning Skills) "Studies in Presidential Communication"	800.00
Richard Zurel/Richard Stamps (Sociology-Anthropology) "Laboratory analysis costs for five samples"	750.00
Joel Russell (Chemistry) "Spectroscopic Investigation of Electrochemical Systems"	700.00
Richard Mazzara (Modern Languages) "Machado de Assis and Enrico Verissimo"	750.00
Norman Tepley (Physics) "Presentation of paper on Magnetocardiography at 8th European Congress in Cardiology"	600.00
	<u>20,223.00</u>

#### RESEARCH SEMINAR AWARDS

Miron Stano (Economics and Management) "Research opportunities through the Department of Health and Human Resources"	223.00
Arun Roy (Biological Sciences) "Cellular Aging"	250.00
Willard St. John (Chemistry) "Scientific bases for public control of environmental health hazards"	250.00
	<u>723.00</u>
	\$

#### MEADOWBROOK RESEARCH CONFERENCE

Richard Tucker (History) "Global Trade and Deforestation in the 19th Century"	\$ <u>2500.00</u>
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# FELLOWSHIPS

Charles Akers (History) "Religious experiences of representative American women"	\$ 3,600.00
Baruch Cahlon (Mathematics) "Numerical solution of differential equations"	3,400.00
James Dow (Sociology/Anthropology) "Shamanic lore of the Sierra Otomi"	3,400.00
George Gamboa (Biology) "Social integration in the paper wasp, <u>Polistes fuscatus</u> : The Role of the Queen"	3,890.00
I. Theodore Landau (Psychology) "Aromatization and organization of sexual behavior in neonatal rats"	3,000.00
Christopher Maloney (Philosophy) "Figurative thought"	3,150.00
James McKay (Mathematics) "Combinatorial matrices and cyclotomic integers"	3,000.00
Kathleen Moore (Chemistry) "Hydrolase activities in inhibited cardiac mitochondria"	4,000.00
Lawrence Orton (History) "Ukrainian national movement in Galicia, 1830-1849"	3,000.00
Jeffrey Rosenthal (Chemistry) "Fourier transform analysis"	4,000.00
C. Franklin Sayre (Art) "Medieval Japanese narrative painting"	4,000.00
Robert Schwartz (Education) "Coordination of processing decisions for comprehension of expository texts"	4,000.00
Frederic Shipley (Economics & Management) "Information dissemination and the liquidity of financial markets"	<u>3,550.00</u>
	\$ 45,990.00
 Total grants (Small Grants, Fellowships, etc.)	 \$69,436.00
Awards (Books, Reprints, Page Charges and special projects)	<u>7,302.45</u>
	\$76,738.45