

June 12, 1979

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TO: George T. Matthews
Chairperson, Senate Steering Committee

FROM: Irwin E. Schochetman
Chairperson, University Research Committee
Lewis N. Pino
Director, Research and Instructional Services

SUBJECT: Annual Report of University Research Committee, 1978-1979

Attached is a detailed listing of the individual awards made during 1978-79 from the Faculty Research fund and Alumni Association Undergraduate Research fund.

During this year, the Office of Research Services, with the support of the Research Committee and the Provost, produced the third in a continuing series of annual bibliographies listing faculty and staff contributions to arts, letters, and sciences. We continue to see acceptance of this document both on and off campus; it appears to be particularly useful in the recruitment of prospective students (especially graduate students), faculty and staff.

Once again, the committee was called on to advise the Provost on several matters involving research. In particular, we assisted in the review of proposals for the second annual Meadow Brook Hall research conference.

Gertrude White served as chairperson of the committee for the first semester; Irwin Schochetman took over as chairman for the second semester while Ms. White went on sabbatical. Jacqueline Scherer replaced Lewis Pino on the committee during his sabbatical leave. The other members this year were Jean Braun, Denis Callewaert, Alice Gorlin, William Hammerle, G. Philip Johnson, Lawrence Orton, and Alfred Stransky.

SUMMARY

OAKLAND UNIVERSITY RESEARCH COMMITTEE

Type	Number	PROPOSALS	Grants	Amount Awarded
Small grants	40		27	\$16,126.00
Fellowships	30		15	<u>50,438.00</u>
Total amount awarded				\$66,564.00
Assistance for page charges, books, and reprints				\$ 3,101.63
Typing assistance				115.50
TOTAL				\$69,781.13

OAKLAND UNIVERSITY ALUMNI ASSOCIATION

Undergraduate research grants	9		7	\$2,424.60
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Office of Research Services
June 12, 1979

Assistance to faculty members for publication costs and the purchase of reprints,
1978-1979

Name	Department	Amount
Akers, Charles W.	History	\$ 40.00
Berger, Beverly	Physics	200.00
Bertocci, Peter	Sociology/Anthropology	6.98
Botsas, Eleftherios	Economics	40.00
Braun, Jean	Psychology	51.73
Butterworth, Frank	Biological Sciences	50.00
Coppola, Carlo	Modern Languages/Area Studies	41.30
Cameron, John	Art/Art History	17.43
Casstevens, Thomas	Political Science	40.00
Doane, David	Economics	51.47
Eberwein, Jane	English	18.23
Eberwein, Robert	English	20.00
Graham, James D.	History	15.00
Grossman, Jerrold	Mathematical Sciences	36.00
Hansen, Ronald/ Stonner, David	Psychology	50.00
Harrison, Algea	Psychology	25.65
Henry, Egbert	Biological Sciences	90.00
Hoffman, William	Mathematical Sciences	168.75
Jaymes, David	Modern Languages	39.87
Landau, I. Theodore	Psychology	50.00
Liboff, Abraham/ Chopp, Michael	Physics	474.75
McKinley, John M./ Doherty, Paul	Physics	281.25
Mittra, Sid	Economics	30.00
Moudgil, Virinder	Biological Sciences	62.00
Morse, Donald	English	80.00
Orton, Lawrence	History	50.00
Perla, Subbaiah	Mathematical Sciences	116.32
Purcell, Dean/ Stanovich, Keith	Psychology	50.00
Ring, Daniel	Kresge Library	44.30
Schmidt, Peter	Chemistry	96.53
Scherer, Jacqueline	Sociology/Anthropology	41.99
Swartz, Ronald	Education	50.00
Stanovich, Keith	Psychology	100.00
Wedekind, Gilbert W.	Engineering	<u>315.00</u>
Total		\$2,844.55
Author's copies:		
Eberwein, Jane	English	\$ 146.60
Orton, Lawrence	History	<u>110.48</u>
Total		\$ 257.08
Total assistance		\$3,101.63

SMALL GRANT AWARDS

John Beardman (Art) "Stillness in Motion"	\$ 600.00
Gottfried Brieger (Chemistry) "Studies of New Reagents for Organic Redox Chemistry"	600.00
Hettie Brown/Marilyn Lotus (Nursing) "Outcomes of Educational Regimes for Stoma Clients"	1,000.00
John Cameron/Richard Stamps (Art History/Anthropology) "Archaeological and Architectural Survey of Oakland County"	600.00
Carlo Coppola (Modern Languages/Area Studies) "The Italian-American Experience"	795.00
David Daniels (Music) "Orchestral Music, second edition"	410.00
Mary Delton (Chemistry) "New Synthetic Approaches to Reactive Heterodienes"	653.00
David Doane (Economics) "ESP software package"	425.00
Alice Gorlin (Economics) "A Study of Soviet Attempts to Improve the Quality of Consumer Goods"	306.00
Jerrold Grossman (Mathematical Sciences) "Michigan Topology Conference"	850.00
Ranald Hansen (Psychology) "Mere Exposure Hypothesis"	600.00
Kenneth Harmon (Chemistry) "Low Temperature Infrared Analysis of Nitrosyl Trihydrogen Tetrafluoride"	600.00
Egbert Henry (Biological Sciences) "CPIB-induced Peroxisomes in Rat Lens"	388.00
I. Theodore Landau (Psychology) "Sexual Behavior in Male Rats"	910.00
Richard Mazzara (Modern Languages and Literatures) "A Study of the Life, Times and Works of Erico Verissimo"	600.00
Donald Morse (English) "Study of Flann O'Brien"	105.00
Virinder Moudgil (Biological Sciences) "Inhibition of Progesterone Receptor Function by Aurintricarboxylic acid"	850.00
Lyle Nordstrom (Music) "Music at Ferrara"	450.00
James Reynhout (Biological Sciences) "Cytological Analysis of the Nature and Distribution of Newly Synthesized Proteins during Early Development of <u>Xenopus laevis</u> "	700.00
Daniel Ring (Kresge Library) "William Howard Brett, Director, Cleveland Public Library, 1884-1918"	600.00
Charles F. Sayre (Art/Art History) "The Painting and Connoisseurship of the Sumiyoshi School"	600.00
Robert M. Schwartz (Education/Reading) "Factors Affecting Comprehension of Expository Prose"	400.00
Gary Shepherd (Sociology/Anthropology) "A Content Analysis of Religious Institutionalization in the Mormon Church"	600.00
Philip Singer/Carl Vann (Political Science) " <u>Traditional Healing</u> , a film"	654.00
Richard P. Stamps (Anthropology) "Archaeological Salvage at the Graham Earthwork"	630.00
David Stevens (Communication Arts) "Elizabethan Theatre History, 1576-1642"	600.00
Tung Weng (Engineering) "A Study on CuInSe ₂ - CdS Thin Film Solar Cells"	600.00

Total small grants awarded

\$16,126.00

FELLOWSHIP AWARDS

Cordell Black (Learning Skills) "A Comparative Analysis of the Cornelian and Racinian Tragic Denouement"	\$ 3,350.00
Louis Bragg (Mathematical Sciences) "Studies in Probability Theory and Partial Differential Equations"	3,250.00
William Bryant (Modern Languages and Literatures) "A Critical Edition of Martín de León's Historia del Huérfano"	3,600.00
Michael Chopp (Physics) "Waveform Analysis of Intracranial Pressures"	3,300.00
Carlo Coppola (Modern Languages/Area Studies) "Critical Study of Ahmed Ali"	3,478.00
Mary Delton (Chemistry) "New Approaches to Annelation (Ring-Forming) Reactions"	3,595.00
Robert Goldstein (Political Science) "Political Repression and Political Development in Europe, 1789-1917"	3,000.00
Jerrold Grossman (Mathematical Sciences) "Ramsey Theory for Sets of Graphs"	3,200.00
Egbert Henry (Biological Sciences) "Polyphenol Oxidase Activity"	3,600.00
David Jaymes (Modern Languages and Literatures) "Pascal and the Philosophers"	3,250.00
Ann K. Sakai (Biological Sciences) "Geographical and Habitat Variation in Sex Expression in Silver Maple (<u>Acer saccharinum</u>)"	3,890.00
Donald Schwerin (Political Science) "Political Conditions for Successful Incomes Policy"	3,000.00
R. Craig Taylor (Chemistry) "Reduction of Nitrate by Molybdenum (III) Complexes - Models for Nitrate Reductase"	3,000.00
Richard Tucker (History) "The History of Environmental Decline in the Himalayan Watershed: Dehra Dun District, India: 1815-1947"	3,600.00
J. Barry Turett (Mathematical Sciences) "A Fixed Point Theorem for Nonexpansive Mappings"	<u>3,325.00</u>
Total amount awarded	\$50,438.00

OAKLAND UNIVERSITY ALUMNI ASSOCIATION

UNDERGRADUATE RESEARCH AWARDS

Russell Carroll (W. Wallace, Physics) "Astronomical Society of the Pacific"	\$ 292.00
Kenneth B. Gum (Barry Winkler, Institute of Biological Sciences) "Chemical Fractionation of Retinal Potentials"	200.00
James M. Hopkins (Arun Roy, Biological Sciences) "Hormonal Regulation of 2 _u Globuline Synthesis in Isolated Perfused Rat Liver"	135.50
Mary Keith (Richard Stamps, Anthropology) "Oakland County Artifact Collection Survey"	200.00
Ruhl Kelly (Claude Rowland, Political Science) "Judicial Administration (Jury Selection) Research"	200.00
Dani K. Kurzman (Claude Rowland, Political Science) "Examining the Efficacy of the Jury Voir Dire Process"	200.00
Nancy Lang (John Cameron, Art History) "Computerized Analysis of XIIC Base Profiles in the North of France"	75.00
Lee Larson/Gregg Santo (Don Falkenburg, Engineering) "Buster, a Robot"	375.00
Rudy Ochs (Denis Callewaert, Chemistry) "Effects of Glycerol Concentration on the Thermal Denaturation of Proteins"	40.00
Mary O'Connor (Egbert Henry, Biological Sciences) "Ultrastructural Localization of the Sites of Manufacture of Polyphenol Oxidase"	167.10
Paul D. Plotkowski (A. Durelli, Engineering) "The Optimization of an Eye-Bar by Photoelastic Methods"	180.00
Fred D. Reed (A. Durelli/Y. Hung, Engineering) "Determination of the Strength of Optimally Perforated Disks to Evaluate the Effect of the Inside Configuration"	180.00
Sheila Sadowski (Charlotte Stokes, Art History) "The Iconographic Concerns of Surrealist Film as Presented in <u>Dreams Money Can Buy</u> "	180.00
Total amount awarded	\$2,424.60