

1981

## College of Arts and Sciences summary of research and creative activities, July 1, 1980 to June 30, 1981

University of Central Florida. College of Arts and Sciences

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*Summary of Research  
& Creative Activities*



**July 1, 1980**  
*to*  
**June 30, 1981**

**College of  
Arts & Sciences**

Prof. Unkov

Sociology

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## INTRODUCTION

It is a pleasure to present the enclosed Summary of Faculty Research and Creative Activities which have occurred in the College of Arts and Sciences during the 1980-81 fiscal year. This year, the first of the College's existence as a new academic unit in the University, has been an extremely productive one in the research and creative activities area and is highly characteristic of established traditions throughout the College.

As indicated by the various tabulated listings, forty-two new external research and training grants or contracts were funded during 1980-81 for a total of \$1,365,287, thirty-seven projects representing \$1,592,844 of external funding received prior to 1980-81 were still active during the year and a significant number of Arts and Sciences faculty members received University grants for research or instructional activities. This year's activities brings the total amount of external funding received by various areas within the College of Arts and Sciences to over \$9,000,000 for the twelve-year period of 1969 through 1981. This is an impressive statistic and record of achievement considering the age and growth rate of the University.

Perhaps a more representative measure of the research and creative activities of the College during the current year is the outstanding level of productivity represented by the areas of Faculty presentations and publications.

These accomplishments reflect an involvement by all the disciplines in the College and represent an inherited and valued tradition for the College in its role as the largest academic unit in the University.

When the activities summarized above are considered in conjunction with extensive involvements in teaching, community affairs and professional service contributions, it is evident that the Faculty of the College of Arts and Sciences have continued a performance to which the University can point with considerable pride. It is a privilege to submit this Summary on their behalf.

Ralph A. Llewellyn  
Dean

COLLEGE OF ARTS AND SCIENCES

OUTSTANDING RESEARCH AND TEACHING AWARDS, 1980-81

RESEARCH:

Dr. Bruce F. Pauley  
Professor of History

Dr. William C. Oelfke  
Associate professor of Physics

TEACHING:

Dr. John J. Brennan  
Associate Professor of Physics

Dr. Paul E. Riley  
Associate Professor of Humanities

DR. BRENNAN WAS ALSO SELECTED BY THE UNIVERSITY LEARNING RESOURCE COUNCIL AS THE OUTSTANDING UNIVERSITY TEACHER OF THE YEAR.

DR. PAULEY WAS ACCORDED A SIMILAR HONOR BY THE UNIVERSITY RESEARCH COUNCIL AS THE OUTSTANDING UNIVERSITY RESEARCHER OF THE YEAR.



## UNIVERSITY IN-HOUSE RESEARCH AWARDS, 1980-81\*

## COLLEGE OF ARTS AND SCIENCES' RECIPIENTS

PRINCIPAL INVESTIGATOR	PROJECT TITLE	AMOUNT
Burr, Scott	Central Tendency Effects in Stimulus Generalization	\$1,250
Cunningham, Glenn	Multiple Forms of Aldehyde Oxidase in Drosophila Melanogaster	\$ 850
Greenhaw, Thomas D.	The Administration of Governor Patrick Tonyn	\$ 770
Handberg, Roger and Maddox, William S.	Demographic Sources of Support for Science	\$1,200
Hertel, George R.	Improved Methods for the Analysis of Environmental Samples for Radioactive Contaminants: Ra-226 Citrus	\$1,920
Idoux, John P.	Synthesis, Chemical Modification and Testing of a Potentially New Sonar Transducer Fluid	\$ 300
McGuire, John M.	The Effects of Fishbowl Structuring Techniques on Experiential Group Feedback, Self-Disclosure and Personality Change	\$1,308
Meyers, Jeffrey	Doping Polyacrylonitrile	\$3,200
Snelson, F. F.	Otolith Microstructure: A New Technique for Aging Fishes	\$3,000
Whisler, Marilyn W.	Conflict and the Comprehensive Planning Process	\$2,875
Wienclaw, Ruth A.	The Use of Bio Data and Interests in Career Development for Women	\$2,200
Zegman, Marilyn	Modeling Versus Lecture and Discussion in the Behavioral Treatment of Obesity	\$3,200
	TOTAL	\$22,073**

\* The In-House Research Awards Program was initiated several years ago by the University and is coordinated through the Division of Sponsored Research. The intent of the Program is to assist and encourage full-time, regular faculty to become involved in research and/or to assist established investigators who are initiating new projects. Proposals are evaluated by the University Research Council and recommendations made to the Vice President of Research for approval. Awards provide funding for certain direct and expense items associated with the project and/or instructional replacement costs and student assistant stipends.

\*\* Miscellaneous small awards from the Division of Sponsored Research to a number of Arts and Sciences faculty members contributed an additional \$4,348 to the College's Research and Creative Activities efforts during 1980-81.

INSTRUCTIONAL DEVELOPMENT SUMMER AWARDS, SUMMER 1981\*  
COLLEGE OF ARTS AND SCIENCES RECIPIENTS

RECIPIENT	PROJECT TITLE	AMOUNT
Abel, Eileen and Green, Cheryl	Development of a Training Unit for Social Work Field Education	\$5,597
Maddox, William and Lilie, Stuart	Use of the Q-Technique as an Alternate Method of Instructor Evaluation	\$2,366
McGuire, John	Development of Helping Skills Modeling Tapes for the Teaching of Counselors	\$3,513
Sommer, Margaret	Project in Socio Linguistics	\$ 714
		<u>\$12,190</u>

\*The University's Instructional Development Summer Grants Program was initiated in Summer 1981. The intent of this special program is to promote and encourage interest in instructional development projects. Proposals are evaluated by the University Learning Resource Council and recommendations made to the Vice President of Academic Affairs for approval. Requests may be made to provide a portion of a faculty member's summer salary and/or expense and OPS needs related to the project.

FACULTY SUMMER RESEARCH AWARDS, SUMMER 1981\*  
 COLLEGE OF ARTS AND SCIENCES' RECIPIENTS

RECIPIENT	PROJECT TITLE
Barnes, Beth	Too Little and Too Lately Known: The Satiric Poetry of John Oldham
Blau, Burton	Perseverance in Physical Fitness Programs: Personality Variables
Donnelly, Jerome	Satire and Norm in the Fiction of William Gaddis
Dutton, Ronald	An Estimator for Graph Invariants: A Software Tool for Graph Theory Research
Evans, John L.	Russia and Central Asia Before 1865
Fedler, Fred	Newspaper Editorials: Their Impact Upon Voter Behavior
Guest, Sandra S.	Changes in Parents' Communication on Sexuality with Children and Adolescents as a Function of Sex Education for Parents
Guha, Ratan K.	Selecting Debugging Tools for a Distributed Processing System
Gupton, John	The Synthesis of Sesbanine, A New Cytotoxic Alkaloid
Meeske, Milan	Analysis of the United States Court of Appeals as a Policy Maker in Broadcast Regulation
Meyers, J. A.	Polyacrylonitrile Studies
Omans, Stuart	Shakespeare: The Outsider and Self Identity
Stout, Jack	Area, Isolation, and Local Extinction of Biotic Species
Sweet, Haven	Application of Spectral Solving Techniques to Detecting Citrus Decline
Taylor, Michael D.	Transformations Between PSM and PM Spaces
Whittier, Henry O.	Systematic and Biogeographic Studies on Bryophyta
Zegman, Marilyn	Continuation of Line of Research in the Behavioral Treatment of Obesity

\*The University's Faculty Summer Research Awards Program was initiated in Summer 1979 and is coordinated through the Division of Sponsored Research. The intent of this special program is to promote and encourage research projects, to improve research capabilities, or to further scholarly activities. Proposals are evaluated by the University Research Council and recommendations made to the Vice President of Academic Affairs for approval. Awards provide a portion of a faculty member's summer salary so that dedicated time can be devoted to the proposed activity.



COLLEGE OF ARTS AND SCIENCES  
EXTERNAL CONTRACTS AND GRANTS FUNDED IN 1980-81

PRINCIPAL INVESTIGATOR	PROJECT TITLE	FUNDING AGENCY	AMOUNT
Abbott, D. W.	Various Training and Evaluation Tasks (3 Projects)	TAEG	\$51,946
Abbott, D. W.	Human Factors Training Projects (13 Projects)	NTEC	\$305,061
Abbott, D. W.	FITMAN	NTEC	\$64,907
Andrews, L. C. and Phillips, R. L.	Laser Propagation	NTEC	\$19,000
Andrews, L. C. and Phillips, R. L.	Temperature Fluctuations and Other Noise Source Effects on Minimum Detectable Rotation in 2 FORS	Martin-Marietta	\$60,000
Baker, G. L.	Gasahol Project	Clifford A. Jackson	\$ 1,000
Bean, S. and Somerville, P. N.	Cloud Statistics Tape and Documentation	NASA	\$ 5,000
Brennan, J. J.	Physical Science for K-4th Grade Teachers from Central Florida	U. S. Department of Education	\$37,000
Brennan, J. J.	Precollege Teacher Development in Science	National Science Foundation	\$21,795
Brigham, R. C. and Dutton, R. D.	Application of Graph Theory to Simulation Displays	NTEC	\$10,000
Brown, W. R.	Opinion Survey for Public Interest in Management of Florida Non-Game Wildlife	STAR	\$15,800

## COLLEGE OF ARTS AND SCIENCES

## EXTERNAL CONTRACTS AND GRANTS FUNDED IN 1980-81

PRINCIPAL INVESTIGATOR	PROJECT TITLE	FUNDING AGENCY	AMOUNT
Clausen, C. A.	Identification of Accelerants in Fire Atmospheres	STAR	\$24,009
Ehrhart, L. M.	Professional Engineering Services for Monitoring and Preparation of a Reconnaissance Report of Turtle Nesting Success, Melbourne and Indialantic Beaches, Brevard County, Florida	U. S. Army Corps of Engineers	\$27,978
Ehrhart, L. M.	Gordon J. Barnett Professorship of Environmental Sciences	Gordon J. Barnett Foundation	\$5,000
Gennaro, R. N. and Wodzinski, R. J.	Biochemical Potential for Nutrient Assimilation in Wetlands and Kinetics of Decomposition FY-81	Coordinating Council on the Restoration of the Kissimmee River Valley and Taylor Creek-Nubbin Slough Basin	\$26,000
Gennaro, R. N. and Wodzinski, R. J.	Identification of Virus Inactivation Substances	Walt Disney World	\$34,051
Gerber, Homer C.	Computer Literacy Training	Florida Department of Education	\$19,178
Gupton, J. T., Cunningham, G.N., and Idoux, J. P.	Synthesis, Testing and Biochemical Studies of Formamidine Insecticides	Dow Chemical Company	\$18,000
Gupton, J. T.	New Reactions of 3-dimethylamino-2-azaprop-2-en-1-yliden-dimethyl-ammonium chloride	Petroleum Research Fund	\$13,000

COLLEGE OF ARTS AND SCIENCES  
EXTERNAL CONTRACTS AND GRANTS FUNDED IN 1980-81

PRINCIPAL INVESTIGATOR	PROJECT TITLE	FUNDING AGENCY	AMOUNT
Handberg, Roger	Determining Present and Future Outdoor Recreational Needs on State Wildlife Management Areas	STAR	\$10,000
Hudson, G. M.	Air Particulate Sampling	NASA	\$41,000
Hudson, G. M.	A Study of Atmospheric Dispersion and Long Range Trajectory Codes and Applications	U. S. Air Force	\$ 5,000
Hudson, G. M.	Science Faculty Professional Development Grant	National Science Foundation	\$20,000
Hudson, G. M.	Summer Faculty Fellowship	NASA/ASEE	\$ 5,600
Idoux, J. P.	Polymeric Ether Glycol Derivatives as Transducer Liquids	Naval Research Laboratory	\$ 4,990
Kennedy, Henry	Research on Government & Politics of Canada	Canadian Government (Washington D.C. Embassy)	\$ 3,125
Kuhn, David T. and Cunningham, G. N.	Developmental Studies of Homoeosis in <u>D. melanogaster</u>	National Institute of Health	\$41,792
Kuhn, David T. and Cunningham, G. N.	Dorothy-Vanderwater Hoyt Memorial Research Fellowships	American Cancer Society Florida Division	\$ 1,800
Madsen, B. C.	Kennedy Space Center Precipitation Monitoring Program	NASA	\$40,683
McGee, W. W.	Analytical Procedures for Monitoring Sulfur and Metal Salts	Naval Research Laboratory	\$19,000



COLLEGE OF ARTS AND SCIENCES  
EXTERNAL CONTRACTS AND GRANTS FUNDED IN 1980-81

PRINCIPAL INVESTIGATOR	PROJECT TITLE	FUNDING AGENCY	AMOUNT
McGee, W. W.	Development of Automated Integrated Analysis Equipment for use in the NRL/USRD Quality Assurance Program	Naval Research Laboratory	\$59,000
Morales, Waltraud	How Television Reports Latin America	George Washington University under Television and Politics Study Program, School of Public and International Affairs	\$ 500
Mukhopadhyay, Amar	String Processing Computer Architecture	NSF	\$111,760
Oelfke, W. C.	Harmonic Oscillator	National Bureau of Standards	\$25,000
Osborne, J. A.	Efficacy of Hydrilla Control and a Stocking model for Hybrid Grass Freshwater Lakes	U. S. Environmental Protection Agency	\$128,930
Sherwood, H.	Dominates, A Relation Between Triangular Norms	Air Force Office of Scientific Research	\$ 9,930
Shofner, J. H.	History of Jackson County, Florida	Jackson County Heritage Society	\$12,000
Snelson, F. F., Jr.	SUS Marine Programs Update	Florida Sea Grant College	\$ 8,970
Taylor, Walter K.	House Wren Migration	Paul A. Stewart	---
Thomas, M. H.	Extinction of Arousal and Aggressive Behavior	National Institute of Mental Health	\$24,608

COLLEGE OF ARTS AND SCIENCES  
EXTERNAL CONTRACTS AND GRANTS FUNDED IN 1980-81

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PRINCIPAL INVESTIGATOR	PROJECT TITLE	FUNDING AGENCY	AMOUNT
Wodzinski, R. J. and Gennaro, R. N.	Methane from Water Hyacinths	Worldco	\$22,874
Workman, David A.	Design and Implementation of a Computer Aided Authoring System	NTEC	\$10,000
TOTAL CONTRACTS AND GRANTS FUNDED IN 1980-81			\$1,365,287

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## COLLEGE OF ARTS AND SCIENCES

## ACTIVE EXTERNAL CONTRACTS AND GRANTS FUNDED PRIOR TO 1980-81

PRINCIPAL INVESTIGATOR	PROJECT TITLE	FUNDING AGENCY	AMOUNT
Abbott, D. W.	Various training and evaluation tasks (4 projects)	TAEG	\$62,218
Abbott, D. W.	USMC Intern Program	NTEC	\$74,208
Brennan, J. J.	Physical Science for 4-8th Grade Teachers in Central Florida	National Science Foundation	\$17,000
Brennan, J. J.	Physical Science for 4-8th Grade Teachers in Central Florida	National Science Foundation	\$26,000
Brown, W. R. and Cook, I. J.	1980 ASA Membership Survey	American Sociological Association	\$ 3,477
Brown, W. R.	Analysis of Alcoholism Delivery System in Central Florida	Metropolitan Alcoholism Commission	\$ 3,000
Brown, W. R.	Needs Assessment for Orange County Residents	Orange County Human Services Planning Council & Department of Community Affairs	\$ 7,000
Ehrhart, L. M.	Sea Turtle Mortality Study	National Marine Fisheries Service	\$ 4,500
Gennaro, R. N. and Wodzinski, R. J.	Biochemical Potential for Nutrient Assimilation in Wet Lands and Kinetics of Decomposition	Coordinating Council on the Resotration of the Kissimmee River Valley and Taylor Creek-Nubbin Slough Basin	\$40,736
Gennaro, R. N. and Wodzinski, R. J.	Biochemical Potential II	Coordinating Council on the Restoration of the Kissimmee River Valley and Taylor Creek-Nubbin Slough Basin	\$43,358



COLLEGE OF ARTS AND SCIENCES

ACTIVE EXTERNAL CONTRACTS AND GRANTS FUNDED PRIOR TO 1980-81

PRINCIPAL INVESTIGATOR	PROJECT TITLE	FUNDING AGENCY	AMOUNT
Gersting, J. M.	Huntington's Disease Research Roster (at Indiana State University)	National Institute of Health	\$75,000
Green, C.	Preparing the Social Work Undergraduate Student for Child Welfare Services: Specialized Field Instruction Studies	Health, Education and Welfare	\$16,017
Gupton, J. T. and Idoux, J. P.	Research Equipment	National Science Foundation	\$24,915
Gupton, J. T.	Photochemical Rearrangements of Heterocyclic Cross-Conjugated Dienones. Application to the Synthesis of a Potential Prostaglandin Synthase	The Research Corporation	\$ 4,900
Hertel, G. R.	Computer Based Data Acquisition System for Chemistry Laboratory	National Science Foundation	\$16,870
Hughes, Charles E.	High School Microcomputer Science Education (at the University of Tennessee)	National Science Foundation	\$245,000
Idoux, J. P.	Activation of Molecular Oxygen via Polymer-Supported Transition Metal Complexes	Petroleum Research Fund	\$13,000
Kazmerski, K. J.	Undergraduate Social Work Education	Florida Health and Rehabilitative Services	\$39,985
Kazmerski, K. J.	Traineeships in Child Welfare	U. S. Department of Health and Human Services	\$16,017

COLLEGE OF ARTS AND SCIENCES

ACTIVE EXTERNAL CONTRACTS AND GRANTS FUNDED PRIOR TO 1980-81

PRINCIPAL INVESTIGATOR	PROJECT TITLE	FUNDING AGENCY	AMOUNT
Kazmerski, K. J.	Child Welfare Curriculum Development	U. S. Department of Health and Human Services	\$23,131
Klein, T. (USF) and Sweeney, M. J.	Pertussis Vaccine Antigens Modulating Macrophages	National Institute of Health	\$28,613
Koevenig, J. L.	Use of Video Cassettes and Minitexts to Teach Remedial Skills and Concepts in the Biological Sciences	National Science Foundation	\$171,000
Kuhn, D. T. and Cunningham, G. N.	Developmental Study of Homoesis in <u>D. melanogaster</u>	National Institute of Health	\$135,880
McGee, W. W.	Development Program for Monitoring Neoprene Rubber Stock	Naval Research Laboratory/ USRD	\$13,908
Oelfke, W. C.	Measurement of G	Research Corporation	\$10,000
Oelfke, W. C.	Low Temperature Gravitational Wave Experiment (LSU)	National Science Foundation	\$ 3,500
Osborne, J. A.	Comparative Effects of Grass Carp ( <u>Ctenopharynodon Idella</u> ) and Herbicides on <u>Hydrilla Verticillata</u> Royle biomass in four Florida lakes	Florida Department of Natural Resources	\$107,502
Shofner, J. H.	History of Apopka and Northwest Orange County	Apopka Historical Society	\$ 5,000

COLLEGE OF ARTS AND SCIENCES

ACTIVE EXTERNAL CONTRACTS AND GRANTS FUNDED PRIOR TO 1980-81

PRINCIPAL INVESTIGATOR	PROJECT TITLE	FUNDING AGENCY	AMOUNT
Snelson, F. F., Jr.	Monitoring the Epibenthic Fish Community in the Indian River Lagoon System, Florida: Summer 1980	U. S. Fish and Wildlife Service	\$ 7,800
Sommerville, P. N. and Bean, S.	Extended Climatic Probability Models	Air Force Systems Command	\$96,000
Sweet, H. C.	Modification, Improvement and Test of a Computer Technique for Remotely Measuring Tree Canopy	Florida Department of Agriculture and Consumer Services, Forestry Division	\$19,998
Unkovic, C. M.	WCTU - Alcohol Awareness	Women's Christian Temperance Union	\$ 1,000
Washington, J. T. and Cook, I. J.	Problems, Issues and Concerns: An Assessment of Black Perceptions in Orlando, Florida	United Way of Orange County - Edyth Bush	\$12,000
Whisler, M.	Science Careers for Women: Exploring the Options	National Science Foundation	\$12,000
Wienclaw, R. A.	A-7E Heads Up Display Simulated Arimics Maintenance Training Evaluation	NTEC	\$100,000
Wodzinski, R. J. and Gennaro, R. N.	Optimization of Bioconversion of Dairy Waste to Methane and Fertilizer	Coordinating Council on the Restoration of the Kissimmee River Valley and Taylor Creek-Nubbin Slough Basin	\$80,520

COLLEGE OF ARTS AND SCIENCES

ACTIVE EXTERNAL CONTRACTS AND GRANTS FUNDED PRIOR TO 1980-81

PRINCIPAL INVESTIGATOR	PROJECT TITLE	FUNDING AGENCY	AMOUNT
Wodzinski, R. J. and Gennaro, R. N.	Optimization of Bioconversion of Dairy Waste to Methane and Fertilizer II	Coordinating Council of the Kissimmee River Valley and Taylor Creek-Nubbin Slough Basin	\$ 31, 791
TOTAL ACTIVE CONTRACTS AND GRANTS FUNDED PRIOR TO 1980-81			\$1,592,844



BIOLOGICAL SCIENCES

REFEREED

GUY, C. L., G. Yelenosky and H. C. Sweet. Light exposure soluble sugars in citrus frost hardiness. *Florida Scientist*. 43(4): 268-273. 1980. Regional.

FRY, D. L., and J. A. Osborne. Zooplankton abundance and diversity in Central Florida grass carp ponds. *Hydrobiologia*. 68(2): 145-155. 1980. International.

KUHN, D. T., D. F. Woods and J. L. Cook. Analysis of a new homoeotic mutation (*iab-2*) within the bithorax complex in *Drosophila melanogaster*. *Molecular and General Genetics* 181:82-86. 1981. International.

SCOTT, S. L. and J. A. Osborne. Benthic macroinvertebrates of a *Hydrilla* infested Central Florida lake. *J. Freshwater Biology*. 1:41-49. 1981. National.

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SNELSON, F. F., Jr., and J. D. Wetherington. Sex ratio in the sailfin molly, *Poecilia latipinna*. *Evolution* 34(2): 308-319. 1980. International.

SNELSON, F. F., Jr. New records of marine fishes in the Indian River lagoon system, Florida. *Florida Scientist* 44(1): 63-64. 1981. Regional.

STOUT, I. J., and M. H. Keim. Variation in number of plantar tubercles in *Peromyscus floridanus*. *Florida Scientist* 44(2): 126-128. 1981. State.

SWEENEY, M. J., C. Kay, L. R. Klotz and S. D. Klotz. An I<sub>g</sub>E inhibition assay for the detection of allergen specific I<sub>g</sub>E. *Annals of Allergy*, Vol. 94, No. 6, pp. 721-726. 1981. International.

SWEENEY, M. J., L. R. Klotz, C. Kay, S. Rosenberg, R. Moeller and S. D. Klotz. Detection of specific I<sub>g</sub>E mediated drug reactions. *The American College of Allergists, Abstracts of the 37th Annual Congress*, Washington, D. C. p. 58. 1981. International.

TAYLOR, WALTER K., and Robert J. Laird. Nesting of the Summer Tanager near Oviedo, Florida. *Florida Field Naturalist*. Vol. 9:33. 1981. Regional.

WHITE, R. and Normal, J. M. Apotryptophanase synthesis in a vitamin B<sub>6</sub> auxotroph starved for pyridoxine. *Florida Scientist* Vol. 44(1). 1981. Regional.

WHITE, R. Vitamin B<sub>6</sub> regulation of apoenzyme synthesis in a vitamin B<sub>6</sub> auxotroph. Abstract published in *American Society for Microbiology, Florida Branch Program Edition*, May 1981, page 3. Regional.

BIOLOGICAL SCIENCES (Continued)

NON-REFEREED

CHARBA, J. F. Cultural and morphological characteristics of a sulfur-oxidizing budding bacterium. Abstracts of the Annual Meeting of the American Society for Microbiology, p. 99, 1981. National.

EHRHART, L. M. Threatened and endangered species of the Kennedy Space Center: Marine Turtle Studies. NASA Contract Report 163122, KSC TR 51-2, Vol. IV, Part 1. A continuation of base-line studies for environmentally monitoring space transportation systems at John F. Kennedy Space Center. 1980. Regional.

EHRHART, L. M. Threatened and endangered species of the Kennedy Space Center: Threatened and endangered birds and other threatened and endangered forms. NASA Contract Report 163122, KSC TR 51-2, Vol. IV, Part 1. A continuation of base-line studies for environmentally monitoring space transportation systems at John F. Kennedy Space Center. 1980. Regional.

EHRHART, L. M. Marine turtle mortality on the east-central Florida coast in 1980. Fla. Scientist 44(1):36 (abstract). 1981. Regional.

EHRHART, L. M. Final report to the U. S. Fish & Wildlife Service: Northeast Florida sea turtle aerial survey. 1980. National.

EHRHART, L. M. Report to the National Marine Fisheries Service: Marine turtle mortality in Brevard and Volusia Counties, Florida, 1 January to 31 August 1980. Regional.

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KUHN, D. T. and G. N. Cunningham. Comparison of G6PD/6PGD, ICDH and aldol distribution in the D. melanogaster wing disc. Genetics 94: 555-56. (1980). National.

KUHN, D. T. Distribution of AO, ICDH, G6PD in D. melanogaster wing disc. American Zoologist 20:914. (1980) National.

BIOLOGICAL SCIENCES (Continued)

NON-REFEREED

OSBORNE, J. A. Comparative effects of grass carp and herbicides on hydrilla in four Florida lakes. March, 1980 - February, 1981. Annual report to FDNR. 78 p. Regional.

OSBORNE, J. A. Biological control of 'littoral algae' in eutrophic Florida lakes with striped mullet. Annual report to FDNR. 75 p. Regional.

OSBORNE, A. J. Final report on biological control of 'littoral algae' in eutrophic Florida lakes with striped mullet. Submitted to FDNR. 155 p. Regional.

OSBORNE, J. A. Hydrilla control with the hybrid grass carp. Biannual report to EPA, Washington, D.C. 127 p. National.

SNELSON, F. F., Jr. Monitoring the epibenthic fish community in the Indian River lagoon system, Florida: A final report submitted to the Merritt Island National Wildlife Refuge, U. S. Fish and Wildlife Service, for contract no. 14-16-0004-80-041. 124 pp. 1981. Regional.

SNELSON, F. F., Jr. Notropis amoenus (Abbott), p. 225; Notropis ardens (Cope), p. 228; Notropis atrapiculus Snelson, p. 233; Notropis bellus (Hay), p. 237; Notropis fumeus Evermann, p. 265; Notropis lirus (Jordan), p. 282; Notropis mekistocholas Snelson, p. 287; Notropis perpallidus Hubbs and Black, p. 293; Notropis roseipinnis Hay, p. 301; Notropis umbratilis (Girard), p. 319; Semotilus lumbee Snelson and Sutkus, p. 363. In D. S. Lee, et al.; Atlas of North American Freshwater Fishes. North Carolina State Museum of Natural History, Raleigh, North Carolina. 1980. National.

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- EYFELLS, JOHANN, "Invitational Show," Creative Arts Gallery, Winter Park, Florida, Local, 1980.
- EYFELLS, JOHANN, "Idea Art," Crealde Art Center, Winter Park, Florida, Local, 1981.
- GAUDNEK, WALTER, One man show, Bayerische Versicherungskammer, Munich, Germany, International, March 10--April 18, 1981.
- GAUDNEK, WALTER, One man show, Museen der Stadt Regensburg, Germany, International, June 1981.
- LOTZ, STEVE, One man exhibition, Cornell Museum, Rollins College, Winter Park, Florida, Local, October 21--November 16, 1980.
- LOTZ, STEVE, One man exhibition, Thomas Center for the Arts, Gainesville, Florida, Local, December--January, 1980.
- LOTZ, STEVE, Two person exhibition with Gretchen Lotz, Seminole Community College, Sanford, Florida, Local, November 1980.
- RIVERS, ROBERT, "Potsdam Prints 1980--15th National Print Exhibition," Brawerd Art Gallery, State University College, Potsdam, New York, National, 1980.
- RIVERS, ROBERT, "National Juried Exhibition of Prints & Drawings & Photography," Charlottesville, Virginia, National, 1980.
- RIVERS, ROBERT, "44th Arrowhead Biennial Exhibition," Duluth, New Mexico, National, 1980.



## ART (Continued)

### Exhibitions: (continued)

WELLMAN, CHARLES, "Contacts," Omaha, Nebraska, National, April 5--June 5, 1980.

WELLMAN, CHARLES, "Self Portrait Invitational," Prescott, Arizona, National, October 19--November 14, 1980.

WELLMAN, CHARLES, "Magic Silver Show," Murray, Kentucky, National, January 12--February 11, 1981.

WELLMAN, CHARLES, "Florida Art Faculty," Pensacola, Florida, Regional, April 6--April 29, 1981.

WELLMAN, CHARLES, "Southern Exposure," Daytona Beach, Florida, Regional, Traveling exhibition starting June 1, 1981.

### Lectures:

WELLMAN, CHARLES, "Clarence H. White, Sr.," Daytona Beach Community College, Daytona Beach, Florida, Local, November 10, 1980.

WELLMAN, CHARLES, "History of the Personal Document," Crealde School of Art, Regional, January, 1981.

WELLMAN, CHARLES, "Photography--The Historic Aesthetic Development," Art Gallery, University of West Florida, Pensacola, Florida, Local, May 13, 1981.

### Presentation of TV Documentaries:

GAUDNEK, WALTER, "Environmental Painting" (NBC, 1961), and "Space Cathedral" (CBS, 1973), Museen der Stadt Regensburg, Germany, International, May--June, 1981.

### Presentation of Slide Shows:

GAUDNEK, WALTER, "Multiple Dia-Exposures, Part I" and "Multiple Dia-Exposures, Part II," by Bill Grover, Museen der Stadt Regensburg, Germany, International, May--June, 1981.

### Publications:

CHAVDA, JAGDISH, graphic designer for MANUAL & IDENTIFICATION GUIDE TO THE UNITED STATES REGULAR ISSUES: 1847 THROUGH 1934, by Dr. Charles N. Micarelli, New York, NY, International, 1980.

CHAVDA, JAGDISH, graphic designer for HENRICKSEN 1907-1975, by Eldon N. VanLiere, Michigan State University, Michigan, National, 1981.

ART (Continued)

Publications: (continued)

GAUDNEK, WALTER, and Sailer Anton, "Fauna und Flora, Frauen und Masken, Objecte und Zeichnungen," Bayerische Versicherungs Kammer, Munich, Germany, International, 1981.

GAUDNEK, WALTER, "Gaudnek, Black/White, by Loers Veit (monograph), Museen der Stadt Regensburg, Germany, International, 1981.

GAUDNEK, WALTER, and Dr. Hartwig Carnerus, "Toydoll," DIE KUNST, International, March 1981.

Seminars/Workshops:

CHAVDA, JAGDISH, conducted a special design workshop for 3rd year Visual Communication students, National Institute of Design, Paldi, Ahmedabad, India, International, 1980.

EYFELLS, JOHANN, "Idea Art," originated and participated in a visual and performing arts 3 day extravaganza, Crealde Art Center, Winter Park, Florida, Local, April 10, 11, & 12, 1981.

Judgings:

WELLMAN, CHARLES, "Student Flight Competition," Loch Haven Art Center, Orlando, Florida, Local, March 1981.

WELLMAN, CHARLES, "Annual Art Students' Exhibition," Art Department Gallery, University of West Florida, Pensacola, Florida, Local, May 1981.

Other:

CHAVDA, JAGDISH, Three awards of excellence (certificates) in graphic design by BOARD REPORT FOR GRAPHIC ARTISTS, Harrisburg, Pennsylvania, International, November 1980.

CHAVDA, JAGDISH, received the following awards for graphic design for MANUAL & IDENTIFICATION GUIDE TO THE UNITED STATES REGULAR ISSUES: 1847 THROUGH 1934, by Dr. Charles N. Micarelli, Maitland, Florida, International, 1980:

Silver award by Cardinal Spellman Philatelic Museum, 4th Philatelic Literature Fair

Vermail award by Chicago Philatelic Society

Gold award by SESCAL, Stamp Exhibition of Southern California Stamp Societies

Vermail award by Stamp Show, American Philatelic Society.

ART (Continued)

LOTZ, STEVE, Invitational Major Florida Artists Annual, Harmon Gallery of Art, Sarasota & Naples, Florida, January 1981, Regional.

LOTZ, STEVE, Juried Royal Scottish Academy Annual Exhibition, Edinburgh, Scotland, May - July 1981, International.

LOTZ, STEVE, One man exhibition, Flagler College of Art, St. Augustine, Florida, Regional, November 1980.

LOTZ, STEVE, Commissioned for color lithograph, executed at Maitland Art Center litho workshop. Master printer: Jerry Raidiger, June-Dec. 1980.

LOTZ, STEVE, Conducted series of 6 workshops on drawing for in-service art teachers in the Volusia County Public School System, Local, July - August 1980.

PROFESSIONAL PAPERS, EXHIBITS, SHOWS,  
PERFORMANCES, SYMPOSIA, SEMINARS OR WORKSHOPS  
PRESENTED IN 1980-81

BIOLOGICAL SCIENCES

CHARBA, J. F. Cultural and morphological characteristics of a sulfur-oxidizing budding bacterium, 81st Annual Meeting of the Amer. Soc. Microbiol., Dallas, Texas; National; March 4, 1981.

EHRHART, L. M. An overview of sea turtle research in Florida. Paper given in symposium at joint annual meeting of Herpetologists' League and Society for the Study of Amphibians and Reptiles, University of Wisconsin at Milwaukee. National. August 7-10, 1980.

EHRHART, L. M. Marine turtle mortality on the east-central Florida coast in 1980. Paper presented at annual meeting of Florida Academy of Sciences, Orlando. Regional. April 30-May 2, 1981.

GENNARO, R. N. and R. J. Wodzinski. Operation of 50 L. Digestors. EPA. Robert S. Ker Environmental Research Lab. Ada, Oklahoma. National. April 1981.

GILBROOK, M. J. and J. A. Osborne. Seasonal periodicity of periphytic algae in Florida experimental ponds. Presented at the 4th Annual Meeting of the Florida Field Biologists, Florida Atlantic University, Boca Raton, Florida; National; November 7-9, 1980.

KUHN, D. T. and G. N. Cunningham. Comparison of G6PD/6PGD, ICDH and aldox distribution in the D. melanogaster wing disc. Genetics Society of America; Boulder, Colorado; National; August 1980.

KUHN, D. T. Distribution of AO, ICDH, G6PD, G6PD in D. melanogaster wing disc; American Society of Zoologists; Seattle, Washington; National; December 1980.

KUHN, D. T. Use of histochemistry to study normal and abnormal development in Drosophila; Daytona Beach Community College; Daytona Beach, Florida; Regional; March 1981.

KUHN, D. T. Demonstration of compartments and subcompartments in the D. melanogaster wing disc by clonal analysis. Drosophila Research Conference; Chicago, Illinois; National; April 1981.

LARGE, H. L., J. D. Wetherington, and F. F. Snelson, Jr. A review of reproductive cycles of the live-bearing fishes of the family Poeciliidae, with emphasis on the sailfin molly Poecilia latipinna. Annual Meeting, American Society of Ichthyologists and Herpetologists, Ft. Worth, Texas, National. June 1980.



BIOLOGICAL SCIENCES (Continued)

OSBORNE, J. A. Stocking rate for grass carp to control hydrilla. Presented at the 45th Annual Meeting of the Florida Academy of Sciences, John Young Museum and Planetarium, Orlando, Florida; Regional; April 30-May 2, 1981.

OSBORNE, J. A., W. Borkowski, and N. Sassic. Hydrilla control by grass carp. Presented at the 20th Annual Meeting of the Aquatic Plant Management Society, Sarasota, Florida; National; July 13-16, 1980.

SNELSON, F. F., JR. Indeterminate growth in males of the sailfin molly, Poecilia latipinna (Poeciliidae). Annual Meeting, American Society of Ichthyologists and Herpetologists, Ft. Worth, Texas. National. June, 1980.

STOUT, I. J. Non-game wildlife, "Florida wildlife, the 80's and beyond", Fall Meeting, Florida Chapter, THE WILDLIFE SOCIETY, INC., University of Florida; State, October 10, 1980.

STOUT, I. J., AND S. R. Stafford. Dispersal of cotton rats during a period of low density. Annual Meeting, Florida Field Biologists, Florida Atlantic University; State; November 8, 1980.

STOUT, I. J. Conservation biology of Peromyscus floridanus. Annual Meeting, Florida Academy of Sciences, Orlando; State; May 2, 1981.

STOUT, I. J. and S. R. Stafford. Dispersal of Sigmodon hispidus in East Central Florida. 61st Annual Meeting, American Society of Mammalogists. Miami University, Ohio; National; June 10, 1981.

SWEENEY, M. J. Update on Hepatitis A virus symposium. Put on by: The Infectious Disease Control Agency of Central Florida, Orlando Regional Medical Center. Regional. December 1980.

SWEENEY, M. J. Clinical Allergy Symposium; The American College of Allergy. Disney World Conference Center, Lake Buena Vista, Florida. National. January 1981.

SWEENEY, M. J. The clinical significance of declining I<sub>g</sub>E levels in patients undergoing immunotherapy, 37th Annual Congress of the American College of Allergists, Washington, D.C. International. April 1981.

SWEENEY, M. J. Acquired immunologic dysfunctions. 37th Annual Congress of the American College of Allergists, Washington, D.C. International. April 1981.

SWEENEY, M. J. Immunology and its significance in radioimmunoassays. The Clinical Radioassay Society, 7th Annual National Convention, Miami, Florida. International, March 1981.

BIOLOGICAL SCIENCES (Continued)

SWEET, H. C. Research in botanical photobiology, presented in "Light & Life" symposium at Stetson U., Local. January 29, 1981.

TAYLOR, Walter K. Migration of the common yellowthroat with an emphasis on Florida. Florida Academy of Sciences Annual Meeting. Regional. May 2, 1981.

TURNER, J. S., and F. F. Snelson, Jr. Reproduction in the exotic poeciliid Belonesox belizanus from Dade County, Florida. Annual Meeting, American Society of Ichthyologists and Herpetologists, Ft. Worth, Texas. National. June 1980.

WHITE, Roseann. Apotryptophanase synthesis in a vitamin B<sub>6</sub> auxotroph starved for pyridoxine. Florida Academy of Sciences Annual Meeting, John Young Museum and Planetarium, Orlando, Florida. Regional. May 1, 1981.

WHITE, Roseann. Vitamin B<sub>6</sub> regulation of apoenzyme synthesis in a vitamin B<sub>6</sub> auxotroph. American Society for Microbiology Florida Branch Meeting, Hilton Inn, Kissimmee, Florida, Regional, May 16, 1981.

WINKELMANN, D. A., R. N. Gennaro and R. J. Wodzinski. Biochemical Potential for Nutrient Assimilation in Wetlands and Kinetics of Decomposition II. Contractors Meeting of the Coordinating Council on the Restoration of the Kissimmee River and Taylor Creek-Nubbin Slough Basin. Gainesville, Florida. Local. June 1980.

WODZINSKI, R. J. and R. N. Gennaro. Vendable Products from Animal Waste. UCF Winter Sigma Xi Lecture. Local. February 1981.

WODZINSKI, R. J. The economics of anaerobic digestions. Symposium: Methane an alternative energy course. Bartow, Florida. Regional. February 1981.

WODZINSKI, R. J. 1980. Biomass and Energy. Select committee on energy, State of Florida House of Representatives. Regional. April 1980.

PROFESSIONAL PAPERS, EXHIBITS, SHOWS,  
PERFORMANCES, SYMPOSIA, SEMINARS OR WORKSHOPS  
PRESENTED IN 1980-81

CHEMISTRY

CUNNINGHAM, G.N., "Use of Enzyme Histochemistry to Study Differentiation at the Biochemical Level in Drosophila Imaginal Discs", Southeast-Southwest Meeting of the American Chemical Society; New Orleans, Louisiana; December 11, 1980.

CUNNINGHAM, G.N., "Patterns of Protein Synthesis in Wild-type and Homoeotic Mutants of Drosophila melanogaster". International Conference on Electrophoresis and Electrofocusing; Charleston, South Carolina; April 10, 1981.

CUNNINGHAM, G.N., "Isocitrate Dehydrogenase Distribution in Imaginal Discs of Homoeotic Mutants of Drosophila Imaginal Discs. National Genetics Society Meeting; Raleigh, North Carolina; June 19, 1981.

CUNNINGHAM, G.N., "Acid-basebalance". American Society for Medical Technology; Orlando, Florida; November 9, 1980.

JONES, K., Cunningham, G.N., "Patterns of Protein Synthesis in Imaginal Discs of Wild-type and Homoeotic Mutants of Drosophila," Presented February 14, at the American Cancer Society Meeting-Florida Division; 1981.

WINN, C.A., Cunningham, G.N., "Tissue Distribution of Glucose-6-phosphate Dehydrogenase in Drosophila melanogaster Imaginal Discs", Presented February 14, at the American Cancer Society Meeting-Florida Division; 1981

RILEY, T., Begany, B., Hamelin, T., and Clausen, C.A., "Early Detection and Entrapment of Accelerants in Fire Atmospheres," American Academy of Forensic Sciences, 33rd Annual Meeting; February 16-20, 1981; Los Angeles, California.

KUJAWA, F.B., "Multi-screen Panoramas of American National Parks", Geological Society of American Annual Meeting; Atlanta, Georgia; November 19, 1980.

KUJAWA, F.B., "Geology of our National Parks Through Six Screen Panoramas" Geological Society of American Annual Meeting; Atlanta, Georgia; November 1980.

KUJAWA, F.B., "Geology of our National Parks Through Six Screen Panoramas" National Science Teachers Association; Orlando, Florida; November 21, 1980

KUJAWA, F.B., "Geology of our National Parks Through Six Screen Panoramas" Southeast Region Danforth Associates biannual meeting; Sandestin, Florida; March 14, 1981

KUJAWA, F.B., "Geology of our National Parks Through Six Screen Panoramas" Florida Academy of Sciences annual meeting; Orlando, Florida; May 2, 1981

MCGEE, W.W., "Educational Methods and Techniques Used in the Preparation of the Expert Witness." American Academy of Forensic Sciences; Los Angeles, California February 1981.

CHEMISTRY (Continued)

IDOUX, J.P., "Proximity Effects of Non-Acyl Groups in Simple Model Peptide Bonds and Related Systems," Fourth Gulf Coast Chemistry Conference, Pensacola Beach, Florida, by invitation, national, September 11-13, 1980.

BIED-CHARRETON, C., Idoux, J.P. and Gaudemer, A., "Progress on Synthesis of Soluable Polymer Analogs of Insoluble Polystyryl Derivatives," Centre National de la Recherche Scientifique, Paris, France, December 1980.

MATTSON, G.C., "The Introduction of Industrial Chemistry Topics into an Undergraduate Organic Sequence". Workshop on 'Instrumentation and Undergraduate Organic Chemistry'. Georgia Inst. of Tech.; October 18, 1980

MATTSON, G.C., "Symposium on the "Gulf Coast Chemical Industry in the '80's". Southeast/ Southwest Regional Meeting of the American Chemical Society held in New Orleans, December 13, 1980.

MADSEN, B.C., "Some Aspects of Quality Assurance in Acid Precipitation Studies." 180th National American Chemical Society Meeting, Las Vegas, Nevada. Division of Environmental Chemistry, paper #80. Invited symposium presentation, International, August 26, 1980.

MADSEN, B.C., "Some Evidence for Acid Rain Resulting From HCl Formation During an Expendable Vehicle Launch from Kennedy space Center." 181st National American Chemical Society Meeting, Atlanta, Georgia: Division of Environmental Chemistry, paper #61. Invited symposium presentation international, April 1, 1981.

MADSEN, B.C., "Precipitation Monitoring Program." Shuttle Environmental Effects Program Review, Kennedy Space Center. Regional, October 1, 1980.

MADSEN, B.C., "Chromatography, Past and Present", Seminar Daytona Beach Community College, Local, April 20, 1981.

GUPTON, J.T., "Reactions of 3-Dimethylamino-2-azaprop-2-en-11-yliden-dimethylammonium chloride with Ketones, Amines and Amides," Joint Southeast/ Southwest Regional Meeting of the American Chemical Society, December 10-13, 1980, New Orleans,

GUPTON, J.T., "Instrumentation in the Advanced Organic Chemistry Lab at the University of Central Florida," Georgia Institute of Technology Workshop on Undergraduate Organic Chemistry, October, 1980, regional

GUPTON, J.T., "New Synthetic Applications of Vinamidinium Salts," University of South Florida, Seminar Program, May 14, 1981, regional.



PROFESSIONAL PAPERS, EXHIBITS, SHOWS,  
PERFORMANCES, SYMPOSIA, SEMINARS OR WORKSHOPS  
PRESENTED in 1980-81

COMMUNICATION

BUCHANAN, RAYMOND W. "The Communication Professional's Responsibility in Political Campaigns," Florida Speech Communication Association, October 1980 Convention, Statewide, Invited.

BUCHANAN, RAYMOND W. "Non-Verbal Communication in the Legal Environment: What Do We Know?" Florida Bar Association Meeting, January 1981, Statewide, Invited.

BUCHANAN, RAYMOND W. AND K. PHILLIP TAYLOR "Communication vs. Confrontation," Mid-Winter Conference of the Association of Family Conciliation Courts, December 1980, International, Invited.

DAVIS, ROBERT "How to Put More Creativity Into Public Relations," FPRA State Convention, October 26, 1981, by invitation, Statewide.

FEDLER, FRED "Newspapers, Blacks and Crime: Emphasis on People Not Proverty, Affects Balance." Convention of the Association For Education in Journalism at Boston University, August 1980, National, Refereed

TAYLOR, K. PHILLIP "The Parliamentarian and The Presiding Officer," Florida Speech Communication Association, October 1980 Convention, Statewide, Invited.

TAYLOR, K. PHILLIP "Interaction with The Legal Profession," 1980 Convention of the Speech Association of America, National, Invited.

TAYLOR, K. PHILLIP "The Impact of Voir Dire and the Deliberation Process on Jury Verdicts, 1981 Winter Meeting of the Florida Bar Association, January 1981, Statewide, Invited.

WYCOFF, E. B. "The Professional Public Speaker," Florida Speech Communication Association Convention, October 1980, Statewide, Invited



COMMUNICATION (Continued)

SPECIALIZED PUBLICATIONS - O'Keefe, T. M.

Florida Sportsman Magazine

- "The Shady Side of Bridges" July 1980
- "Snipe, Wet or Dry" January 1981
- "Small Game Bonanza" February 1981
- "Grand Turk Diving" March 1981
- "Jamaica's Spongy Surprise" May 1981
- "Trolling for Trout" June 1981

Sea Magazine/Rudder Magazine

- "Billfishing the Northern Gulf" August 1980
- "Nassau, The Lucky Port" September 1980
- "Spanish Wells" October 1980
- "Diving the Bahamas" October 1980
- "Cruising Guide to San Juan" November 1980
- "How to Take Pictures Underwater" April 1981

Florida Naturalist

- "Raising a Baby Manatee" June 1981

Boating Magazine

- "Mermaids of Crystal River" November 1980

Southern Outdoors

- "Optical Solutions" (Special 6-Part Series) September 1980
- "High Level Hunting" (Special 7-Part Series)
- "Outboards for 81" December 1980
- "The Shrinking of the Fleet" February 1981
- "Billfishing Techniques" February 1981

COMMUNICATION (Continued)

SPECIALIZED PUBLICATIONS - O'Keefe, T. M. (Continued)

Florida Tourist News

- "Sailing Into Spring" April 1981
- "Finding Seminole History" February 1981
- "Florida's Bass Capital" February 1981
- "Clowns of Circus World" March 1981

PROFESSIONAL PAPERS, EXHIBITS, SHOWS,  
PERFORMANCES, SYMPOSIA, SEMINARS OR WORKSHOPS  
PRESENTED IN 1980-81

COMPUTER SCIENCE

COTTRELL, LARRY K, Colleen Fleming, "The Design and Implementation Of A Data Base For Medical Records", 4th Annual Symposium On Computer Applications In Medical Care, Washington, D.C., National, November 5, 1980.

COTTRELL, LARRY K, Kincaid, J. Peter, "Computer Analysis To Enhance The Comprehensibility of Technical Manuals", 19th Annual Southeast Regional ACM Meeting, Atlanta, Georgia, Regional, March 28, 1981.

DRISCOLL, J.R., "The Universal DBMS and Related Research", Computer Science Section, Texas A&M University, College Station, Texas, Local, July, 1980

DRISCOLL, J.R., "The Universal DBMS and Related Research", Computer Science Department, University of Florida, Gainesville, Florida, Local, July 1980.

GERBER, HOMER C. "Use Of The Computer As A Curriculum Concern In Mathematics", Deland, Florida, Local, August 16-22, 1980.

GERBER, HOMER C., Computer Literacy Training. 10-Session Workshop in Computers conducted for elementary school teachers, Orange County, Florida, Local, Spring 1981.

GERSTING, JUDITH L., Alton, E.V., Kuczkowski, J.E., "Fill It, Wrap It, Tie It", National Council of Teachers of Mathematics Name-of-Site meeting, Orlando, Florida, Regional, October 16, 1980.

GERSTING, JUDITH L., "TIC-Tiny Imaginary Computer", National Council of Teachers of Mathematics Name-of-Site meeting, Salt Lake City, Utah, Regional, November 15, 1980.

GERSTING, JUDITH L., Alton, E.V., "Transforming Bulletin Boards Into Mathematics Learning Centers", NCTM Name-of-Site meeting, Salt Lake City, Utah, Regional, November 14, 1980.

GERSTING, JUDITH L., "An Alternative To The Classroom Lecture", Florida Section Meeting, Mathematical Association of America, Daytona Beach, Florida, Regional, March 14, 1981.

COMPUTER SCIENCE (Continued)

GERSTING, JUDITH L., "An Apple For The Teacher: Microcomputers In The Middle School Classroom", NCTM Annual Meeting, St. Louis, Missouri, National, April 24, 1981.

GERSTING, JOHN M., Conneally, P.M., Wexler, N.S., "Huntington's Disease: A Research Roster for Huntington's Disease Patients and Families", Annual Meeting of The American Society of Human Genetics, New York, New York, National, September 1980.

GUHA, R.K., "Requirements Analysis For A User-Oriented Network Job Control Language", Southeast Regional ACM Conference, Regional, 1981.

HUGHES, CHARLES E., "Introduction to Pascal Tutorial", ACM'80, Nashville, TN., National, October 1980.

HUGHES, CHARLES E., "Advanced Pascal Tutorial", ACM '80, Nashville, TN, National, October 1980.

HUGHES, CHARLES E., "Innovative Uses of Microcomputers", Florida Instructional Computer Conference, St. Petersburg, Florida, Regional, February 1981.

HUGHES, CHARLES E., "Computer-Controlled Animation As A Tool In Teaching Very Young Children", University of New Mexico, Regional, March 1981.

HUGHES, CHARLES E., Aiken, Robert M., "Computer Power: A Curriculum For High School Computer Science", NCC'81(National Computer Conference 1981), Chicago, Illinois, National, May 1981.

MUKHOPADHYAY, AMAR, "Hardware Algorithms for String Processing", International Conference on Circuits and Computers, New York, NY., International, October 1-3, 1980.

MUKHOPADHYAY, AMAR, "A Backend Machine Architecture For Information Retrieval", Symposium on Research and Development on Information Retrieval, Cambridge, Massachusetts, International, June 23, 1980.

MUKHOPADHYAY, AMAR, "VLSI Algorithms For Pattern Matching", IBM T.J. Watson Research Center, Yorktown Heights, New York, National, August 4, 1980.

MUKHOPADHYAY, AMAR, "Backend Data Base Machines", Siemens Research Laboratory, Milan, Italy, International, July 1, 1980.

MUKHOPADHYAY, AMAR, "VLSI Architecture", Center For Information Research, University of Florida, Gainesville, Florida, Regional, April 6, 1981.

PROFESSIONAL PAPERS, EXHIBITS, SHOWS  
PERFORMANCES, SYMPOSIA, SEMINARS OR WORKSHOPS  
PRESENTED IN 1980-81

ENGLISH

- ADICKS, RICHARD "The Small Town: Magnet and Storehouse," Second  
Chautauqua in Mississippi: Change and Tradition  
in the American Small Town, Mississippi University,  
April, 1981, national
- BARNES, BETH "The Satiric Poetry of John Oldham," South Atlantic  
Modern Language Association, Atlanta, Nov. 1980,  
national
- DONNELLY, JEROME J. "Fathers and Sons: The Normative Basis of Dryden's  
Absalom and Achitophel," South Atlantic Modern Language  
Association, Nov. 1980, national
- "Humanizing Technology: The Empire Strikes Back with  
a Sideways Glance at Tolkien," Popular Culture Associ-  
ation, March 1981, national
- HARTMAN, SUSAN January 1981, gave a poetry reading and seminar on  
publishing, Hamilton College, New York
- OMANS, STUART "The Versatility of English & Shakespeare's Language,"  
College English Association, University of Michigan,  
April 1981, national
- "A Method of Teaching Shakespeare," Brevard County  
School System, January 1981
- "Shakespeare's Definition of Comic Conflict and You,"  
Volusia County School System, Feb. 1981
- "Shakespeare's Taming of the Shrew and the Battle of  
the Sexes," Volusia County School System, March 1981
- PRICE, MARIAN "How to Teach Paragraph Writing Using Christensen's  
Levels of Generality," Wyoming Conference on Freshman  
and Sophomore English, Laramie, Wyo., July 1980,  
national
- SCHIFFHORST, GERALD J. "Studies at Oxford," Emphasis, UCF, October 1980
- SOMMER, BETTIE "Fieldwork Methodology and Black American Speech,"  
Conference on Language Varieties, Centre for English  
Cultural Tradition and Language; Sheffield, England,  
July 1980, international
- "Prepositions and Determiners: Some Dialectal Variations,"  
South Atlantic Modern Language Association; Atlanta, Nov.  
1980, regional



ENGLISH (Continued)

SOMMER, BETTIE

"On Perpetuation of Black Dialect," Florida College English Association, Winter Park, FL, May 1981, regional

WYATT, WYATT

"Death, Time and the Novel," Sun Coast Writers' Conference, St. Petersburg, FL, January 1981

"Meet the Author," Friend of the Library, Burdines, Orlando, FL, March 1981

"Fear and Writing," Seminole Community College, Orlando, FL March 1981

"Death and the Writer," Space Coast Writers' Conference Titusville, FL, May 1981

Workshops presented:

One week workshop in fiction and poetry, UCF Extended Studies, Summer, 1980

Workshop on the novel, Sun Coast Writers' Conference St. Petersburg, January 1981

Workshop on fiction and verse, Seminole Community College, March 1981

Workshop-panel on fiction, Space Coast Writers' Conference, Titusville, May 1981

PROFESSIONAL PAPERS, EXHIBITS, SHOWS,  
PERFORMANCES, SYMPOSIA, SEMINARS OR WORKSHOPS  
PRESENTED IN 1980-81

FOREIGN LANGUAGES

DIPIERRO, JOHN C., "Watt and the End of Western Rationality",  
Ohio State University, Columbus, Ohio, International Samuel  
Beckett Humanistic Perspectives Symposium, May 7-9, 1981.

PROFESSIONAL PAPERS, EXHIBITS, SHOWS,  
PERFORMANCES, SYMPOSIA, SEMINARS OR WORKSHOPS  
PRESENTED IN 1980-81

HISTORY

- CREPEAU, Richard C., John Betts Honorary Lecture, North American Association for Sport History, Hamilton, Ontario, (International), May, 1981.
- EVANS, John L., "Mission of N. P. Ignatiev to Khiva and Bukhara in 1858," Conference on Russia and Eastern Europe, New College, Sarasota (State), March, 1981.
- FETSCHER, Elmar B., "A. Schmid: German Capitalist, 1834-1848, " Florida Conference of Teachers of History (State), March, 1981.
- GREENHAW, Thomas D., "Establishment of British Flying Training School Number Five at Arcadia/Clewiston in 1941," Florida Conference of Teachers of History (State), March, 1981.
- SHOFNER, Jerrell H., "The Black Press in Florida," National Association for the Study of Negro Life and History, New Orleans (National), October 1980.
- \_\_\_\_\_, "Peonage in the Florida Turpentine Industry, 1880-1950," Joint meeting of Southern Historical Association and Forest History Association, Atlanta (National), November, 1980.

PROFESSIONAL PAPERS, EXHIBITS, SHOWS,  
PERFORMANCES, SYMPOSIA, SEMINARS OR WORKSHOPS  
PRESENTED IN 1980-81

HUMANITIES, PHILOSOPHY AND RELIGION

JONES, DONALD E., "The Mistake of Philosophy," Florida  
Philosophical Association (Regional), November 6, 1981.

PROFESSIONAL PAPERS, EXHIBITS, SHOWS,  
PERFORMANCES, SYMPOSIA, SEMINARS OR WORKSHOPS  
PRESENTED IN 1980-81

MATHEMATICS AND STATISTICS

ANDREWS, L. C., R. L. Phillips, M. A. Belkerdid, J. F. O'Hara, "Measurements of scintillating and fading statistics of a laser beam propagating through turbulence," Presented to Topical Meeting on Coherent Laser Radar for Atmospheric Sensing (National), Aspen, Colo., July 15 - 17, 1980.

ANDREWS, L. C., R. L. Phillips, D. E. Allgaier, S. Gopani, "A theoretical and experimental comparison of cross-correlator performance based upon output signal-to-noise ratios," Presented to Southeastern Symposium on System Theory (Regional), Orlando, Fla., March 26-27, 1981.

ANDREWS, L. C., R. L. Phillips, M. A. Belkerdid, "The effects of atmospheric scattering on an optical communication system using a decoder in the memory," Presented to Southeastern Symposium on System Theory (Regional), Orlando, Fla., March 26-27, 1981.

ARMSTRONG, L. H., "Revision of Mathematics Courses for Elementary School Teachers at UCF," Presented to 1980 NCTM Conference (Regional), Orlando, Fla., Oct., 1980.

BEAN, S. J., P. N. Somerville, "Cloud Cover Models from Satellite Data," Presented to a special seminar at NASA, Langley Research Center (Regional), June 30, 1980.

BEAN, S. J., P. N. Somerville, "Cloud Cover Tape Documentation," Presented to a special seminar at NASA, Langley Research Center (Regional), June 30, 1980.

SHERWOOD, H., "Dominates, a relation on triangular norms," Presented to 19th International Symposium on Functional Equations (International), Universite de Nantes, France, May 3 - 13, 1981.

SOMERVILLE, P. N., S. J. Bean, "A comparison of maximum likelihood and least squares for the estimation of probabilities," Presented to Fourth Symposium on Computational Statistics (International), University of Ediburgh, Scotland, Aug. 18 - 22, 1980.

SOMERVILLE, P. N., S. J. Bean, "Fitting distributions to data, a comparison of maximum likelihood and least squares method," Presented to Florida Chapter, American Statistical Association (Regional), Rollins College, Orlando, Fla., April 3, 1981.



PROFESSIONAL PAPERS, EXHIBITS,  
SHOWS, PERFORMANCES, SEMINARS OR WORKSHOPS  
PRESENTED IN 1980-81

MUSIC

EUBANK, LEE E.

Performances

- Approximately 30 String demonstrations
- Approximately 50 Concerts as orchestral bassist in the Central Florida area.
- 09/21/80 - Basically Baroque - Parent/Spouse Orientation Program
- 03/08/81 - UCF Faculty Artist Series - Chamber Music Concert  
Works by Beethoven and P.D.Q. Bach
- 06/07/81 - UCF Faculty Artist Series - Trout Quintet

FARINA, Anna C.

Performances

- 11/29/80 - UCF Faculty Artist Series
- 11/30/80 - Performance at Loch Haven Art Center
- 04/06/81 - Performance at Contemporary Music Festival - UCF

GARDNER, Jerry

Professional Papers

- 01/08/81 - Florida Music Educators Association, "The Improvement of Breath Functions for Wind Instrument Players - The Physiological Approach." Daytona Beach

Performances

- 10/18/80 - Judge for Band Competition - University of Maryland
- 11/01/80 - Marching Band Performance
- 11/07/80 - Marching Band Performance
- 11/14/80 - Marching Band Performance
- 12/03/80 - UCF Wind Ensemble Concert - Valencia Community College
- 01/31/81 - Seminole County All County Band Guest Conductor - Seminole Comm. College
- 02/06/81 - 02/07/81 - Brevard County All County Band - Brevard Comm. College
- 02/28/81 - Adjudication at FBA District Contest
- 03/03/81 - Concert Band Concert - Aloma Elementary School
- 03/10/81 - Concert Band Concert - Red Bug Elementary School
- 03/08/81 - Wind Ensemble Concert - Student Center Auditorium
- 04/06/81 - Contemporary Music Festival
- 04/26/81 - FLYWE Concert, Student Center Auditorium
- 05/09/81 - Orange County All Jr. High School Band, Howard Junior High School

MUSIC (Continued)

LESKO, Eric

Performances

- 09/09/80 - Lecture/Recital, Orlando Optimist Club, Stetson University
- 11/29/80 - UCF Faculty Artist Series
- 11/30/80 - Performance at Loch Haven Art Center
- 04/07/81 - Soloist for Contemporary Music Festival

MARTELL, Frederick

Performances

- 11/09/80 - UCF Faculty Artist Series
- 11/14/80 - New York Performance, Marriage of Figaro with Opera Ebony
- 12/08/80 - Messiah, Bob Carr Auditorium
- 12/24/80 - New York Performance, Messiah
- 02/13/81 - Brevard Community College Concert
- 02/18/81 - Seminole Community College Concert
- 03/04/81 - Contest Judge - Edgewater High School
- 03/19/81 - Master Class - Edgewater High School
- 04/05/81 - Tampa Oratorio Society
- 04/17/81 - Haydn St. Nicholas Mass - New York Performance
- 04/18/81 - Rossini - Stabert Master - New York Performance
- 04/21/81 - Creation - Tampa Oratorio Society
- 04/26/81 - Creation - Tampa Oratorio Society
- 05/17/81 - St. John Lutheran Church - Messiah

NORTON, John

Performances

- 12/04/80 - UCF Faculty Artist Series - Woodwind Quintet
- 02/22/81 - Chamber Music Concert, Pinewood Series, Bok Tower, Lake Wales
- 12/04/80 - UCF Faculty Artist Series, Woodwind Quintet
- 03/08/81 - UCF Faculty Artist Series, Chamber Music Recital

Workshops

- 01/07/81 - Winter Park High School
- 01/21/81 - Winter Park High School
- 03/06/81 - Kathleen High School, Lakeland

PICKERING, Roy

Performances

- 10/04/80 - Florida Symphony Brass Quintet Performance, Winter Park Mall
- 02/08/81 - Hawthorne Series in Leesburg
- 02/14/81 - Contemporary Hotel, Walt Disney World, with Bob Cross Band
- 02/20/81 - Brevard Community College Performance
- 02/22/81 - Oviedo Methodist Church
- 03/05/81 - Merritt Island High School
- 04/08/81 - Contemporary Music Festival, UCF
- 04/11/81 - Florida Symphony Orchestra
- 05/25-29/81 - International Trombone Workshop at Belmont College in Nashville

MUSIC (Continued)

PICKERING, Roy (Continued)

Workshops

- 11/08/80 - Colonial High School
- 01/27/81 - Winter Park High School
- 01/31/81 - Eastern Trombone Workshop at Florida State University
- 02/16/81 - Seabreeze High School
- 03/12/81 - Colonial High School

POWELL, Steven

Performances

- 12/11/80 - Madrigal Dinners, UCF (12/11-12-13/80)
- 02/15/81 - UCF Faculty Artist Series

Workshops

- 11/12/80 - West Orange High School
- 02/20/80 - Winter Park High School

STENBERG, Patricia

Performances

- 06/15/80 - UCF Concert for High School Oboe Workshop
- 08/13,16,19,and 23/80 - Concert with Bennington Quintet
- 09/21/80 - Basically Baroque - UCF
- 09/26/80 - PFA Convention - Oboe and Recorder Soloist
- 10/16-17/80 - Five concerts with Florida West Coast Symphony
- 11/16/80 - UCF Orchestra Concert
- 11/21-22/80 - FWCSO Concert
- 12/04/80 - UCF Faculty Woodwind Quintet Christmas Concert
- 12/07/80 - Chamber Concert in Sarasota
- 12/28/80 - FWCSO Concert
- 01/16-17/81 - FWCSO Concert
- 01/27/81 - Orange County Honors Orchestra Concert
- 02/13-14/81 - FWCSO Concert
- 02/21/81 - Tampa Opera Company "Tosca"
- 03/08/81 - Chamber Concert at UCF
- 03/17/81 - UCF Orchestra Concert
- 04/3-4/81 - FWCSO Concert
- 04/05/81 - Scholarship Benefit Concert in Sarasota
- 04/10/81 - Oboe Soloist with New College String Quartet in concert at  
New College of the University of South Florida
- 04/12/81 - Oboe Soloist with New College String Quartet in concert at  
FWCSO Music Center in Sarasota
- 04/17/81 - Oboe Soloist with New College String Quartet in concert at UCF
- 04/25/81 - Recorder Quartet Concert at Apopka Art Festival
- 04/28/81 - Recorder Soloist - JERRY EDEN TELEVISION SHOW
- 05/16/81 - UCF Orchestra Concert
- 05/26/81 - UCF Chamber Orchestra Concert

MUSIC (Continued)

STENBERG, Patricia (Continued)

Workshops

- 06/15-20/80 - High School Oboe Workshop - UCF
- 08/10-24/80 - Bennington, Vermont Chamber Music Conference
- 01/21/81 - Winter Park High School
- 01/27/81 - Orange County Honors Orchestra
- 03/06/81 - Seabreeze High School, Daytona Beach
- 03/12/81 - Colonial High School

SZABO, Burt

Workshops

- 08/11-15/80 - Western Missouri State College - Seminar - Music Arrangement  
SPEBSQSA
- 06/10-13/80 - Kinyon College, Music Arrangement - SPEBSQSA
- 01/23-15/80 - UCF Seminar - Music Arrangement - SPEBSQSA

Musical Compositions completed:

1. From the Jade Terrace; 8 songs on ancient chinese texts; for soprano with piano and flute.
2. Five songs for Baritone and Piano; texts by Hermann Hesse.
3. "Worthy Art Thou to be Praised"; Anthem for mixed choir.

WHISLER, Bruce

Performances

- 03/08/81 - Lecture/Reading "P.D.Q. Bach ... why? The unanswered question."
- 03/25/81 - Panelist, Southern Chapter of the College Music Society,  
Baton Rouge, LA "Unionism in Higher Education".



## MUSIC (Continued)

WOLF, Gary

### Performances

- 07/15/80 - Faculty Concert - National Music Camp, Interlochen. Kresge Auditorium. Performed Prelude, Chorale and Fuge by C. Franck.
- 07/27/80 - Special music - violin and piano - works of Mozart. Interlochen Service - Kresge Auditorium.
- 07/29/80 - Faculty Concert, NMC, Performed harpsichord in Baroque Ensemble - Jessie V. Stone Building
- 08/06/80 - Faculty Concert, NMC, Performed Scenes from Childhood by Schumann - Kresge Auditorium.
- 09/21/80 - Basically Baroque Ensemble at Parent/Spouse Orientation, UCF.
- 11/02/80 - Solo Piano Recital - Schoolcraft College, Livonia, Michigan
- 11/04/80 - Solo Piano Recital - School of Music, University of Michigan, Ann Arbor
- 11/10/80 - Pianist on Independent and College Teachers Recital - FSMTA Convention - University of South Florida, Tampa.
- 12/04/80 - Performance with Faculty Woodwind Quintet, UCF.
- 12/09/80 - UCF Faculty Artist Series. Pianist with Fred Martell, Tenor.
- 01/13/81 - Lecture/Recital for Orlando Music Club - "An Overview of Latin American Music
- 01/14/81 - Lecture/Recital for Jacksonville Music Teachers Association - "Beethoven's Other Piano Works" - Jacksonville University
- 01/31/81 - Solo Piano Recital - Benefit for Central Florida Music Teachers Association - Bush Auditorium, Rollins College
- 02/08/81 - Pianist with Doris Butsch, soprano, Pinewood Series, Bok Tower, Lake Wales
- 02/13/81 - Pianist with Fred Martell, tenor, Brevard Community College
- 02/15/81 - Pianist with Steven Powell, baritone, UCF Faculty Artist Series
- 02/18/81 - Pianist with Fred Martell, tenor, Seminole Community College
- 02/22/81 - Chamber Music Recital, Pinewood Series, Bok Tower, Lake Wales
- 03/19/81 - Solo Piano Recital, Manatee Junior College, Bradenton, FL - sponsored by Manatee Junior College and District VII FSMTA
- 03/30/81 - Performance with Sabina Micarelli, violin, for the Annual Meeting of the UCF Foundation Awards Banquet, Citrus Club, Orlando
- 4/6-8/81 - 9th Annual Festival of Contemporary Music - planned and coordinated this event - performed with pianist John Hillebrandt and percussionists Bartok's Sonata for Two Pianos and Percussion
- 04/19/81 - Solo Piano Recital, Westminster Towers, Orlando
- 04/22/81 - Pianist with Fred Martell, St. Petersburg Junior College
- 04/24/81 - Faculty Artist Series, Sabina Micarelli, Violin
- 05/17/81 - Solo Piano Recital, sponsored by the Melbourne Music Club
- 05/20/81 - Solo Piano Recital - guest artist for the Florida Federation of Music Clubs - Annual State Meeting, Altamonte Springs
- 05/31/81 - UCF Faculty Artist Series, Trout Quintet
- 06/18/81 - Lecture/Recital on the Piano Works of Max Reger, Matthay Piano Festival, San Jose State University, San Jose
- 06/18/81 - Final Evening Recital for the Matthay Piano Festival, San Jose

### Workshops and Clinics Presented

- 11/01/80 - Master Class for Piano Students - Schoolcraft College, Livonia, Mich.
- 11/03/80 - Workshop for Detroit/Ann Arbor area piano teachers - Schoolcraft, Livonia, Michigan
- 01/27/81 - Member of Panel for Orange County Orchestra Clinic - Winter Park High School



MUSIC (Continued)

WOLF, Gary (Continued)

Workshops

- 02/01/81 - Master Class for benefit for CFMTA - Keene Hall, Rollins College
- 03/15/81 - Workshop and lecture for the Broward Music Teachers Association, Ft. Lauderdale
- 03/20/81 - Workshop and lecture for District VII FSMTA One-Day Convention, Manatee Junior College, Bradenton, Florida
- 07/10-13/81 - Annual Piano Workshop, UCF

WRANCHER, Elizabeth, Associate Professor

Performances

- 10/18/80 - UCF Faculty Artist Series
- 11/30/80 - Soloist with UCF Chorus
- 11/27/80 - House Concert in St. Petersburg
- 12/04/80 - Christmas Program for Y.E.S. Group, Maitland
- 12/21/80 - St. Andrews Methodist Church
- 12/28/80 - Grace United Methodist Church
- 02/18/81 - First Baptist Church Revival
- 03/02/81 - Jackson Jr. High School
- 03/17/81 - Asbury Artist Series Concert

PROFESSIONAL PAPERS, EXHIBITS, SHOWS,  
PERFORMANCES, SYMPOSIA, SEMINARS OR WORKSHOPS  
PRESENTED IN 1980-81

PHYSICS

- BOLEMON, J. S., "Mirages," APS-AAPT Meeting, New York, national, January, 1981.
- "Mirages," Sigma Xi Lecture, UCF, local, March, 1981.
- "The Voyager Photos," live discussion on Channel 2 News, local, November, 1980.
- "Saturn," Central Florida Astronomy Club Lecture, local, August, 1980.
- "Things You've Never Seen Before," Southeastern Astronomical League, local, July, 1980.
- BRENNAN, J. J., "Physical Science Activities in 4th-9th Grades," Seminole County Mini-Services Convention for Teachers, local, August, 1980.
- "Physical Science Activities in 4th-6th Grades," Seminole County Mini-Service Convention for Teachers, local, August, 1980.
- "An Effective Summer Physical Science Course for 4th-8th Grade Teachers," APS-AAPT Meeting, New York, national, January, 1981.
- "Optics," workshop for Volusia County Teachers, UCF, local, September, 1980.
- With J. A. Meyers, "Microcomputers in the High School Physics Classroom," AAPT, Orlando, regional, May, 1981.
- HUDSON, G. M., "Atmospheric Impact of Launch Activities at Cape Kennedy," CEES Department, UCF, local, May, 1980.
- "The Proton Induced X-ray Emission Analysis System at FSU Applied to Air Particulate Pollution," Argonne National Lab., regional, July, 1980.
- "The PIXE-MET Connection," American Meteorological Society, Cocoa Beach, regional, September, 1980.
- "Shuttle Environmental Effects," Kennedy Space Center, local, October, 1980.
- With S. Bauman and J. W. Nelson, "An Ion Beam Analysis Facility," Sixth Conference on Applications of Small Accelerators in Research & Industry," Denton, Texas, national, November, 1980.

PHYSICS (Continued)

HUDSON, G. M., With B. Lynd, W. McCord, A. Dickison, "Physics Olympics 1981," AAPT, Orlando, regional, May, 1981.

LLEWELLYN, R. A., "Measurement of Very Low Level Radioactivity in the Environment from PRC Weapons Tests," AAPT, Orlando, regional, May, 1981.

MEYERS, J. A., "Computer(ing) on a Tight Budget," AAPT, Orlando, regional, May, 1981.

With J. J. Brennan, "Microcomputers in the High School Physics Classroom," AAPT, Orlando, regional, May, 1981.

"What's New in Science," workshop in computers and digital electronics, Seminole County Board of Education, local, August, 1980.

NOON, J. H., "Open Book Testing in Freshman Physics," Southeastern Section Meeting of American Physical Society, Chapel Hill, N.C., regional, November, 1980.

"A Student Laser Project," AAPT, Orlando, regional, May, 1981.

OELFKE, W. C., "Back-Action Evading Techniques for Gravitational Radiation Detection Applied to the Parametric Accelerometer," 10th Texas Symposium on Relativistic Astrophysics, Baltimore, Md., international, December, 1980.

"Experimental Methods in Quantum Non-Demolition," National Bureau of Standards, national, December, 1980.

"Operation of an Ultra-sensitive Superconducting Accelerometer," Applied Superconductivity Conference, Santa Fe, N.M., national, September, 1980.

PROFESSIONAL PAPERS, EXHIBITS, SHOWS, PERFORMANCES,  
SYMPOSIA, SEMINARS OR WORKSHOP PRESENTED  
IN 1980-81

POLITICAL SCIENCE

- BLEDSOE, ROBERT L. "Congress and Defense: The House and Senate Armed Services Committees," Southwest Political Science Association, Dallas, March 1981. (refereed, regional)
- BLEDSOE, ROBERT L. (co-author) "Transmission of Information on Foreign Policy Issues to Elite and Mass Publics: A Content Analysis," International Studies Association/South, Atlanta, October 1980. (refereed, regional)
- BLEDSOE, ROBERT L. (Facilitator) UCF ALERT Conference on "Intercultural Communications" 4/16/81.
- BLEDSOE, ROBERT L. Speech before the American Institute of Aeronautics and Astronautics--"The F-X Decision: Rationale and Implications for U.S. Industry" 8/26/80, Washington, DC.
- BLEDSOE, ROBERT L. Speech before the American Institute of Aeronautics and Astronautics--"The F-X Program: An Industry Assessment", 11/18/80, Los Angeles.
- HANDBERG, ROGER (co-author) Party Reform and Party Change, presented at Annual Meeting of the Midwest Political Science Association, Cincinnati, April 1981. (national)
- HANDBERG, ROGER (co-author) Public Opinion and Western Political Man, presented at Annual Meeting of the Southwest Political Science Association, Dallas, March 1981. (national)
- HANDBERG, ROGER (co-author) Corrections Policy in Rural and Small Town America, presented at Annual Meeting of the Academy of Criminal Justice Sciences, Philadelphia, March 1981. (national)
- HANDBERG, ROGER (co-author) Media Use, Motivation, and Political Learning, presented at Annual Meeting of the Midwest Association for Public Opinion Research, Chicago, December 1980. (regional)
- HANDBERG, ROGER (co-author) The New Participants in the New Party Processes: Who Are They and What Do They Think?, presented at the 1980 Annual Meeting of the Southern Political Science Association, Atlanta, Georgia, November 1980. (national)
- HANDBERG, ROGER (co-author) Transmission of Information on Foreign Policy Issues to Elite and Mass Publics: A Content Analysis of Selected Periodicals, presented at Annual Meeting of the International Studies Association, Southern Region, Atlanta, October 1980. (regional)



POLITICAL SCIENCE (Continued)

- LILIE, STUART A. "Is There Politics After the State? Some Thoughts on Interpretations of Marx's View of Politics," delivered as part of participation in the NEH Summer Seminar, University of Southern California, Summer 1980.
- MADDOX, WILLIAM S. (co-author) "Transmission of Information on Foreign Policy to Elite and Mass Publics: A Content Analysis of Selected Periodicals," presented at Annual Meeting of the International Studies Association, Southern Region, Atlanta, Georgia, October 1980. (regional)
- MADDOX, WILLIAM S. (co-author) "The New Participants in the New Party Processes: Who Are they and What Do They Think?" presented at the Annual Meeting of the Southern Political Science Association, Atlanta, Georgia, November 1980. (regional)
- MADDOX, WILLIAM S. (co-author) "Mass Media Use and Socialization to the Electoral Process," presented at the Annual Meeting of the Midwest Association of Public Opinion Research, Chicago, IL, December 1980. (regional)
- MADDOX, WILLIAM S. (co-author) "Media Use, Motivation, and Political Learning," presented at the Annual Meeting of the Midwest Association of Public Opinion Research, Chicago, IL, December 1980. (regional)
- MADDOX, WILLIAM S. (co-author) "Public Opinion and Western Political Man," presented at Southwest Political Science Association, Dallas, TX, March 1981. (regional)
- MORALES, WALTRAUD Q. "Motivations of Cuban Military Internationalism," Latin American Studies Association, Indiana University, Bloomington, Indiana, October 17-19, 1980. (national)
- MORALES, WALTRAUD Q. "The Influence of Hispanics on American Foreign Policy: An Emerging Ethnic Interest Group," Southern Political Science Association, Atlanta, Georgia, November 6-8, 1980. (regional)
- MORALES, WALTRAUD Q. (Discussant) "Alternative Development Strategies," Joint Meeting of the International Studies Association/West, and the Western Political Science Association, March 26-28, 1981, Denver, Colorado. (regional)
- STERN, MARK (co-author) "The New Participants in the New Party Processes," paper presented at the November 1980 Annual Meeting of the Southern Political Science Association.
- STERN, MARK (co-author) "Party Reform and Party Change," paper presented at April 1981 Annual Meeting of the Midwest Political Science Association.
- STERN, MARK (Chairperson) Social Science Section, Florida Academy of Sciences (chaired and organized panel and paper presentations for Spring 1981 Annual Meeting).
- STERN, MARK Paper on "Assessing the Impact of the 1965 Voting Rights Act" accepted for use in preparation of U.S. House and Senate 1981 Hearings on the extension of the Voting Rights Act.



PROFESSIONAL PAPERS, EXHIBITS, SHOWS  
PERFORMANCES, SYMPOSIA, SEMINARS OR WORKSHOPS  
PRESENTED IN 1980-81

PSYCHOLOGY

- ABBOTT, D. W. Vasomotor, Rhinitis: A Case Study of Treatment with EMG and Temperature Biofeedback (with B. Blau and D. Cunningham). Southeastern Psychological Association, Atlanta, Georgia, March 27, 1981. Refereed Regional.
- BLAU, B. I. Prediction of Football Playing Ability in spring training through the use of psychobiomotor assessment (with M. Secunda, W. Burroughs, and J. McGuire). FPA, Sarasota, Florida, May 29, 1980, SEPA, Atlanta, Georgia, March 26, 1981. State, peer review and refereed regional.
- BLAU, B. I., Self-Disclosure as a function of three levels of confidentiality. An analogue Study (with J. McGuire and B. Kobocow). SEPA, Atlanta, Georgia, March 28, 1981. Refereed regional.
- BLAU, B. I., Vasomotor Rhinitis: A case study of treatment with EMG and temperature biofeedback (with D. Cunningham and D. Abbott). SEPA, Atlanta, Georgia, March 26, 1981, refereed, regional.
- BLAU, B. I. Workers' Compensation Nurses Association, Biofeedback Applications: Lecture and Demonstration, Orlando, Florida, October 31, 1980.
- BLAU, B. I. Lake Sumter Mental Health Center, Psychodynamic Psychotherapy Supervision: In-Service Training, Eustis, Florida, March 3, 1981.
- BROPHY, J. C. Development and evaluation of computer assisted instructional materials for Research Methods and Physiological Psychology, April 6-13, 1981.
- BURROUGHS, W. A. Evaluation of a visual training technique for collegiate baseball batters. SEPA, March 26, 1981.
- BURROUGHS, W. A. Prediction of football playing ability in spring training tryouts through the use of psychobiomotor assessment (M. Secunda, B. Blau & J. McGuire) SEPA, March 26, 1981.
- CONNALLY, R. E. Effect of peer tutorials on test performance. Third National Institute on the Teaching of Psychology to Undergraduates, Clearwater Beach, Florida, January 8-10, 1981.
- GUEST, S. S. North-South Urban-Rural Conflicts among Florida Convention Delegates (with M. Stern, R. Handberg & W. Maddox) Presented at Florida Academy of Sciences Annual Conference, Orlando, Florida May 2, 1981.

PSYCHOLOGY (Continued)

GUEST, S. S. Sex Differences in Personal and Psychological Characteristics of Delegates to State Party Conventions. (with M. Stern, R. Handberg, and W. Maddox) Presented at Florida Political Science Association, Orlando, Florida, April 24, 1981. Refereed, State.

GUEST, S. S. Race and Sex Differences in Political and Personal Characteristics of State Convention Delegates (with M. Stern R. Handberg and W. Maddox). To be presented at National Women Studies Association Conference, Storrs, Connecticut, June 2, 1981. Refereed, National.

GUEST, S. S. Party Reforms and Party Activists in 1980 (with M. Stern, R. Handberg and W. Maddox) Midwest Political Science Association, Cincinnati, Ohio. April 16, 1981, refereed, regional.

GUEST, S. S., An Investigation of Sex Role Orientation, Sexual History, and Personal/Family Characteristics among Pregnant Women (with A. Diebel and J. McGuire). 1981 Association for Women in Psychology National Conference, Boston, Mass. March 7, 1981. Refereed, National.

GUEST, S. S. Sexual Adjustment and Sex Role Orientation in Pregnancy (with A. Diebel and J. McGuire) Presented at Association for Women in Psychology National Conference, Boston, Mass. March 7, 1981. Refereed, National.

GUEST, S. S. Investigation of Personal/Family Characteristic Sex Role Orientation and Sexual History of Pregnant Women (with A. Diebel and J. McGuire) Presented at Southeastern Psychological Association in Atlanta, Georgia March 26, 1981, regional, refereed.

GUEST, S. S. Sex Role Orientation and Sexual Adjustment in Pregnancy (with A. Diebel and J. McGuire). Presented at Southeastern Psychological Association, Atlanta, Georgia March 25, 1981. Award winning paper, peer reviewed, regional.

GUEST, S.S. Women's Political Participation as Delegates to State Party Conventions (with M. Stern, R. Handberg, W. Maddox) Presented at Southern Scholars on Women conference and Southeastern Women's Studies Association conference, Atlanta, Georgia, March 5, 1981. Peer reviewed, regional.

GUEST, S.S. Characteristics of Women Delegates to the Florida State Conventions. Presented at Women in Politics Educational Seminar, Orlando, Florida, January 8, 1981. Invited address.

GUEST, S. S. The New Participants in the New Party Processes: Who Are They and What do They Think? (with M. Stern R. Handberg and W. Maddox) Presented at Southern Political Science Association, Atlanta, Georgia, November 7, 1980. Peer reviewed, National.

PSYCHOLOGY (Continued)

GUEST, S. S. Assertiveness Training Workshop for students, faculty and staff at UCF, conducted February 18, 1981.

GUEST, S. S. Moderator for Social Sciences paper section at Florida Academy of Science Annual Conference May 1, 1981, Orlando, Florida.

GUEST, S. S. Suicide and Depression Workshop for We Care Volunteers, Summer and Fall, 1980.

McGUIRE, J. M. Sex-Role Orientation and Sexual Adjustment in Pregnancy (with A. Diebel and S. Guest) Association for Women in Psychology, Spring Annual Meeting, 1981, Boston, Massachusetts, National, Refereed)

McGUIRE, J. M. An Investigation of Sex Role Orientation, Sexual History and Personal/Family Characteristics in Pregnant Women (with A. Diebel, S. Guest) Association for Women in Psychology Annual meeting, Boston Massachusetts Spring, 1981, National, Refereed, SEPA, Atlanta, Georgia, Spring, 1981, regional, refereed.

McGUIRE, J. M. Prediction of football-playing ability in back-field tryouts through the use of psychobiomotor assessment (with M. Secunda & B. Blau) SEPA, Atlanta, Georgia, Spring, 1981, Regional, refereed.

McGUIRE, J. M. Self-disclosure as a functional of three levels of confidentiality: An analogue study (with B. Blau & B. Kobocow) SEPA, Spring, 1981, Atlanta, Georgia, regional, refereed.

TELL, P. M. The Relationship Between Behavior Therapy and Hypnosis, Florida Association of Professional Hypnosis, November, 1980, Daytona Beach, Florida.

TELL, P. M. Behavioral Perspectives on Neurotic Disorders, Division of Vocational Rehabilitation of HRS, Orlando, Florida, February, 1981.

TELL, P. M. The Stress of Marital Separation and Divorce, Summer Mental Health Series, Orlando Regional Medical Center, Summer, 1980.

TUCKER, R. D. The Comparative Effects of Self-evaluation and Self-reinforcement Training in the Treatment of Depression (with D. Tressler) Association for the Advancement of Behavior Therapy, New York, November, 1980.

TUCKER, R. D. Chair symposium on the Status of the Terminal Masters Program in Psychology. Association of Heads of Departments of Psychology, Southeastern Psychological Association, Atlanta, Georgia, December, 1980.

PSYCHOLOGY (Continued)

WIENCLAW, R. A. Chaired paper session on instructional technology, Second Inter-Service/Industry Training Equipment Conference, Salt Lake City, Utah, November, 1980.

WIENCLAW, R. A. Panel discussant: Industrial System Development--Directions for the '80's. Second Interservice/Industry Training Equipment Conference, Salt Lake City, Utah, November, 1980.

WIENCLAW, R. A. Symposium chair: Team Building Interventions: Problems and Promise, Southeastern Psychological Association Conference, Atlanta, Georgia, March, 1981.

WIENCLAW, R. A. Relative success of various techniques used in team building interventions. Presentation to Southeastern Psychological Association Convention, Atlanta, Georgia, March, 1981.

ZEGMAN, M. A. Sedentary Lifestyles, Association for Advancement of Behavior Therapy, New York, November, 1980, refereed, national.

ZEGMAN, M. A. Exercise Adherence: Impact of Feedback, Praise and Goal-Setting Procedures (with A. Katell, J. Martin & J. Webster) Association for Advancement of Behavior Therapy, New York, November, 1980, refereed, national.

ZEGMAN, M. A. Adherence to Behavioral Weight Reduction Programs: Assessment of Weekly Adherence Scores and Relationships to Weight Loss (with H. Wildman) Association for Advancement of Behavior Therapy, New York, November, 1980, refereed, national.

ZEGMAN, M. A. The Role of Exercise in the Behavioral Treatment of Obesity: Multivariate Analysis of Posttreatment and Six-Month Follow-up Results (with P. Dubbert, S. Lamon and G. Wilson) Society of Behavioral Medicine, New York, November, 1980, refereed, national.

ZEGMAN, M. A. Enhancing Exercise Adherence and Skill Level (with J. Martin, A. Katell and J. Webster) Society of Behavioral Medicine, New York, November, 1980, refereed, national.

ZEGMAN, M. A. Developing Job Maintenance Skills Through Social Skills Training (with J. Black, F. Massey, and R. Cunningham) Southeastern Psychological Association, Atlanta, Georgia, March, 1981, refereed, regional.

ZEGMAN, M. A. Assessment of Adherence to Eating and Exercise Components in a Behavioral Weight Control Program (with H. Wildman) Southeastern Psychological Association, Atlanta, Georgia, March, 1981, refereed, regional.



PSYCHOLOGY (Continued)

ZEGMAN, M. A. Assertiveness training workshop, UCF campus, February, 1981 (with S. Guest)

ZEGMAN, M. A. Presentation on behavioral weight control, Florida Institute of Technology, Melbourne, Florida, May 22, 1981.



PROFESSIONAL PAPERS, EXHIBITS, SHOWS  
PERFORMANCES, SYMPOSIA, SEMINARS OR WORKSHOPS  
PRESENTED IN 1980-81

PUBLIC SERVICE ADMINISTRATION

PAPERS

AMMONS, JAMES H., "The Influence of Black City Council Members in Intergovernmental Relations," Southwest Social Sciences Association Annual Meeting, Dallas, Texas, March 26, 1981 (regional in scope).

BECKER, DONALD C., "Security Management: An Innovative Instructional Approach," 26th Annual Seminar of the American Society for Industrial Security, Miami, Florida, September 22-26, 1981 (national).

BECKER, DONALD, C., "Innovative Practices in Criminal Justice Education," Twelfth Annual Southeast Regional Conference on Public Administration, Orlando, October 16, 1981 (regional).

BECKER, DONALD C., "Security Management in the Criminal Justice Curriculum," Annual Meeting of the Midwestern Association of Criminal Justice Educators, Chicago, Ill., October 23, 1981 (regional).

DUFFEY, JEFFERSON S., "Juvenile Arbitration in Florida's 18th Judicial Circuit, "Preliminary Findings," Twelfth Annual Southeast Regional Conference on Public Administration, Orlando, October 17, 1981 (regional).

PYLE, RANSFORD C., and YOUNG, WILLIAM W., with DRS. CHARLES DZUIBAN and DAVID HERNANDEZ, "Ethnometry: A Model of Applied Ethnography," Second Annual Ethnography in Educational Research Forum, Philadelphia, PA., March 1981 (national).

SEMINARS OR WORKSHOPS CONDUCTED

CARTER, PATRICIA W., two workshops on legal research for Florida Legal Assistants, Inc., Daytona Beach, & Kissimmee, June, 1980, and September, 1980.

CARTER, PATRICIA W., Symposium on "Use of Legal Assistants", for Legal Counsel Conference, Martin-Marietta Aerospace Co., Orlando, December 3, 1980.

CARTER, PATRICIA W., two workshops on employment discrimination for Hadassah, Orlando, Florida, December, 1980.

PUBLIC SERVICE ADMINISTRATION (Continued)

SEMINARS OR WORKSHOPS CONDUCTED (Continued)

DUFFEY, JEFFERSON S., workshop on "Budget and Finance for Police Executives", for Florida Institute for Law Enforcement, Fort Lauderdale, April 3, 1981.

DUFFEY, JEFFERSON S., seminar on "Politics of Planning," Department of Community Affairs Training Conference for State Planning Officials, UCF Campus, April 1, 1981.

SLAUGHTER, DAVID B., two seminars on "Legal Rights of Gay Persons," Florida Gay Conference, May 24, 1980 in Tampa and again on May 24, 1981 in Orlando.

STALNAKER, FAITH K., two workshops on estate planning for Hadassah, Orlando, Florida, December, 1980.

PUBLIC PRESENTATIONS/EXHIBITS/SHOWS

DUFFEY, JEFFERSON S., "Should the Unionization of Public Employees Be Prohibited?" Debate vs. Ken Megill on Pro and Con, WFTV, Channel 9, Orlando, November 23, 1980.

DUFFEY, JEFFERSON S., "Legislative Issues in Florida" on Thirty Minutes, WDBO-TV, Channel 6, Orlando, September 4, 1980.

JONES, RONALD M. and CARTER, LUTHER F., arranged and conducted a special tour of administrative facilities of NASA Kennedy Space Center for public administrators attending the Twelfth Annual Southeast Conference for Public Administration, Orlando, October 17, 1980.

PROFESSIONAL PAPERS, EXHIBITS, SHOWS,  
PERFORMANCES, SYMPOSIA, SEMINARS OR WORKSHOPS  
PRESENTED IN 1980-81

SOCIOLOGY

ABEL, EILEEN MAZUR

"Communication Skills for Helping," presented at the Training Program for the Guardian Ad Litem Project, Seminole County, FL. Winter, 1981.

ABEL, EILEEN MAZUR

"Beginning Social Work Skills," presented at In-Service Training Workshop, Department of HRS, District 7, Orlando, FL. Summer, 1980.

ABEL EILEEN MAZUR

"Assertiveness Training," a workshop for District 4, Department of HRS as part of The Institute of Social and Behavioral Research, Summer, 1980.

ABEL, EILEEN MAZUR

"Myths of Aging," a seminar for student nurses, Orlando, FL. Fall 1980.

ABEL, EILEEN MAZUR

"The Impact of Sexism on Social Work Education and Practice," a Faculty Development Workshop, UCF, Orlando, FL. Spring 1981.

BROWN, WILLIAM R.

"Intergrating Macro and Micro Levels of Analysis via a Cybernetic Process Model." Paper presented at the Annual National Meeting of the American Sociological Association in New York. August, 1980. (17 pp)

BROWN, WILLIAM R.; COOK, IDA J.; ROSSI, PETER H.

"Preliminary Findings from the 1980 ASA Membership Survey." Paper presented at Annual National Meeting of the American Sociological Association in New York city. August, 1980. (21pp)

BROWN, WILLIAM R.

"Practical approaches to Human Concerns" Keynote Address to Regional Conference of Prevention of Alcoholism and Drug Dependency, Orlando, Florida. March, 1981 (5pp)

BROWN, WILLIAM R.

"Defusing Conflict Situations" Workshop for State YMCA Staff, Annual Meeting, Sebring, Florida. May, 1981. (10pp)

COOK, IDA J.

Two workshops on Applied Sociology at the Southern Sociological Society Meeting in Louisville, KY. April 1981.

DEES, DAVID R.

"Commercial and Non-Commercial Strains in Bluegrass Music," Southern Popular Culture Association, Winston-Salem, North Carolina, October, 1980. Refereed regional association.

DEES, DAVID R.

"Contradictions in Contemporary Popular Music," Southern Sociological Society, Louisville, KY, April, 1981, refereed regional association.

SOCIOLOGY (Continued)

HODGIN, JOHN E.

"Mother-Child Dyads in Emergent Settings". Paper presented at the Annual Conference of the Alliance of Family Therapy and Family Research, in Tallahassee. April 2-4, 1981. Presented also at the Annual Meeting of the Florida Council on Family Relations in Clearwater, Florida. May 3-5, 1981.

HODGIN, JOHN E.

Six day workshop on Interviewing and Counseling with Clergymen. Orlando Catholic Diocese. University of Central Florida.

KAZMERSKI, KENNETH J.

"Educating the Social Worker of Today." National Association of Social Workers, Central Florida Region. October 27, 1980.

KAZMERSKI, KENNETH J. and ABEL, EILEEN MAZUR

"Classroom Effects of Sexism: Interventions in an Environment of Limited Student and Financial Resources." Council on Social Work Education, National Conference, March 1981.

KAZMERSKI, KENNETH J. and WILSON, LINDA

"Social Work Education: Current and Future Trends." Open Forum Y106 Radio. March 29, 1981.

STEARMAN, ALLYN M.

"Colonization and the Tropical Ecosystem of Bolivia." Annual Meeting of the Latin American Studies Association. Symposium on The Ecology of the Amazon in the Process of Development. Bloomington, Indiana. October 17-19, 1980.

STEARMAN, ALLYN M.

"Occupational Strategies Among Urban Migrants in Lowland Bolivia." Florida Academy of Sciences. Orlando, May 2, 1981.

UNKOVIC, CHARLES M. and HANDBERG, ROGER

"Corrections Policy in Rural and Small Town America," presented to the session on Issues and Policy in Corrections, at the Academy of Criminal Justice Sciences, Philadelphia, March 13, 1981. Refereed National.

UNKOVIC, CHARLES M.

"Violent Behavior and Alcoholism," presented to the Department of Neurology, Psychiatry, Alcoholism and Other Dependencies, at the University of Zabreb, Yugoslavia. May 20, 1981. Refereed International.

UNKOVIC, CHARLES M.

"The Alcoholic Personality" presented to the National Conference for the Prevention of Alcoholism and Drug Dependency, Orlando, March 11, 1981, Refereed National.

SOCIOLOGY (Continued)

TROPF, WALTER D.

"The Effect of Remarriage on Child Support & Personal Contacts". Southeastern Council on Family Relations at Blacksburg, VA. March 29, 1981

TROPF, WALTER D.

Panel participant "Fathering After Divorce". Florida Council on Family Relations, Clearwater, Florida. May 5, 1981.

TROPF, WALTER D.

Discussion Leader 23rd Annual Child Care Workshop, Florida Group Child Care Association. Orlando, Florida. May 12, 1981.

TROPF, WALTER D.

"Fathering After Divorce". Longwood Sertoma Club. August 19, 1981

TROPF, WALTER D.

"Divorce in America" presented to the Winter Park Jaycees. April 8, 1981.



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THEATRE

IPPOLITO, JOSEPH, Directed Deadwood Dick, UCF, Fall 1980.

IPPOLITO, JOSEPH, Scenery design, Deadwood Dick, The Tempest and Dames at Sea, UCF, 1980-81.

SMITH, HARRY, presented paper "Mielziner and Williams - The Memory Plays," the Williams' symposium, Rollins College, March 27, 1981.

WELSCH, ANNE, Directed The Tempest, UCF, Winter 1981.

WELSCH, Anne, roles in Valencia Community College Productions "You Can't Take It With You", "Guys and Dolls", and "A Country Wife".

WELSCH, ANNE, roles in Children's Productions "Peter, Peter Pumpkin Eater" and "Magic Theatre".