

**Annual Report
of
Research and Creative Productions
by
Faculty and Staff**

January to December, 1989

**Morehead State University
Annual Luncheon
April 30, 1990**

The Annual Report of Research and Creative Productions of Faculty and Staff represents a compilation of information as submitted to the Research and Patent Committee by faculty and staff members. The committee has made no effort to assess the artistic or scholarly merit of the entries.

ANNUAL REPORT OF RESEARCH AND CREATIVE PRODUCTIONS BY FACULTY AND STAFF

January to December, 1989

LAWRENCE S. ALBERT, ASSISTANT PROFESSOR OF
SPEECH

Paper Read

"Communication Instruction at the Secondary Level in Kentucky: Report of a Study by the Kentucky Association of Communication Arts Instructional Development Committee," Kentucky Association of Communication Arts Meeting, Lexington, Kentucky, September.

JOHN M. ALCORN, ASSOCIATE PROFESSOR OF
ACCOUNTING

Publications

"BBA Core Review Committee Report," Working Paper Number 8, Business Resource Center, May (six co-authors).

"The Plan to Restructure Professional Standards: Perceptions from Partners of Small CPA Firms," Business Resource Center, July (with L. K. Williams).

REBECCA L. BAILEY, INSTRUCTOR OF ENGLISH

Publications

"The Gardener's Sestina," Bitterroot, first prize winner of the annual William Kushner Award, Summer (poetry.)
Editor, Foothills ArtistFax, newsletter for the Foothills Artists, West Liberty, Kentucky.

DAVID J. BARTLETT, ASSOCIATE PROFESSOR OF ART
Art Exhibits

Kentucky Graphics 1988-89, Headley-Whitney Museum, Lexington, Kentucky, December-January.
Photowork '89, Coral Gables, Florida, January.
Ashland Area Art Gallery, Ashland, Kentucky, January.
Galex 23, Galesburg Civic Art Center, Galesburg, Illinois, March.
"Animal Imagery: New Forms, New Functions," Arrowmont Gallery, Arrowmont School of Arts and Crafts, Gatlinburg, Tennessee, May.
Ashland 120, Ashland Area Art Gallery, Ashland, Kentucky, August.

JAMES R. BEANE, ASSOCIATE PROFESSOR OF MUSIC
Performances

Chorusmaster, Verdi: Requiem, Lexington Singers and Lexington Philharmonic Orchestra, George Zack, conductor, Lexington, Kentucky, April.

Conductor, Lexington Singers Pops Concert, Singers and Instrumental Ensemble, Lexington, Kentucky, May.

Conductor, Haydn: Mass in G Major and other seasonal music for chorus and orchestra, Lexington Singers and Orchestra, Lexington, Kentucky, December.

Chorusmaster, A Kentucky Christmas Chorus, Lexington Singers and Lexington Philharmonic Orchestra, George Zack, conductor, WKYT-TV, Lexington, Kentucky, December.

Baritone Soloist, Handel: Messiah, Lexington Philharmonic Orchestra, George Zack, conductor, Lexington, Kentucky, December.

RAY D. BERNARDI, PROFESSOR OF BUSINESS
EDUCATION

Paper Read

"Teaching in Other Countries: An Overview of the Opportunities for Teachers from the United States of America," American Vocational Association Convention, Orlando, Florida, December.

MICHELLE BOISSEAU, ASSOCIATE PROFESSOR OF
ENGLISH

Publications

East of the Sun and West of the Moon, Stanley Hanks Poetry Chapbook, St. Louis, Missouri Poetry Center, October.

"Persephone," River Styx, No. 28, Spring.

"Charity Peaches," Pikeville Review, Spring.

"In the Mazy Gardens of the Ruined Hotel," Pikeville Review, Spring.

"Watts Bar, Tennessee, 1962," Pikeville Review, Spring.

Papers Read (Original Compositions)

Poetry Reading, Twentieth Century Literature Conference, University of Louisville, February.

Poetry Reading, Women Writers Conference, University of Kentucky, March.

Poetry Reading, Bread Loaf Writers Conference, Middlebury, Vermont, August.

Poetry Reading, Hazard Community College, Hazard, Kentucky, September.

Poetry Reading, St. Louis Poetry Center, St. Louis, Missouri, October.

Poetry Reading, Northern Kentucky University, Highland Heights, Kentucky, November.

Grant

National Endowment for the Arts Poetry Fellowship, Washington, DC.

JIM BOWMAN, PROFESSOR OF EDUCATION AND ACTING DEPARTMENT CHAIR OF EDUCATIONAL SERVICES

Publication

"Futures Studies and Teacher Education: A Theoretical and Structural Assessment of the Program at the University of Houston at Clear Lake, Texas," Building Bridges for Educational Reform: New Approaches to Teacher Education (with Fred D. Kierstead).

Papers Read

"Beyond Good and Yellow: Some Critical Thoughts on Critical Thinking," Southwestern Philosophy of Education Society, University of New Mexico, Albuquerque, New Mexico, November.

"Pestalozzi, Elkind and Early Childhood Education at Morehead State University," Presentation for joint meeting of Morehead State University Phi Delta Kappa, East Kentucky Association for the Education of Young Children and Morehead Association on Children Under Six, Morehead, Kentucky, October.

"Designing and Implementing a Knowledge-Base," Workshop for Faculty, Winston-Salem State University, Winston-Salem, North Carolina, June.

ROLAND BUCK, ASSOCIATE PROFESSOR OF ECONOMICS

Publication

"Liquidity-Preference and Loanable-Funds in Patinkin's Full Employment Model-A Critique," The Journal of Economics.

Paper Read

"Liquidity-Preference and Loanable-Funds in Two Asset Neo-Keynesian Models-A Non-Market-Clearing Approach," Twenty-Eighth International Atlantic Economic Conference, Montreal, Canada, October.

ROBERT A. BYLUND, PROFESSOR OF SOCIOLOGY

Publication

"Social Density and Public Ritual in Non-Industrial Communities: A Cross-Cultural Analysis," The Sociological Quarterly, 30:225-244.

Paper Read

"Myths and Realities of Aging in America," Kentucky Home Economics Association annual meeting, Ashland, Kentucky, March.

HAROLD W. CAIN, ASSISTANT PROFESSOR OF CHEMISTRY

Paper Read

"An Inexpensive Differential Thermometer for Measuring the Joule-Thomson Coefficient," Kentucky Academy of Science, Lexington, Kentucky, November.

JANET H. CALDWELL, ASSISTANT PROFESSOR OF JOURNALISM

Performances

Readers Theatre, "They Call Me Angel,"

Adapted and directed the Readers Theatre, "Coming Attractions," October.

VICENTE CANO, ASSOCIATE PROFESSOR OF ROMANCE LANGUAGES

Papers Read

"Spain, a Multilingual Country," Eastern Kentucky Language Collaborative Fall Meeting, Eastern Kentucky University, Richmond, Kentucky, October.

"La Moda (1837-38) y El Iniciador (1838-39); Presencia de Larra en dos periodicos rioplatenses," 39th Annual Mountain Interstate Foreign Language Conference, Clemson University, Clemson, South Carolina, September.

"Writing for a Purpose in the Foreign Language Classroom," Eastern Kentucky Language Collaborative Spring Meeting, Morehead State University, Morehead, Kentucky, May.

ELIZABETH W. COOLEY, ASSISTANT PROFESSOR OF ENGLISH

Publications

"Trading Up," Limestone, Fall.

Review of A Visitation of Spirits by Randall Kenan, Spectator Magazine.

Review of Call and Response by T. R. Pearson, Spectator Magazine.

Review of Wind by Leigh Allison Wilson, Spectator Magazine.

Papers Read

"'Granite and Rainbow,' Expressing the 'Reality Characters' in Jacob's Room," Sixteenth Annual Kentucky Philological Association Conference, Chosen "Best of Section," March.

"'No Echo Comes Back,' Virginia Woolf's Last Essays and the Need for an Audience," Sixteenth Annual Twentieth-Century Literature Conference, February.

RICHARD W. DANIEL, PROFESSOR OF EDUCATION

Paper Read

"Strategic Planning as Faculty Development," Southern Regional Faculty and Instructional Development Consortium, Murray, Kentucky, February (with L. Jones and D. Whordley).

G. RONALD DOBLER, PROFESSOR OF ENGLISH

Publication

Contributing Editor, Annual Bibliography of English Language and Literature for 1986, Leeds: W. S. Maney & Son Limited for the Modern Humanities Research Association.

GEORGE E. EKLUND, ASSISTANT PROFESSOR OF ENGLISH

Publications

Poetry, Various titles, Negative Capability.

Poetry, Various titles, Bitterroot.

Papers Read (Original Composition)

Poetry Reading, Morehead State University Fine Arts Showcase.

DANIEL FASKO, JR., ASSISTANT PROFESSOR OF EDUCATION

Publication

"Student Membership in Division 15, It's the Future," Newsletter for Educational Psychologists, June.

Paper Read

"A Study of Pulse and Respiration Rates When an Auditory Stimulus is Synchronized with Respiratory Exhalation," Society for Clinical and Experimental Hypnosis, St. Louis, Missouri, November.

WALLACE FLINT, ASSISTANT PROFESSOR OF EDUCATION

Papers Read

"Involvement of College Students in Dropout Prevention," Southern Rural Education Association, Nashville, Tennessee, April.

"Partnerships Impacting the Quality of Education in Kentucky at Morehead State University," Interim Joint Committee on Education, Frankfort, Kentucky, March.

TERESA R. FORSYTH, ASSISTANT PROFESSOR OF BIOLOGY

Paper Read

"Quantitative Electrophoretic/densitometric Analysis of Esterase-5 gene Expression in the Sex-Ratio X Chromosome of Drosophila pseudoobscura," Thirtieth Annual Drosophila Research Conference, New Orleans, Louisiana, April.

ROBERT J. FRANZINI, ASSOCIATE PROFESSOR OF ART

Art Exhibits

Recent Acquisitions of Prints, Drawings and Photographs, Cincinnati Art Museum, Cincinnati, Ohio.

National Exhibition 1989 - Part II, Berkeley Art Center Association, Berkeley, California, Jurors Merit Award.

7th Annual Realism Today, Evansville Museum of Arts and Science, Evansville, Indiana.

American Print Survey - National Print Consortium, Furlong Gallery, University of Wisconsin-Stout, Menomonie, Wisconsin.

Directors Choice Print Exhibition - National Print Consortium, Chowan College, Murfreesboro, North Carolina.

Nude Exhibit '89 Multi-State Competitive, Lexington Art League, Loudoun House, Lexington, Kentucky.

The Color is Red Exhibition, Headley-Whitney Museum, Lexington, Kentucky.

Cardinal Valley Regional Competitive, Ashland Area Art Gallery, Ashland, Kentucky.

One Person Exhibition - Live Ink Gallery, Augusta, Kentucky.

Performances

Monotype Demonstration: The Huntington Museum, Huntington, West Virginia.

Intaglio Demonstration: The Paintsville Art League/April Artists Weekend, Jenny Wiley State Resort Park, Kentucky.

KENT E. FREELAND, PROFESSOR OF EDUCATION

Publications

"Graphs for Early Elementary Social Studies," Ohio Council for the Social Studies Review, Spring (with S. Brewer).

"Conducting a State Accreditation Self-Study," Educational Review, Spring (with L. Griesinger and B. Niemeyer).

"Using Tabular Charts in Social Studies," Arkansas Social Studies Teacher, Spring (with P. Moore).

"Kentucky Council," Social Education, January (with C. Holt).

JACEK GANOWICZ, ASSISTANT PROFESSOR OF SOCIOLOGY

Publication

"History and Structure. A Different View of the Social Determination of Knowledge," pp. 152-168, E. Mokrzycki, H. Kozakiewicz, M. Siemek (eds.), Science-Rationality-Society, PWN Publishers, Warsaw.

Papers Read

"Durkheim's Sociological Phenomenology," Department Research Symposium Morehead State University, Morehead, Kentucky, Fall.

"Max Weber's 'Protestant Ethic' Is It Two or Three Hypotheses?" American Sociological Association, San Francisco, California.

SHIRLEY H. GISH, ASSOCIATE PROFESSOR OF SPEECH

Art Exhibit

12 pieces of wood sculpture, currently on exhibition at the HAND ARTES GALLERY, Truchas, New Mexico.

Performance(s)/Composition(s)

THEY CALL ME ANGEL: Stories of Nellie Cashman of Tombstone. Written by Shirley Gish. (a play based on original research)

THEY CALL ME ANGEL: Performed by Jan Caldwell as Nellie and Shirley Gish as Narrator, Performance to raise funds for the Julia Doyle Webb Scholarship, October.

A Christmas Memory (by Truman Capote) for the President's Christmas Dinner, December.

A Christmas Memory (by Truman Capote) for local senior citizens luncheon, December.

Grant

Creative Writing Grant - Helene Wurlitzer Foundation, Summer.

MARC D. GLASSER, PROFESSOR OF ENGLISH

Publication

Contributing Editor, Annual Bibliography of English Language and Literature for 1986, Leeds: W. S. Maney & Son Limited for the Modern Humanities Research Association.

JAMES E. GOTSICK, PROFESSOR OF PSYCHOLOGY

Publication

"Conditioned and Experimental Factors Affecting the Development of Sensitization to Apomorphine," Behavioral Neuroscience, pp. 103, 1311-1317 (with B. Mattingly).

WILLIAM C. GREEN, ASSOCIATE PROFESSOR OF GOVERNMENT

Publication

"The FDA and the Regulation of Contraceptive Drugs: Depo-Provera, Risk Management, and Reproductive Health," Robert Blank and Miriam Mills, (eds.), Biomedical Technology and Public Policy, Westport: Greenwood Press.

Papers Read

"Dr. Death and Defendants' Rights: Psychiatric Testimony on Future Dangerousness and the Meaning of the Texas Death Penalty Statute," 1989 American Political Science Association Annual Meeting.

"Depo-Provera, Contraceptive Regulation, and Reproductive Health," 1989 American Political Science Association Annual Meeting.

ROBERT W. GRUENINGER, PROFESSOR OF HEALTH, PHYSICAL EDUCATION AND RECREATION AND DEPARTMENT CHAIR OF HEALTH, PHYSICAL EDUCATION AND RECREATION

Publication

"Exercise Physiology: Part I -- A Very Short Course," The Professional Edge, Bi-monthly Supplement to American Fitness, 2:3, June, pp 1-3.

Paper Read

"Credit and Course Equity in College and University Physical Educational Curricula," Western Physical Education Society meeting, Reno, Nevada (with Glenn Potter).

KAREN O. HAMMONS, ASSISTANT PROFESSOR OF EDUCATION AND DIRECTOR OF MOREHEAD STATE UNIVERSITY CHILD DEVELOPMENT LAB

Paper Read

"Changing Teaching Practices from Traditional to Developmentally Appropriate Among Teachers of Pre-K, Kindergarten, and Primary Children," National Association for the Education of Young Children, Annual Conference, Atlanta, Georgia, November (with Jeanne Heberle, and Annriette Stolte).

MICHAEL N. HARFORD, ASSOCIATE PROFESSOR OF MANAGEMENT AND INTERIM DEPARTMENT CHAIR OF MANAGEMENT AND MARKETING

Paper Read

"Wellman Corporation," Midwest Society of Casewriters Workshop, Morehead State University, Morehead, Kentucky, July.

FRANCES L. HELPHINSTINE, PROFESSOR OF ENGLISH

Paper Read

"How Censors Would Limit Our Literacy and What Teachers Should Know in Order to Combat Them," Session K14 at National Council of Teachers of English, Charleston, South Carolina, April.

KATHARINE D. HERZOG, ASSOCIATE PROFESSOR OF EDUCATION

Paper Read

"Institutional Perspectives on Accreditation of Teacher Education Units," Kentucky Association of Colleges for Teacher Education, Louisville, Kentucky, April (with D. Thomas and J. Wilson).

LLOYD R. JAISINGH, ASSOCIATE PROFESSOR OF MATHEMATICS

Publication

"R-Reliable Intervals and Confidences for the Lifetime of a Parallel System," Microelectronics and Reliability, Vol. 29, No. 2, pp. 237-253.

Papers Read

"Estimation of Parameters and Reliability Using a Multivariate Survival Distribution Generated by a Weibull-Inverse Gaussian Mixture," National Science Foundation Advisory Panel for the Kentucky EPSCoR Program, Lexington, Kentucky, October.

"Estimation of Parameters and Reliability Using a Multivariate Survival Distribution Generated by a Weibull-Inverse Gaussian Mixture," Kentucky Academy of Sciences, November.

Grant

"Estimation of Parameters and Reliability for a Series System," Experimental Programs Stimulating Competitive Research (EPSCoR), \$9,350, University of Kentucky and the National Science Foundation, Lexington, Kentucky and Washington, DC.

LARRY W. JONES, PROFESSOR OF EDUCATION AND DEAN OF PROFESSIONAL STUDIES

Papers Read

"Strategic Planning and Deferred Investment in Human Resources Revisited," Proceedings of the Second National Conference on Professional and Personal Renewal for Faculty, Atlanta, Georgia.

"Strategic Planning in a State Department of Education," Kentucky Department of Education, Frankfort, Kentucky.

"Strategic Planning as Faculty Development: Deferred Investment in Human Resources Revisited," Second National Conference on Professional and Personal Renewal for Faculty.

DENNIS KARWATKA, ASSOCIATE PROFESSOR OF INDUSTRIAL EDUCATION

Publications

Monthly column named *Technology's Past* in School Shop/Tech Directions.

January: "Rages to Riches - Michael Pupin"
February: "The First Skyscraper"
March: "The Pioneer Zephyr"
April: "The Steel Plow"
May: "The Selden Patent"
August: "The Stanley Steamer"
September: "The Transatlantic Telegraph Cable"
October: "Finding Beauty in Industry"
November: "The World's Columbian Exposition"
December: "Fuller and the Geodesic Dome"

"Modern Automotive Fuels - Your Students Should Know about Alcohol/Gasoline Mixes," School Shop/Tech Directions, January.

JO-ANNE KEENAN, INSTRUCTOR OF MUSIC

Performances

Clinician Piano Accompanist, Music Reading Session, KMEA State Conference, Lexington, February.

Performing Member, Stephen Foster Story Singers, Owensboro, Kentucky, February.

Performing Member, Stephen Foster Story, Bardstown, Kentucky, Summer.

Contralto Soloist, Mozart - REQUIEM, Morehead State University Concert Choir, Morehead, April.

Performing Member, Stephen Foster Story Singers, "THE OAKS RACE," Louisville Downs, Louisville, May.

Performing Member, Stephen Foster Story Singers, "LOUISVILLE DERBY," Louisville Downs, Louisville, May.

Performing Member, Stephen Foster Story, Bardstown, Kentucky.

Performing Member, Stephen Foster Story Promotional Group, Louisville, Kentucky, June, August.

Contralto Soloist, LARRY KEENAN ELECTONE CONCERT, Beckley High School, Beckley, West Virginia, September.

Contralto Soloist, Britten-REJOICE IN THE LAMB, University Choral Festival, Morehead State University, Morehead, Kentucky, October.

Contralto Soloist, Haydn-LORD NELSON MASS, University Choral Festival, Morehead State University, Morehead, Kentucky, October.

Contralto Soloist, Morehead State University Christmas Party, Morehead, Kentucky, December.

LARRY W. KEENAN, PROFESSOR OF MUSIC

Performances

Organist and Associate Music Director, Stephen Foster Story, Bardstown, Kentucky, Summer.

Electone Accompanist, Faure - Requiem, Rowan County High School Chorus, Morehead, Kentucky, March.

Electone Recital, In Concert, Founders Day Dinner, Morehead, Kentucky, March.

Electone Accompanist, Mozart-Requiem, Morehead State University Concert Choir, Morehead, Kentucky, April.

Piano Soloist, Grieg-Piano Concerto in A minor, Morehead State University Symphony Band, Morehead, Kentucky, April.

Piano Accompanist, Faith Esham Recital, Morehead, Kentucky, April.

Piano Accompanist, Diane Bargiel Recital, Morehead, Kentucky, April.

Electone Accompanist, Mendlesohn-Hear My Prayer, University Chorus, Morehead, Kentucky.

Electone Soloist/Accompanist, Honors Day Convocation, Morehead, Kentucky, April.

Electone Recital, In Concert, Beckley High School, Beckley, West Virginia, September.

Piano Musicale, Hospice Benefit Concert, Beckley, West Virginia, September.

Electone Accompanist, Bach-Christmas Cantata, University Chorus, Morehead, Kentucky, November.

Electone Soloist/Accompanist/Arranger, Morehead State University Christmas Party, Morehead, Kentucky, December.

KARL R. KUNKEL, ASSISTANT PROFESSOR OF SOCIOLOGY

Paper Read

"The Unexamined Policy Implications of Sutherland's Original White Collar Crime Data," Annual Meetings of the American Society of Criminology, Reno, Nevada.

ROBERT T. LIERMAN, INSTRUCTOR OF GEOSCIENCE

Publications

"A Conodont Color Alteration Anomaly in Central Indiana - Possibility of Mississippi Valley - Type Hydrothermal Activity," Schindler, K. S. (ed.), USGS Research on Mineral Resources-1989, Program Abstracts: U.S. Geological Survey Circular 1035, pp. 28-29 (with A. G. Harris, C. B. Rexroad, and R. A. Askin).

"Evaluation of a CAI Anomaly, Putnam County, Central Indiana, U.S.A.: Possibility of a Mississippi Valley-Type Hydrothermal System: Vth European Conodont Symposium," Courier Forschungsinstitut Senckenberg (with A. G. Harris, C. B. Rexroad, and R. A. Askin).

GEORGE M. LUCKEY, PROFESSOR OF PHILOSOPHY

Papers Read

"Critical Thinking for Retention," Noel/Levitz: National Conference on Student Retention, Chicago, Illinois, July.

"The Context of Critical Thinking," the Ninth Annual/Seventh International Conference on Critical Thinking and Educational Reform, Rohnert Park, California, August.

"Critical Thinking: Values, Attitudes, and Skills," National Association for Campus Activities, Great Lakes Region, Cleveland, Ohio, October.

SUE YOUNG LUCKEY, PROFESSOR OF BUSINESS EDUCATION AND DEPARTMENT CHAIR OF INFORMATION SCIENCES

Book Review

Business Communications, Houghton Mifflin Company, College Division, Nashville, Tennessee.

Paper Read

"Stress Management for Business Teachers," Kentucky Business Education State Teachers Meeting, State Department of Education, Owensboro, Kentucky.

TED A. MARSHALL, ASSOCIATE PROFESSOR OF SOCIAL WORK

Papers Read

"Systems Approach to Stress and Coping of Families in Transcultural Adjustments," National Association of Social Workers Clinical Conference, San Francisco, California, October.

"Continuity and Change: An Analysis of Social Work Student Values Over Time," Council on Social Work Education Annual Program Meeting, Chicago, Illinois, March (with P. Whitson and R. Bylund).

CHARLES E. MASON, ASSISTANT PROFESSOR OF GEOSCIENCE

Publications

"Biostratigraphic and Paleoenvironmental Inferences From a New Ammonoid Occurrence, Slade Formation (Mississippian) Eastern Kentucky," Transactions of the Kentucky Academy of Science, March (with Etensohn).

"Beach Deposits in the Devil's Hollow Member of the Lexington Limestone (Middle and Upper Ordovician) of Central Kentucky," Transactions of the Kentucky Academy of Science, March (with Hendricks, Etensohn, Stoffer, and Koontz).

Papers Read

"The First Report of the Lower Carboniferous Ammonoid Genus Eurites Found in the Continental United States from Madison County, Kentucky," Annual Meeting of the Kentucky Academy of Science, Lexington, Kentucky, November (with Cordray and Simmons).

"The Use of Ammonoids in Kentucky for Geological Investigations," University of Kentucky, Department of Geological Sciences Seminar Series, Lexington, Kentucky, March.

BRUCE A. MATTINGLY, PROFESSOR OF PSYCHOLOGY

Publications

"Effects of Repeated Apomorphine and Haloperidol Treatments on Subsequent Behavioral Sensitivity to Apomorphine," Pharmacology Biochemistry & Behavior, Vol. 34 (with Rowlett).

"Conditioning and Experiential Factors Affecting the Development of Sensitization to Apomorphine," Behavioral Neuroscience, Vol. 103 (with Gotsick).

"Behavioral Sensitization to Apomorphine Develops Through Both Associative and Nonassociative Processes," Society for Neuroscience Abstracts, Vol. 15 (with Gotsick).

"Effects of 6-Hydroxydopamine Lesions of the Mesocortical/Mesolimbic Pathways on Novelty-Seeking Behavior of Rats," Society for Neuroscience Abstracts, Vol. 15 (with Pierce, Nonneman, & Bardo).

Papers Read

"Neurobiological Effects of Chronic Dopaminergic Receptor Stimulation," Kentucky Academy of Science Annual Meeting, Lexington, Kentucky, November (with Bardo).

"Effect of Apomorphine on Novelty-Seeking Behavior in Rats," Kentucky Academy of Science Annual Meeting, Lexington, Kentucky, November (with Lacy, Bardo).

"Chronic Treatment with Apomorphine Alters Locomotor Behavior and Dopamine Neurotransmission," Kentucky Academy of Science Annual Meeting, Lexington, Kentucky, November (with Rowlett, Bardo).

"Behavioral Sensitization to Apomorphine Develops through Both Associative and Nonassociative Processes," Society for Neuroscience Annual Meeting, Phoenix, Arizona, October (with Gotsick).

"Effects of 6-Hydroxydopamine Lesions of the Mesocortical/Mesolimbic Pathways on Novelty-

Seeking Behavior in Rats," Society for Neuroscience Annual Meeting, Phoenix, Arizona, October (with Pierce, Nonneman, Bardo).

HARRY C. MAYHEW, ASSOCIATE PROFESSOR OF EDUCATION

Publication

"Teaching a Story in the Classroom," Wisconsin State Reading Association Journal, vol. 32, No. 2 (with D. Price and S. Blair).

ROBERT E. MEADOWS, PROFESSOR OF MANAGEMENT

Publications

"Four Days in the Final Inspection Department," 1988 Annual Advances in Business Cases, Susan Willey (ed.), La Crosse, Wisconsin.

"Patton Septic Tank," Strategic Management and Business Policy, Wheelen and Hunger, Addison-Wesley, Reading, Maryland (with L. K. Williams).

Paper Read

"Attending a Case Writing Workshop," Midwest Business Administration Association, Chicago, Illinois.

ROSE ORLICH, PROFESSOR OF ENGLISH

Publication

"A Violet View," Great Poems of the Western World. Sacramento: World of Poetry Press. (Golden Poet Award)

FRANCIS H. OSBORNE, PROFESSOR OF PSYCHOLOGY

Papers Read

"Evaluation of a Group Administered Paper and Pencil Test of Piagetian Development in a College Population," Kentucky Academy of Science Annual Meeting, Lexington, November (with A. Hounshell).

"The Relationship of Piagetian Development and Achievement in an Introductory Psychology Course," Kentucky Academy of Science Annual Meeting, Lexington, November (with K. Lewis).

"PSYCH TUTOR: A Practical Resource for the PSI Course," Twelfth Annual National Institute on the Teaching of Psychology, St. Petersburg Beach, Florida, January.

TED PASS, PROFESSOR OF BIOLOGY

Publications

"Hemodialysis Center Water Dialysate: Are Current Assays Adequate?" Artificial Organs, 13:155-159 (with Harding, Million, Wright, Dejarnette and Klein).

"Microbial Contamination and Endotoxin Content of Hemodialysis Water and Dialysate Effluent," 89th Annual Meeting of the American Society for Microbiology, Abstract, May (with Wright, Harding, Klein and Million).

"Dialysate Contamination and Backfiltration May Limit the Use of High-Flux Dialysis Membranes," American Society of Internal Organs 35th Annual Meeting,

Abstract, June (with Klein, Harding, Wright and Million).

"Dialysate Contamination and Backfiltration May Limit the Use of High-Flux Dialysis Membranes," Transaction of American Society of Artificial Internal Organs, Vol. XXXV, pg. 519-522 (with Bruremeister, Traverro, Veinken, Harding, Million, Klein, and Wright).

Papers Read

"Microbial Contamination and Endotoxin Content of Hemodialysis Water and Dialysate Effluent," the 89th Annual Meeting of the American Society for Microbiology, New Orleans, Louisiana, May (with Wright, Harding, Klein and Million).

"Dialysate Contamination and Backfiltration May Limit the Use of High-Flux Dialysis Membranes," American Society of Internal Organs 35th Annual Meeting, Dallas, Texas, June (with Klein, Harding, Wright and Million).

"Dialysate Contamination and Backfiltration May Limit the Use of High-Flux Dialysis Membranes," Transaction of American Society of Artificial Internal Organs, Rostock, Germany, March (with Bruremeister, Traverro, Veinken, Harding, Million, Klein and Wright).

GEORGE E. PAWLAS, ASSOCIATE PROFESSOR OF EDUCATION

Publications

"The Principal and Communication," Phi Delta Kappa, September (with Meyers).

"The Principal and Discipline," Phi Delta Kappa, September (with Meyers).

"Simple Steps to Successful Parent-Teacher Conferences," Instructor, September (with Meyers).

Papers Read

"The Supply and Demand for South Carolina Elementary Principals," Southern Regional Council on Educational Administration Annual Meeting, Columbia, South Carolina, November.

"Effective Public Relations for Elementary Principals," New Principals Academy, South Carolina State Department of Education, Conway, South Carolina, July.

BETTY J. PETERS, ASSISTANT PROFESSOR OF ENGLISH

Publication

Contributing Editor, Annual Bibliography of English Language and Literature for 1986, Leeds: W. S. Maney & Son Limited for the Modern Humanities Research Association.

Art Exhibit

First place winner for "Design" in the 1989 Appalachian Christmas Arts and Craft Show.

MARY ANNE POLLOCK, ASSISTANT PROFESSOR OF EDUCATION

Paper Read

"Relationships Between Non-Standard Dialects, Oral Reading Miscues, and Comprehension: Results of

School-Based Studies in Eastern Kentucky," The South Atlantic Modern Language Association, Atlanta, Georgia, November (with D. Whordley).

BETTY M. PORTER, PROFESSOR OF NURSING AND DEPARTMENT CHAIR OF NURSING AND ALLIED HEALTH SCIENCES

Publication

The Governor's Interdisciplinary Task Force on Nursing Final Report, Kentucky Cabinet for Human Resources, April (with B. Howell, M. Romelfanger and S. Weisenbeck).

Papers Read

"Overview of the Governor's Interdisciplinary Task Force on Nursing Final Report," Kentucky Board of Nursing Annual Conference, Louisville, Kentucky, April.

"Roots and Wings: The Past, Present, and Future of Nursing in Kentucky," Kentucky Nurses Association Annual Convention, Fort Mitchell, Kentucky, October.

ROBERT D. PRICHARD II, ASSOCIATE PROFESSOR OF MUSIC

Performance (Original Composition)

Winner of the 1989 Newly Published Music Competition for professional flutists; performed works for two flutes by J. S. Bach and Francois Morel, National Flute Association's Annual Convention, New Orleans, Louisiana, August.

BARBARA QUIGLEY, ASSISTANT PROFESSOR OF PSYCHOLOGY

Publications

"Does Asking Make a Difference? Effects of Initiator, Risk and Possible Gain on Attributed Altruism," Journal of Social Psychology, 129(2), 259-267 (with G. G. Gaes and J. T. Tedeschi).

"Unilateral Nostril Breathing Affects Lateralized Cognitive Functions," Brain and Cognition, 9, 181-190 (with R. A. Block).

"Does Self-Defense Apply to Women? Effects of Sex and Mode of Retaliation on Attributed Aggression," Journal of Social Behavior and Personality, 4(1), 109-118 (with J. T. Tedeschi).

Papers Read

"Sex Role Survey of the Active Duty Military: A Content Analysis," Defense Equal Opportunity Management Institute, Patrick Air Force Base, Cocoa Beach, Florida, August.

"Differential Attention and Vividness Effects," Western Psychological-Rocky Mountain Psychological Association, Joint Annual Convention, Reno, Nevada, April.

Grant

Content Analysis of Sex-Role Survey of Active-Duty Military (Defense Equal Opportunity Management Institute Summer Project), \$10,000, American Society In Engineering Education.

BRIAN C. REEDER, ASSISTANT PROFESSOR OF BIOLOGY

Publications

"Quaternary History of Old Woman Creed," pp. 97-110, In: Mitsch, W. J. (ed.), Wetlands of Ohio's Coastal Lake Erie: A Hierarchy of Systems, Ohio Sea Grant, The Ohio State University, Columbus, Ohio (with W. J. Mitsch).

"Seasonal Patterns of Planktonic and Macrophyte Productivity of a Freshwater Coastal Wetland," pp. 49-68, In: Mitsch, W. J. (ed.), Wetlands of Ohio's Coastal Lake Erie: A Hierarchy of Systems, Ohio Sea Grant, The Ohio State University, Columbus, Ohio (with W. J. Mitsch).

"Bioavailable Phosphorus and a Phosphorus Budget of a Freshwater Coastal Wetland," pp. 81-96, In: Mitsch, W. J. (ed.), Wetlands of Ohio's Coastal Lake Erie: A Hierarchy of Systems, Ohio Sea Grant, The Ohio State University, Columbus, Ohio (with W. J. Mitsch).

"Diurnal Patterns of Dissolved Oxygen in a Freshwater Coastal Wetland," pp. 19-48, In: Mitsch, W. J. (ed.), Wetlands of Ohio's Coastal Lake Erie: A Hierarchy of Systems, Ohio Sea Grant, The Ohio State University, Columbus, Ohio (with W. J. Mitsch).

"Ecosystem Modelling of a Lake Erie Coastal Wetland," pp. 161-174, In: Mitsch, W. J. (ed.), In: Mitsch, W. J. (ed.), Wetlands of Ohio's Coastal Lake Erie: A Hierarchy of Systems, Ohio Sea Grant, The Ohio State University, Columbus, Ohio (with W. J. Mitsch).

"The Role of Wetlands in the Control of Nutrients with a Case Study of Western Lake Erie," pp. 129-157, In: Mitsch, W. J. (ed.) Ecological Engineering: An Introduction to Ecotechnology, J. Wiley, New York, New York (with W. J. Mitsch and S. E. Jorgensen).

"Hydrology of a Freshwater Coastal Wetland During Severe Drought Conditions," pp. 69-80, In: Mitsch, W. J. (ed.), Wetlands of Ohio's Coastal Lake Erie: A Hierarchy of Systems Ohio Sea Grant, The Ohio State University, Columbus, Ohio (with W. J. Mitsch and C. Carlson).

EDWARD B. REEVES, ASSOCIATE PROFESSOR OF SOCIOLOGY

Publications

Human Systems Ecology, Westview Press (with Smith).

"Social Density and Public Ritual in Non-Industrial Communities: A Cross-Cultural Analysis," The Sociological Quarterly, June (with Bylund).

"Social Science in INTSORMIL's Attack on Hunger in Sudan," in The Social Sciences in International Agricultural Research, ed. by C. McCorkle, Lynne Rienner Publishers (with Coughenour).

Papers Read

"Anthropology and the Analysis of Food Markets in Africa: Village Level Conditions and Market Efficiency," Keynote Symposium on Anthropology and Food Policy in Africa and Latin America, Southern Anthropological Society Annual Meeting, Memphis, Tennessee, April.

"Issues of Transferring Nearly-Developed Technology to Farmers' Fields and Some Possible Solutions," ARC/INTSORMIL Sorghum and Millet Workshop, Sudan Agricultural Research Corporation Headquarters, Wad Medani, Sudan, October (with Coughenour and Hannum).

GLENN C. ROGERS, PROFESSOR OF ENGLISH

Paper Read

"Critical Thinking Skills for Basic Writing and Beyond," National Conference on the Freshman Year Experience, Columbia, South Carolina, February (with J. Rogers).

JUDY R. ROGERS, PROFESSOR OF ENGLISH AND DEAN OF UNDERGRADUATE PROGRAMS

Paper Read

"Critical Thinking Skills for Basic Writing and Beyond," National Conference on the Freshman Year Experience, Columbia, South Carolina, February (with G. Rogers).

DAVID RUDY, PROFESSOR OF SOCIOLOGY AND DEPARTMENT CHAIR OF SOCIOLOGY, SOCIAL WORK, AND CORRECTIONS

Publication

"Is Alcoholics Anonymous a Religion? Beyond Functional and Substantive Definitions of Religions," Sociological Analysis, 50:41-51 (with Arthur Greil).

Book Reviews

Ethics and Values in Applied Social Research by Allan J. Kimmel, Teaching Sociology, 17:501-502.

A Fallen Angel by Florence V. Ridlon, Contemporary Sociology, 18:593-594.

Heavy Drinking: The Myth of Alcoholism as a Disease by Herbert Fingarette, Contemporary Sociology, 18:429-430.

Grant

The Adult Children of Alcoholics Movement, \$12,000, Alcohol Beverage Medical Research Foundation, Johns Hopkins University, Baltimore, Maryland.

JOE SARTOR, ASSOCIATE PROFESSOR OF ART

Art Exhibits

Morehead State University Faculty Exhibition, Ashland Area Art Gallery, Ashland, Kentucky, January.

Group Invitational Exhibition, William Woods College, Fulton, Missouri, January.

One-Person Exhibit, Live Ink Gallery, Augusta, Kentucky, April.

Lexington Art League Group Exhibit, AWARD, Loudon House, Lexington, Kentucky, April.

Lexington Art League Awards Exhibition, Arts Place, Lexington, Kentucky, June.

Ashland 120, Ashland Area Art Gallery, Ashland, Kentucky, August.

Graduate Alumni Exhibition, George Caleb Bingham Fine Arts Gallery, Missouri University, September.

One-Person Exhibit, Prestonsburg Community College, Prestonsburg, Kentucky, September.

Three-Person Exhibit, Loudon House Gallery, Lexington, Kentucky, October.

Kentucky Artist Exhibit, Casa de la Cultura, Quito, Ecuador, December.

EDNA O. SCHACK, ASSISTANT PROFESSOR OF EDUCATION

Publications

"Databases: Investigating NASA Spacelink," Media and Methods, 26(2), November/December (with M. Schack).

"Databases: Audio-Visual Materials Online," Media and Methods, 26(1), September/October (with M. Schack).

"Public Domain Software Resources for Elementary Mathematics Education," The Elementary Mathematician, 3(2), Summer (with M. Schack).

"Databases: Book-Browsing Online," Media and Methods, 25(5), May/June (with M. Schack).

"The Application of Electroencephalography to Computer Assisted Instruction: A Conceptual Framework," (ERIC Document Reproduction Service No. ED 301 149).

"Online Information Services and Your School's Budget," The Computing Teacher, 16(7), April (with M. Schack).

"Information Online for Higher Education," On-Cue, 2(7), April (with M. Schack).

"Databases: Popular Magazines and Journals," Media and Methods, 25(4), March/April (with M. Schack).

"Guide to Online Databases for Higher Education," Collegiate Microcomputer, 7(1), Spring (with M. Schack).

"Databases: Peterson's College Selections Service," Media and Methods, 25(3), January/February (with M. Schack).

"Full-Text Access Available for Link-Up," Link-Up, 6(1), January/February (with M. Schack).

Paper Read

"Electronic Proofreading Software for Education," Annual Kentucky Educational Computing Conference, Lexington, Kentucky, March (with M. Schack).

MARKHAM B. SCHACK, ASSOCIATE PROFESSOR OF EDUCATION

Publications

"Databases: Investigating NASA Spacelink," Media and Methods, 26(2), November/December (with E. Schack).

"Linking Your Microcomputer to Dow Jones Information and News Retrieval Service," Computers in Libraries (formerly Small Computers in Libraries), 9(9), October.

"Databases: Audio-Visual Materials Online," Media and Methods, 26(1), September/October (with E. Schack).

"Public Domain Software Resources for Elementary Mathematics Education," The Elementary Mathematician, 3(2), Summer (with E. Schack).

"Databases: Book-Browsing Online," Media and Methods, 25(5), May/June (with E. Schack).

"Online Information Services and Your School's Budget," The Computing Teacher, 16(7), April (with E. Schack).

"Information Online for Higher Education," On-Cue, 2(7), April (with E. Schack).

"Databases: Popular Magazines and Journals," Media and Methods, 25(4), March/April (with E. Schack).

"Guide to Online Databases for Higher Education," Collegiate Microcomputer, 7(1), Spring (with E. Schack).

"Databases: Peterson's College Selections Service," Media and Methods, 25(3), January/February (with E. Schack).

"Full-text Access Available for Link-Up," Link-Up, 6(1), January/February (with E. Schack).

Papers Read

"Software to Reinforce Concept Development: Commercial and Free Public Domain," Annual Conference of the Kentucky Council of Teachers of Mathematics, Louisville, Kentucky, October.

"Electronic Proofreading Software for Education," Annual Kentucky Educational Computing Conference, Lexington, Kentucky (with E. Schack).

"Electronic Proofreading Software for Your Personal Computer," InfoComm, the Annual National Conference of the American Association of Educational Communications and Technology, Dallas, Texas, February.

JOHN MICHAEL SEELIG, ASSOCIATE PROFESSOR OF SOCIAL WORK AND COORDINATOR OF SOCIAL WORK

Publications

"Issues Pertaining to Social Work Licensing and Certification," Journal of Independent Social Work, 4:1.

"Tax Issues for Social Workers in Partnerships: Part I," Journal of Independent Social Work, 3:2.

"Tax Issues for Social Workers in Partnerships: Part II," Journal of Independent Social Work, 3:3.

Papers Read

"Innovative Partnerships and Coalitions: New Strategies for Affecting Social Welfare Policy and Reductions in Resources to Rural Human Service Organizations," 14th Annual National Institute on Social Work and Human Services in Rural Areas, Bemidji State University, Bemidji, Minnesota, Summer.

"Development of Educational Outcomes for the Bachelor of Social Work Curriculum," Kentucky Association of Social Work Educators' Fall Conference, Shakertown, Kentucky, November.

JAMES E. SMALLWOOD, ASSISTANT PROFESSOR OF INDUSTRIAL EDUCATION

Publication

"How Indiana Educators Feel About Their New Curriculum," School Shop/Tech Directions, Vol. 49, No. 5, December.

STUART S. SPRAGUE, PROFESSOR OF HISTORY

Book Review

Breaking with Burr: Harman Blennerhassett's Journal, 1807 by Raymond E. Fitch (ed.), Journal of Southern History.

Paper Read

"Stimulating Interest in Local History," Historical Confederation of Kentucky Regional Meeting, Morehead, Kentucky.

THOMAS STERNAL, PROFESSOR OF ART AND DEPARTMENT CHAIR OF ART

Art Exhibits

Bench form 89-1, (monumental size sculpture) Ursinus College, Collegeville, Pennsylvania, March.

Bench form 89-2, (monumental size sculpture) West Chester University, West Chester, Pennsylvania, April.

Vertical form 88, Lexington Monumental Sculpture Exhibition, Lexington, Kentucky, May.

Bench form 89-3, (monumental size sculpture) Allentown Park System, Allentown, Pennsylvania, July.

Area Faculty Exhibition, Ashland Area Art Gallery, Ashland, Kentucky, July.

Bench form 89-5, (monumental size sculpture) Slippery Rock University, Slippery Rock, Pennsylvania, September.

Vertical form 89, (monumental size sculpture) Woodmere Museum, Philadelphia, Pennsylvania, October.

Bench form 89-6, (monumental size sculpture) Ursinus College, Collegeville, Pennsylvania, October.

Bench form 89-7, (monumental size sculpture) Medical College of Pennsylvania, Pennsylvania, November.

One-Man Show, Ashland Area Art Gallery, Ashland, Kentucky, November.

Bench form 89-4, (monumental size sculpture) Cheney State University, Cheney, Pennsylvania, December.

THOMAS S. STROIK, ASSISTANT PROFESSOR OF ENGLISH

Publications

"Teaching Teachers Grammar," Syntax in the Schools, February.

"Lexical Parameterization and Argument Structures," Papers from the 23rd MALC Conference.

Papers Read

"The Homecoming: Disruptions of the Cooperative Principle," Kentucky Philological Association, March.

"Directionality: Parameterization of Phrase Structure," Linguistic Society of America Summer Institute, July.

"The Exceptional Case of NP Adverbs," Mid America Linguistics Conference, October.

"Middles and Movement," Linguistic Society of America National Convention, December.

WILLIAM J. WEIKEL, PROFESSOR OF EDUCATION

Publications

"The Evolution and Practice of Mental Health Counseling," Journal of Mental Health Counseling, January (with Ralmo).

"A Multimodal Approach in Dealing with Chronic Epstein-Barr Viral Syndrome," Journal of Counseling and Development, May.

"Mental Health Counselors in the 1990's," Psychology.

Papers Read

"Models and Theories of Supervision," National Academy of Certified Clinical Mental Health Counselors Workshop, Orlando, Florida, September; Myrtle Beach, South Carolina, September; Phoenix, Arizona, December.

"Using Your Learning for Increased Earning and Making it Grow," West Virginia Association for Counseling and Development, September.

"Using Your Learning for Increased Earning and Making it Grow," Kentucky Association for Counseling and Development, October.

VIRGINIA EMAN WHEELLESS, ASSOCIATE PROFESSOR OF SPEECH AND DIRECTOR OF PLANNING, INSTITUTIONAL RESEARCH AND EVALUATION

Publications

"The Role of Situation, Physician Communicator Style, and Hospital Rules Climate on Nurses' Decision Styles and Communication Satisfaction," Health Communication, Vol. 1, No. 4 (with L. R. Wheelless and Riffle).

"Student Assessment of Teacher Masculinity and Femininity: A Test of the Sex Role Congruency Hypothesis on Student Attitudes Toward Learning," Journal of Educational Psychology, Vol. 81, No. 2 (with Potorti).

PATSY P. WHITSON, ASSOCIATE PROFESSOR OF SOCIAL WORK

Paper Read

"Continuity and Change: an Analysis of Social Work Student Values Over Time," Council of Social Work Education Annual Meeting, Chicago, Illinois, March (with Marshall and Bylund).

S. MONT WHITSON, PROFESSOR OF SOCIOLOGY

Publication

Sense of Place in Appalachia, Office of Regional Development Services, Morehead State University, Morehead, Kentucky, January.

Papers Read

"The Religious Dimension in Margaret Walker's Poetry," Association of Caribbean Studies Meeting: San Jose, Costa Rica, July.

"The Career of a Concept: Subculture," American Sociological Association Meeting: San Francisco, California, August.

"Sense of Place Among Southern Blacks," Southern Conference on Afro-American Studies: Baton Rouge, Louisiana, February.

"Religion of Televangelism," American Culture Association, St. Louis, Missouri, April.

A. JEAN WILSON, PROFESSOR OF EDUCATION AND DEPARTMENT CHAIR OF LEADERSHIP AND SECONDARY EDUCATION

Publication

"The Effects of Two Types of Graduate Training on Teachers' Attitudes Toward Behavior Problems of Children," College Student Journal, 23, 2.

Papers Read

"Illuminating the Knowledge Base: Using Association for Supervision and Curriculum Development (ASCD) Publications in Preparing the Nation Council for Accreditation for Teacher Education (NCATE) Knowledge Base for Professional Education," Association for Supervision and Curriculum Development (ASCD) Conference, Orlando, Florida, March (with Robert Prickett).

"Human Rights: Ways Counseling Organizations Assist Underserved Groups," Kentucky Association for Counseling and Development Conference, Louisville, Kentucky, October.

MESGHENA YASIN, ASSISTANT PROFESSOR OF ECONOMICS

Paper Read

"Testing the Monetary Approach to the Balance of Payments in the Presence of Nontraded Goods," Missouri Valley Economic Association Annual Meeting, Kansas City, Missouri, February.

DON B. YOUNG SR., ASSISTANT PROFESSOR OF ART

Art Exhibits

Morehead State University Faculty Show, Ashland Area Art Gallery, Ashland, Kentucky, January.

Ashland Area 120, Ashland Area Art Gallery, Ashland, Kentucky, September.

Morehead State University Faculty Show, Claypool-Young Art Gallery, Morehead State University, Morehead, Kentucky, December.

Performance

Marionettes as Teaching Aids, Huntington Art Museum, Huntington, West Virginia, April.

EUGENE O. YOUNG, PROFESSOR OF ENGLISH AND INTERIM DEPARTMENT CHAIR OF ENGLISH, FOREIGN LANGUAGES AND PHILOSOPHY

Papers Read

"Writing Across the Undisciplines," Kentucky Council of Teachers of English Annual Meeting, Lexington, Kentucky, February.

"When Worlds Collide: Today's Undergraduate Meets Melville," Kentucky Philological Association Annual Meeting, Owensboro, Kentucky, March.

RECIPIENTS OF 1989-90 RESEARCH AND CREATIVE PRODUCTIONS GRANTS

WILLIAM M. BATSEL, ASSOCIATE PROFESSOR OF PSYCHOLOGY

"Co-morbidity of Alcoholism and Depression: Literature Review and Pilot Study"

FRED M. BUSROE, ASSOCIATE PROFESSOR OF BIOLOGY

"Survey of the Avian Species Inhabiting the Rowan County Sphagnum Swamp"

**TERESA FORSYTH, ASSOCIATE PROFESSOR OF BIOLOGY AND LES MEADE,
ASSOCIATE PROFESSOR OF BIOLOGY**

"A Systematic and Electrophoretic Study of Ambystoma jeffersonianum and Ambystoma tigrinum in Kentucky"

STEPHEN K. FOX, ASSISTANT PROFESSOR OF PSYCHOLOGY

"Impact of Information and Goal Setting on Algorithmic/Heuristic Tasks Performance"

ROBERT FRANZINI, ASSOCIATE PROFESSOR OF ART

"A Suite of Large Scale Transfer Lithographs"

DENNIS KARWATKA, ASSOCIATE PROFESSOR OF INDUSTRIAL EDUCATION

"History of Technology"

KARL R. KUNKEL, ASSISTANT PROFESSOR OF SOCIOLOGY

"Organizational Ecology as an Approach to Corporate Crime"

DAVID T. MAGRANE, PROFESSOR OF BIOLOGY

"Effect of Exercise and Calorie Restriction on DMBA Induced Mammary Tumorigenesis in Rats Fed High Fat Diets"

BRUCE A. MATTINGLY, PROFESSOR OF PSYCHOLOGY

"Mesolimbic Dopamine and Behavioral Sensitization"

PHYLLIS OAKES, ASSISTANT PROFESSOR OF EDUCATION

"A Parent Education Model to Enhance the Benefits of Even Start"

FRANCIS H. OSBORNE, PROFESSOR OF PSYCHOLOGY

"Formal Reasoning and PSI"

**RECIPIENTS OF 1989-90 RESEARCH AND CREATIVE PRODUCTIONS
GRANTS
(Continued)**

TED PASS, II, PROFESSOR OF BIOLOGY

"Potential Bacteriologic and Endotoxin Hazards Associated with Liquid Bicarbonate Concentrate: An Evaluation of Media Utilized in the Isolation, Quantitation and Identification of Microbial Contaminants in a Hemodialysis Center"

DONNA C. PHILLIPS, ASSISTANT PROFESSOR OF SOCIOLOGY

"The Halcion Project"

BARBARA QUIGLEY, ASSISTANT PROFESSOR OF PSYCHOLOGY

"Aggression on North American Television"

BRIAN REEDER, ASSISTANT PROFESSOR OF BIOLOGY

"A Preliminary Investigation of Hydrology, Productivity, and Phosphorus Cycling in an Eastern Kentucky Swamp"

EDWARD B. REEVES, PROFESSOR OF SOCIOLOGY

"The Durkheimian Theory of Ritual: A Proposal to Develop a Cross-Cultural Data Base for Hypothesis Testing"

ALLEN RISK, INSTRUCTOR OF BIOLOGY

"The Mosses of Pine Mountain - A Floristic List with Ecological Notes"

DAVID J. SAXON, PROFESSOR OF BIOLOGY

"Hypercholesterolemia and Adenosine Diphosphate-Induced Platelet Aggregation"

JOHN M. SEELIG, ASSOCIATE PROFESSOR OF SOCIAL WORK

"A Comparative Study of the Child Welfare Systems in Shewa Province, Ethiopia"

**GEORGE TAPP, PROFESSOR OF PSYCHOLOGY AND DEPARTMENT CHAIR OF
PSYCHOLOGY**

"Discriminant and Convergent Validity of the 16 P F, Form"

STEPHEN TIRONE, ASSOCIATE PROFESSOR OF ART

"Cold-cast Bronze Sculpture"

RECIPIENTS OF MAY 1989 SUMMER RESEARCH FELLOWSHIP GRANTS

LAWRENCE S. ALBERT, ASSISTANT PROFESSOR OF SPEECH

"New Ideas for Studying Degrees of Personalized Conflict in Audio Teleconferencing Groups"

JON W. BURGESS, ASSISTANT PROFESSOR OF MUSIC

"An Annotated Bibliography of Trumpet Ensemble Music"

ROBERT J. FRANZINI, ASSOCIATE PROFESSOR OF ART

"A Preliminary Investigation of Intaglio Technique Involving Fasson Paper Stop Out for Large Scale Open-Biting and Rosin Box Aquatint for Even Grained Tonality"

WILLIAM C. GREEN, ASSOCIATE PROFESSOR OF GOVERNMENT

"The Quality of Legal Representation: The Meaning of Reasonably Competent Appointed Criminal Defense Counsel"

LLOYD R. JAISINGH, ASSOCIATE PROFESSOR OF MATHEMATICS

"Bayesian Estimation of the Reliability of a p-Component Series System Under Exponential Failure Distribution"

BRUCE A. MATTINGLY, PROFESSOR OF PSYCHOLOGY

"Neural and Behavioral Mechanisms Mediating the Development of Behavioral Sensitization to Stimulant Drugs"

WAYNE A. MORELLA, ASSOCIATE PROFESSOR OF INDUSTRIAL EDUCATION

"Form Follows Function' or 'Function Follows Form' in Product Design"

RONALD D. MORRISON, ASSISTANT PROFESSOR OF ENGLISH

"Christina Rossetti and the Fallen Woman"

ALLEN C. RISK, INSTRUCTOR OF BIOLOGY

"Mosses of the Big South Fork Recreation Area (Kentucky)"

SCOTT W. RUNDALL, ASSISTANT PROFESSOR OF VETERINARY TECHNOLOGY

"Comparison of Uterine Swab Cultures and Uterine Lavage Cultures in the Diagnosis of Endometritis in the Walking Horse Mare"

JOHN MICHAEL SEELIG, ASSOCIATE PROFESSOR OF SOCIAL WORK

"Design and Implementation of Welfare System and Service Delivery Mechanisms"

**RECIPIENTS OF MAY 1989 SUMMER RESEARCH FELLOWSHIP
GRANTS
(Continued)**

S. MONT WHITSON, PROFESSOR OF SOCIOLOGY
"Sense of Place"

VICKIE WEIR, ASSISTANT PROFESSOR OF ENGLISH
"Gertrude Buck's Theory of Discourse: Women on the Horizon"

RECIPIENTS OF DISTINGUISHED RESEARCHER AWARD

**LLOYD R. JAISINGH
1989**

**DAVID R. RUDY
1988**

**BRUCE MATTINGLY
1987**

**JAMES GOTSICK
1986**

**STUART S. SPRAGUE
1985**

**GEORGE DICKINSON
1984**

**FRANCIS H. OSBORNE
1983**

**DAVID HYLBERT
1982**

**TED PASS, II
1981**

**JULES DUBAR
1980**

**VICTOR HOWARD
1979**

RESEARCH AND PATENT COMMITTEE 1989-90

College of Applied Sciences and Technology

James Smallwood
Ronald Spangler
Vacancy, Graduate Student

College of Professional Studies

Rosemary Peavler
William Weikel, Fall 1989
Alban Wheeler, Spring 1990
Steven Remillard, Graduate Student

College of Arts and Sciences

Ryan Howard
Charles Mason
Sanoma Goodwill, Graduate Student

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