

MEMORANDUM

TO: University Senate

FROM: University Research Committee:

Lizabeth Barclay, Economics & Management
John Barnard, History
Robert Brown, SHES
James Dawson, Music
John Dettman, Mathematics
George Feeman, Vice Provost & Graduate Dean
Eileen Hitchingham, Library
Nan Loh, Engineering
Lewis Pino, Research & Academic Development
Arun Roy, Biological Sciences (Chairperson)

SUBJECT: Annual Report - 1982-83

The University Research Committee had another busy year with the bulk of its time devoted to review of research proposals of various sorts submitted by members of the University faculty and by undergraduates.

A list of grants awarded during the year is appended.

In addition, the Committee tested a primary reviewer system for fellowship applications. The system seems to work and, with the addition of a written review statement made available on request to each proposer, should work very well, indeed.

We reviewed a set of Meadow Brook Research Conference proposals and, with the help of the Biomedical Research Support Grant Fund and Meadow Brook Hall, agreed to support two Meadow Brook Research Conferences next year. A proposal on the biochemistry of aging submitted by Professor Bandana Chatterjee and associates will be funded by BRSF and Meadow Brook Hall while the request submitted by Lyle Nordstrom will be funded by the Faculty Research Fund and the Hall.

During the year, the Committee established its own Research Excellence Award. A copy of the call for nominations for that award is enclosed.

Special note should be made of the continuing support of the Oakland University Alumni Association for the Undergraduate Research Grants Program. In recognition of that support and in response to requests from faculty and students, we will return next year to two closing dates per year for consideration of Undergraduate Research Proposals.

Further, the Committee will use a primary reviewer system so that undergraduates may meet with a Committee member for discussion of the research and the student's role in that research effort.

The Committee completed its work for the year by reviewing and approving, with some modification, program guidelines for 1983-84. In particular, the stipend level for faculty research fellowships will be increased from \$3,000 to \$3,600.

FELLOWSHIPS

Bhushan L. Bhatt (Engineering), "An Experimental and Theoretical Study of the Instabilities in Two-Phase Condensing Flows"	\$ 3,825
David C. Bricker (SHES), "Teaching Fairly: Practicing Collaborative Individualism in the Classroom"	3,000
Carlo Coppola (Modern Languages), "Faiz Ahmed Faiz: Freedom Writer, Freedom Fighter"	4,000
William Fish (SHES), "Parents Who Lose Children: A Study of Male/Female Differences in Parental Grief"	3,600
Kon K. Fung (Math. Sciences), "A Consistent Criterion Function for Regressor Selection and Its Modeling Profile"	3,200
Jerrold W. Grossman (Math. Sciences), "Graphs With Unique Ramsey Colorings"	3,200
Egbert Henry (Biol. Science), "An Ultrastructure & Biochemical Study of Acid Phosphatase Activity in Flower Pedicel Abscission Zone Tissue of Nicotiana tabacum cv 'Little Turkish'"	3,700
Ann Sakai (Biol. Sciences), "Genetic Turnover and Successional Status of Red Maple (Acer Rubrum)"	3,500
Miron Stano (Econ. & Mgmt.), "Estimating the Economic Effects of a National System of Individual Health Accounts"	3,500
Sharon Thomas Tunstall (Political Science), "The Federal Budgetary Process: Administrative and Congressional Priorities and the Effects on Policy Implementation"	3,500
J. Barry Turett (Math. Science), "The Radon-Riesz Property in Lebesgue-Bochner Function Spaces"	3,200
Barry Winkler (Inst. Biol. Sciences), "Effects of Glutathione Oxidation on Sodium-Potassium ATPase Activity in Retina and Pigment Epithelium"*	3,700
	<hr/> \$41,925

*Grant declined. Alternate summer support received.

RESEARCH SEMINAR PROPOSALS

Karen Beckwith & Vincent Khapoya (Political Science), "Elections, Issues and Parties" Pauline Stone, U of M; Gianfranco Pasquino, Univ. of Bologna; Alan Reuther, UAW; William LeoGrande, American Univ.; Locksley Edmundston, Southern Ill.; Ali Mazrui, U of M; Marjorie Lansing, EMU.	\$ 250
David Meyer (SHES), "Standards for Evaluation of Educational Programs, Projects and Materials", James R. Sanders, Western Mich. Univ.	125
Ann Sakai (Biol. Sciences), "Population Biology of Sand Dune Species", Stephan G. Weller, Univ. of Illinois at Chicago.	130
Jacqueline Scherer (Soc. & Anth.), "Research Seminar in Industrial Relations", Irving Bluestone, UAW; J. Skrovan, GM; Basil Whiting, Quality of Work Life Council.	200
Darrell Schmidt (Math. Sciences), "Peter D. Lax, Prof. of Math. Sciences, New York Univ."	250
Howard Splete (SHES), "Influencing Human Interaction: Research and Implications", Norman Kagan, MSU	125
Paul Tombouliau (Chemistry), "Thermodynamics of Proton and Metal-ion Binding to Organic Poly-electrolytes", J. A. Marinsky, SUNY in Buffalo.	200
Nalin Unaker (Biol. Sciences), "Hormone Induced Protein Synthesis and Binding", Dr. Winston Anderson, Howard Univ.	200
	<hr/> \$ 1,480

SMALL GRANTS

Peter Binkert (Linguistics), "Syntactic Features in Nontransformational Grammar"	\$ 500
Jean Easterly (SHES), "The Master Teacher"	400
Augustin Fosu (Econ. & Mgmt.), "Union Impacts on Fringe Benefits"	1,000
Kenneth Harmon (Chemistry), "The Bis-troponatohydrogen Cation"	1,000
Paul Kingstrom & Gerald Post (Econ. & Mgmt.), "An Interactive Video Approach to Performance Appraisal Training"	1,000
Richard Rozek (Center for Health Sciences), "Proteolytic Activity in the Lung After Exposure to Lower Concentrations of Ozone"	750
Michael Sevilla (Chemistry), "Reactive Intermediates in the Oxidation of Biological Molecules and Model Compounds"	885
Howard Splete (Counseling, SHES), "Evaluation of User's Perceptions of the Oakland University Adult Career Counseling Center"	600
Charlotte Stokes (Art & Art History), "Max Ernst's Use of Scientific Text Illustrations"	700
Tung Weng (Engineering), "Enhancement Self-Aligned Silicon-on Sapphire Field Effect Transistors"	<u>700</u>
	\$7,635

MEADOW BROOK RESEARCH CONFERENCE

Bandana Chatterjee (Chemistry), "Symposium on Aging: A Physicochemical Perspective"	\$3,000
Lyle Nordstrom (Music), "A Symposium on the Renaissance Viol and Violin"	<u>3,000</u>
	\$6,000

TOTAL GRANTS (Small Grants, Fellowships, etc.)	\$58,403.60
AWARDS (Books, Reprints, Page Charges, Special Projects)	<u>7,429.91</u>
	\$65,833.51

UNDERGRADUATE GRANTS

Merry Billiau (Political Science), "Political and Social Values Among Taiwanese Vocational High School Students"	\$ 225
Scott Braxton (Chemistry), "TPA as an Immunomodulator"	257
Terri Lynn Kendall (History), "5 Generations of Freedom: A Black Family in Central Georgia 1870-1980"	300
Linda Navarro & Susan Van Tuyl (Psychology), "Birth of a Sibling: Qualitative Effects of Family Interaction"	300
Thomas J. Primeau (Art History), "Gothic Design Methods - A Study of Design Methods at the Cathedral of Saints Gervais and Protais in Soissons, France"	<u>281.60</u>
	\$1,363.60

SPECIAL PROJECTS

Renate Gerulaitis (Modern Languages) to publish proceedings of symposium on comedy & the comic	\$ 500
Lucinda Hart-Gonzalez (Linguistics) to purchase census data computer tapes	480
Robert C. Howes (History) for subsidy for <u>Odyssey-A Journal of the Humanities</u>	600
Lyle Nordstrom (Music) to record a performance of the Musicians of Swanne Alley	250
Jacqueline Scherer & Gary Shepard (Sociology) for publication of <u>Victimization of the Weak</u>	<u>210</u>
	\$2,040