1983

Research & scholarly achievements, July 1, 1982 - June 30, 1983

University of Central Florida

Find similar works at: https://stars.library.ucf.edu/researchactivities
University of Central Florida Libraries http://library.ucf.edu

This Report is brought to you for free and open access by the University Archives at STARS. It has been accepted for inclusion in Research Activities & Annual Reports by an authorized administrator of STARS. For more information, please contact STARS@ucf.edu.

Recommended Citation
https://stars.library.ucf.edu/researchactivities/12
Research & Scholarly Achievements

July 1, 1982 — June 30, 1983

University of Central Florida
TABLE OF CONTENTS

PREFACE ........................................... i

BOOKS AND MONOGRAPHS ........................... 1

ARTICLES - International Journals ............... 4
  - Regional Journals ............................ 14

OTHER SCHOLARLY WORKS ........................... 17

CREATIVE WORKS - Exhibits, Performances .......... 28

PRESENTATIONS - International Meetings ........... 34
  - Regional Meetings ............................ 49
  - Seminars .................................... 64

GRANTS AND CONTRACTS - Externally Funded .......... 72
  - Internally Funded ............................ 78
1. Introduction

This publication is the second annual summary of scholarly activities at the University of Central Florida. It is for the period from July 1, 1982 to June 30, 1983. It is intended that this report highlight the contributions to scholarship by the faculty during this period.

It is clear that this listing cannot be complete in the sense of providing a comprehensive compilation. Research endeavors do not begin, nor do they end, on a specific date. Much of the work reported here was begun before July 1, 1982. Much of the work done during this year will be formally reported after June 30, 1983.

Classroom teaching is often a scholarly activity. Yet, we know of no totally satisfactory way of evaluating its scholarly content. A variety of other faculty activities, many of which have a scholarly aspect, have been designated as service activities and thus have been excluded.

A number of other worthwhile (and often scholarly) activities have been excluded by the unanimous decision of the Faculty Committee which set up the original guidelines. These exclusions include: professional consulting, journal reviews, holding office in a national association, chairing meeting sessions, workshops, newsletters, copyrights and product development. A rule of thumb for inclusion is that the written, or oral, scholarly activity be prepared for an audience of professional peers on a subject in one's area of professional expertise.

At first glance, performances—whether they be an artist's exhibit, a musician's performance or a dramatic work enacted on a stage—do not fulfill this criterion of peer review since the bulk of one's audience is the general public. However, it is the viewpoint of the Committee on Publications that in order to be invited for such a performance, one has to have been evaluated and judged by one's peers before exposure to a general audience. It is for these same reasons that any such performance taking place on the UCF campus has been excluded.

Finally, in the area of Grants and Contracts it is self-evident—especially to those who have applied and not received funding—that there is a major component of peer-review involved here.

2. Organization

A representative committee of faculty was appointed to assist in setting up guidelines for this publication. The Annual Research Reports prepared by each of the five academic colleges along with grant and contract information from the Office of Sponsored Research served as primary reference sources.

The Publication Committee met with the Graduate Dean and they have set up the following guidelines for the classification of the scholarly activities to be included in this publication.
I. Publications
   A. Books and Monographs
   B. Articles, Peer-Refereed
      1. International or National Journals
      2. Regional or State Journals
   C. Other Scholarly Work
      Work in this category need not necessarily have been subjected to peer review.

II. Creative Work
   A. Art
   B. Music
   C. Theatre
   D. Other

III. Presentations
   A. Before an Audience of Peers at a Professional Meeting
      1. International or National Meetings
      2. Regional or State Meetings
   B. Seminars Before an Audience of Peers
      Invited by a University, College or Department. Invited by a group of professional peers.

IV. Grants and Contracts
   A. Externally Funded
   B. Internally Funded
1. General Instructions

In the organization of this report, certain guidelines have been agreed upon. No single event receives multiple mention. Thus, for example, a given faculty member may make an oral presentation at a National Meeting and later write out this presentation, have it refereed and included in a journal. However, within this publication, this is reported only one time--namely, as an oral presentation in category IIIA since this was the primary intent. Again, as another example, consider a given publication with multiple UCF authorship. It is reported only one time with all UCF authors having their names written out entirely in capitals.

The document is arranged as indicated in the outline. Under a given category, for example I.B.1--"Peer Refereed Articles in an International (or National) Journal"--the articles are collected, alphabetically, by college. If reasonable, they are further subdivided under the college heading in terms of the departments involved.

A standardized format for the reporting of the various activities in categories A-C has been used. It is presumed that this format will be followed by the various colleges for these same categories in future years when they are in the process of preparing their individual annual reports. This will make future editions of this university-wide report simpler to compile.

Briefly, the formats are as follows:

Books and Monographs
Authors (Last Name, Initials [if UCF faculty, entire name should be in caps]), Book Title (underlined), (Location: Publisher Name), Year When Actually Published, Total Number of Pages.

Example

Article in a Professional Journal
Authors (Last Name, Initials [if UCF faculty, entire name should be in caps]), Title of Article (in quotation marks), Journal Name (underlined, no abbreviations or acronyms should be used), Number (in parentheses), Actual Page Numbers in Journal, Year Published (in parentheses).

NOTE: If there is no volume and/or number, then these should be omitted. If month or quarter of issue is given, cite it with the year (in parentheses).

Presentation at a Professional Meeting

Authors (Last Name, Initials [if UCF faculty, entire name should be in caps]), Title of Talk, Professional Meeting at which the talk was presented, City and State (use two-letter abbreviations for state), Month and Year of Meeting.

Example


Respectfully submitted,

L. M. Trefonas
Vice President for Research and
Dean of Graduate Studies

t/A3
BOOKS AND MONOGRAPHS
COLLEGE OF ARTS AND SCIENCES

COMMUNICATION


HISTORY


WEHR, P. W. Like a Mustard Seed: The Slavia Settlement (Chuluota, FL: Mickler House Publishers) 93 pages.

SOCIOLOGY & ANTHROPOLOGY


COLLEGE OF BUSINESS ADMINISTRATION

ECONOMICS


MANAGEMENT


MARKETING


COLLEGE OF EDUCATION

EDUCATIONAL FOUNDATIONS


EDUCATIONAL SERVICES


INSTRUCTIONAL PROGRAMS


COLLEGE OF ENGINEERING


ARTICLES
National or International Professional Journals Peer-Refereed
BIOLOGICAL SCIENCES


CHEMISTRY


TREFONAS, L. M., Baker, R. J., Timberlake, J. W., A lender, J. T. and Majeste, R. J. "1-(1,1,3,3-Tetramethyl)Butyl-4-Phenyl-1,2,4-Triazoline-3,5Dione," Crystal Structure Communications, 11, 763-768, (1982).


COMMUNICATION


COMPUTER SCIENCE


ENGLISH


HISTORY

HUMANITIES, PHILOSOPHY, AND RELIGION


MATHEMATICS AND STATISTICS


PHYSICS


POLITICAL SCIENCE


PSYCHOLOGY


PUBLIC SERVICE ADMINISTRATION


SOCIOLOGY & ANTHROPOLOGY


COLLEGE OF BUSINESS ADMINISTRATION

ACCOUNTING

ECONOMICS


FINANCE


MANAGEMENT


CAMPBELL, T. and Navarez, C. "Pre-Acquisition Audits," The Internal Auditor, 14-17, (1983).

MARKETING


COLLEGE OF EDUCATION

EDUCATIONAL FOUNDATIONS


EDUCATIONAL SERVICES


INSTRUCTIONAL PROGRAMS


COLLEGE OF ENGINEERING

CIVIL ENGINEERING


ELECTRICAL ENGINEERING


INDUSTRIAL ENGINEERING


MECHANICAL ENGINEERING


COLLEGE OF HEALTH

MEDICAL RECORD ADMINISTRATION


RADIOLOGIC SCIENCES


RESPIRATORY THERAPY


FLORIDA SOLAR ENERGY CENTER

ARTICLES

REGIONAL OR STATE PROFESSIONAL JOURNALS PEER-REFEREED
COLLEGE OF ARTS AND SCIENCES

BIOLICAL SCIENCES


COMMUNICATION


MATHEMATICS AND STATISTICS


POLITICAL SCIENCE


COLLEGE OF EDUCATION

EDUCATIONAL FOUNDATIONS


EDUCATIONAL SERVICES


INSTRUCTIONAL PROGRAMS


COLLEGE OF ENGINEERING

ENGINEERING TECHNOLOGY


FLORIDA SOLAR ENERGY CENTER

OTHER SCHOLARLY WORKS
ART

BIOLOGICAL SCIENCES


CHEMISTRY
IDOUX, J. P. "Insecticide Control," UCF, presented to the Executive Officers of the Golf Course Superintendents Association of America, February 1983.

COMMUNICATION
DAVIS, R. Five illustrations and text on degenerative images: How to Create and Use High Contrast Images, author: Elinor Stecker. Published by HP Books 1982.


FEDLER, F. and Counts, T. "Journalism Professors Like Their Jobs and Chairmen but Reveal Problems and Voice Other Complaints," Roundtable No. 88.
American Society of Journalism School Administrators, University of South Carolina, 16 pages, November 1982.


COMPUTER SCIENCE


ENGLISH


HEMSCHEMEYER, J. Poetry reading, Space Coast Writers' Conference, Cocoa Beach, FL, March 1983.


FOREIGN LANGUAGES


TAYLOR, F. M. 4 visuals, Wind Chimes, 6, 45, (1982).

TAYLOR, F. M. 5 haiku, Wind Chimes, 6, 46, (1982).

TAYLOR, F. M. 3 haiku and one visual, Wind Chimes, 7, 63, (1983).


MATHEMATICS AND STATISTICS


MUSIC


PHYSICS


POLITICAL SCIENCE


PSYCHOLOGY


PUBLIC SERVICE ADMINISTRATION


DUFFEY, J. S. "Cost Centers and Object Code Classifications," Brevard County Sheriff's Department, 72, (1982).


SOCIOLOGY & ANTHROPOLOGY


SOCIAL WORK

COLLEGE OF BUSINESS ADMINISTRATION

ACCOUNTING

ECONOMICS

FINANCE

MANAGEMENT
MARKETING

SMALL BUSINESS DEVELOPMENT CENTER

COLLEGE OF EDUCATION
EDUCATIONAL FOUNDATIONS

MANNING, P. C. "What You've Always Wanted to Know About the Masteries of the Orient--But Were Afraid to Ask," Phi Delta Kappa Newsletter, XIV (2), (1982).


EDUCATIONAL SERVICES


INSTRUCTIONAL PROGRAMS


PALMER, M. J. "From the FMEA President's Column," Florida Music Director, 36 (1), 4, (1982).


PALMER, M. J. "A Festival of Music," President's Column, Florida Music Director, 36 (3), 10, 12-13, (December 1982).


PALMER, M. J. Director, "Honors Elementary Chorus," Brevard County, FL, March 1983.

COLLEGE OF ENGINEERING

CIVIL ENGINEERING


ELECTRICAL ENGINEERING


INDUSTRIAL ENGINEERING


COLLEGE OF HEALTH

RADIOLOGIC SCIENCES


FLORIDA SOLAR ENERGY CENTER


CREATIVE WORK

EXHIBITS, PERFORMANCES
ART


RIVERS, R. One man show, "River's Prints," Gray's College of Art, Garthdee Road, Aberdeen, Scotland, May 1982.


RIVERS, R. Group show, "14 Christmas Exhibition," 17 West Regent Street, Glasgow, Scotland, December 1982.


COMMUNICATION


JOHNSON, F. Directed the 1950's comedy, The Seven Year Itch, for Valencia Community College, October 1982.


MUSIC

EUBANK, L. E.
Performance - UCF Faculty Jazz Trio - Orlando, FL - 9 performances 1982-83.
Performance - Hyatt Hotel, Orlando, FL, Channel 9 TV, Twenty-fifth Anniversary Reception and Banquet, dinner music, February 13, 1983.

GARDNER, J.
Performance - UCF Marching Band - Tangerine Bowl Football Games, Orlando, FL - 6 performances 1982.
Conductor - Florida Youth Wind Ensemble - Central Florida Area - 2 performances 1983.

LESKO, E. S.
Solo Concert - Polk County Museum, February 27, 1983.
Performance - Loch Haven Quartet Concert, April 11, 1983.

OWENS, W. S.
Performance - UCF Faculty Recital - Manatee Junior College, Bradenton, FL, April 1, 1983.
Performance - UCF Woodwind Quintet - Loch Haven Arts Center, Orlando, FL, April 11, 1983.
Performance - UCF Faculty Recital - Brevard Community College, Cocoa, FL, April 15, 1983.

PICKERING, R.
Performance - Bass Trombonist - Brevard Music Center Orchestra, Brevard, NC, June 28 to August 15, 1982.
Performance - Solo and Trombone Ensemble - Daytona Beach Community College, Daytona Beach, FL, November 1, 1982.

RONEY, L.
Interview - "Before the Opera" - Saturday radio program, Orlando, FL, 2 one-half hour interviews, January 1983.
Soloist - "Lieder" - German Music & Poetry Evening, with Dr. Gary Wolf, Orlando, FL, March 18, 1983.
Soloist - Brevard Junior College, Recruiting Program - with Dr. Gary Wolf, Cocoa, FL, April 1983.
Soloist - Beethoven's "Ninth Symphony" - Florida Symphony Orchestra, Bob Carr Auditorium, 2 performances, May 5-6, 1983.

SZABO, A. E.
Conductor - Orange Blossom Chorus - Central Florida Area, 13 performances 1982-83.
Appearance - The International Mens' Chorus Contest, Seattle, WA, July 9, 1983.

VOELKER, D.
Solo Organ Recital - Central Florida Area - 4 performances 1982-83.
Conductor - UCF Chamber Singers - Central Florida Area - 10 performances 1982-83.

WHITNEY, J. C.
Conductor - UCF Community Symphony Orchestra - Central Florida Area - 5 performances 1982-83.
Conductor - Vermont All-State Orchestra, St. Albans, VT, May 15, 1983.

WOLF, J. G.
Soloist - UCF Faculty Woodwind Quintet - Music Rehearsal Hall, Orlando, FL, October 8, 1982.
Solo Recital - Central Florida Chamber of Commerce - Ocala, FL, February 20, 1983.
Recital - Lake Placid, FL - with Susan McQuinn, flutist, March 13, 1983.

WOLF, J. G.
Performance - UCF Choir tour - West Palm Beach Area, April 14, 15, 1983.
Recital - Chamber music recital - Jacksonville University, May 17, 1983.
Solo Recital - Coe College - Cedar Rapids, IA, June 9, 1983.
Recital - Chamber music recital - Winter Haven, FL, June 19, 1983.
Soloist - with Camerata Orchestra - Winter Haven, FL, June 20, 1983.

WRANCHER, E.
Performance - UCF Faculty Concert Florida Association of American University Directors - with Dr. Gary Wolf, Orlando, FL, August 26, 1982.
Soloist - UCF Faculty Recital - Palm Beach Junior College, Ft. Pierce, FL, March 9, 1983.
THEATRE

WELSCH, A. (Director) and IPPOLITO, J. (Design) El Grande de Coca-Cola, forty performances in Europe (Germany, Italy and Iceland), sponsored by United States Department of Defense, September 7 through November 13, 1982.

WELSCH, A. "Hands On....Teaching Unarmed Stage Combat to Teachers." A two-day workshop for high school and college drama directors, Southeast Theatre Conference, Savannah, GA March 1983.
PRESENTATIONS

AT A NATIONAL OR INTERNATIONAL PROFESSIONAL SOCIETY MEETING
BIOLOGICAL SCIENCES


CHEMISTRY


COMMUNICATION


COMPUTER SCIENCE


ENGLISH


FOREIGN LANGUAGES


HISTORY


PAULEY, B. F. "Formen des Antisemitismus in Osterreich 1914-1938," Historical Institute of the University of Salzburg, Salzburg, Austria, July 1982.

HUMANITIES, PHILOSOPHY, AND RELIGION

RISER, J. S. "Lifelong Education, Elitism and Exploitation," Tenth World Congress of Sociology, Mexico City, Mexico, August 1982.


MATHEMATICS AND STATISTICS


PHYSICS


POLITICAL SCIENCE


PSYCHOLOGY


SOCIOLOGY & ANTHROPOLOGY


SOCIAL WORK


COLLEGE OF BUSINESS ADMINISTRATION

ECONOMICS


FINANCE


MANAGEMENT


MARKETING


COLLEGE OF EDUCATION

EDUCATIONAL FOUNDATIONS


MANNING, P. C. "Innovation and Excellence in Elementary Science Education," National Science Teachers Association, Dallas, TX, April 1983.

EDUCATIONAL SERVICES


INSTRUCTIONAL PROGRAMS


SIEBERT, B. W. "Improvement of Typewriting and the Quality of Production Activities of Contestants at State and National Phi Beta Lambda Skill Events," Officers Training Conference, Phi Beta Lambda, Orlando, FL, October 1982.

COLLEGE OF ENGINEERING

CIVIL ENGINEERING


DIETZ, J. D. and Keinath, T. "Clarification Mechanisms for a Flocculent Slurry," 55th Annual Conference of the Water Pollution Control Federation, St. Louis, MO, October 1982.


ELECTRICAL ENGINEERING


SIMONS, F. O., Jr. and Harden, R. C. "HP-41H(s) Frequency Response Programs Based on New Optimized Algorithms," 14th Annual Pittsburgh Conference on Modeling and Simulation, University of Pittsburgh, Pittsburgh, PA, April 1983.


ENGINEERING TECHNOLOGY


INDUSTRIAL ENGINEERING


WHITEHOUSE, G. E. and HOSNI, Y. A. "Use of Micro-Computers by IE Departments," National American Society for Engineering Education Conference, College Station, TX, June 1982


MECHANICAL ENGINEERING


FLORIDA SOLAR ENERGY CENTER


PRESENTATIONS

AT A REGIONAL OR STATE PROFESSIONAL SOCIETY MEETING
BIOLOGICAL SCIENCES


EHRHART, L. M. "Ecologic Geography of Western Atlantic Marine Turtles: Developmental Habitats and Migratory Destinations," Gulf Coast Chapter of the Scientific Research Society (Sigma Xi), National Space Technology Labs, MS, September 1982.


YOUNG, B. L. and STOUT, I. J. "Food Supplementation of Small Rodents in Florida Scrub," Annual Meeting, Florida Field Biologists, University of South Florida, Tampa, FL, October 1982.


CHEMISTRY


COMMUNICATION


BUCHANAN, R. W. "Graduate Student and Faculty Research in Courtroom Advocacy," Florida Speech Communication Association Convention, Fort Walton Beach, FL, October 1982.


ENGLISH


FOREIGN LANGUAGES


HISTORY

FERNANDEZ, J. B. "Un vistazo a la narrativa cubana de la Revolucion," Annual Conference of the Southeastern Latin American Studies Association, San Juan, Puerto Rico, April 1983.


HUMANITIES, PHILOSOPHY, AND RELIGION


MATHEMATICS AND STATISTICS


PHYSICS


NOON, J. H. "Does the Proton Decay?" American Association of Physics Teachers Meeting, Florida Institute of Technology, Melbourne, FL, April 1983.


POLITICAL SCIENCE


HANDBERG, R. "Public Evaluations of Science: Creationism, Education and Ideology," Annual Meeting of the Southwestern Political Science Association, Houston, TX, March 1983.


MORALES, W. Q. "Bolivia's National Revolution Thirty Years Later: Success or Failure?" South Eastern Council of Latin American Studies, San Juan, Puerto Rico, April 1983.


PSYCHOLOGY


McGUIRE, J. and Borowy, T. "Situational Factors in Expressed Attitudes Toward Mental Health Professionals," Rocky Mountain Psychological Association, Salt Lake City, UT, April 1983.


SOCIOLOGY & ANTHROPOLOGY


UNKOVIC, C. M. and LEVENSOHN, S. "Banish Prisoners - That's the Answer," 28th annual Southern Conference on Corrections, Florida State University, Tallahassee, FL, February 1983.

SOCIAL WORK


COLLEGE OF BUSINESS ADMINISTRATION

ACCOUNTING


ECONOMICS


FINANCE


MANAGEMENT


CALLARMAN, W. G. and McCARTNEY, W. W. "A Comparison of Male-Female Managerial Behavior by Age and Organization Level," Southwest Region American Institute for Decision Sciences, Dallas, TX, March 1983


MARKETING


COLLEGE OF EDUCATION

EDUCATIONAL FOUNDATIONS


EDUCATIONAL SERVICES


MEALOR, D. J. and Green, C. "Anxiety Levels of Exceptional and Regular Classroom Students on the Revised Children's Manifest Anxiety Scale," Florida Association of School Psychologists, Miami Beach, FL, November 1982.


INSTRUCTIONAL PROGRAMS


---

COLLEGE OF ENGINEERING


ELECTRICAL ENGINEERING


ENGINEERING TECHNOLOGY


INDUSTRIAL ENGINEERING


MECHANICAL ENGINEERING


COLLEGE OF HEALTH

COMMUNICATIVE DISORDERS


UTT, H. A. "The Usefulness of Rupp's Feasibility Scale for Predicting Hearing Aid Use with Older Adults," Florida Language Speech and Hearing Association, Spring Meeting, Orlando, FL, May 1983.

MEDICAL TECHNOLOGY


NURSING


RESPIRATORY THERAPY

DOUGLASS, S. E. "Pediatric Respiratory Care for the Respiratory Therapy Practitioner," University of Indiana Respiratory Therapy and Hospital, Indianapolis, IN, November 1982.


FLORIDA SOLAR ENERGY CENTER

PRESENTATIONS

Seminars at Another University or Before an Audience of One's Peers
COLLEGE OF ARTS AND SCIENCES

ART


BIOLOGICAL SCIENCES


CHEMISTRY


COMMUNICATION


COMPUTER SCIENCE


HISTORY


MATHEMATICS AND STATISTICS

SOMERVILLE, P. N. "Multiple Comparisons and Subset Selection Procedures," Statistics Faculty at the University of Puerto Rico, San Juan, Puerto Rico, May 1982.

PHYSICS


PUBLIC SERVICE ADMINISTRATION


SOCIOLOGY & ANTHROPOLOGY


SOCIAL WORK


COLLEGE OF BUSINESS ADMINISTRATION

ECONOMICS


MANAGEMENT


MARKETING


EDUCATIONAL FOUNDATIONS


EDUCATIONAL SERVICES


INSTRUCTIONAL PROGRAMS


PALMER, M. J. "Developing Creativity Through Music," Auburn University, Auburn, AL, July 1982.


COLLEGE OF ENGINEERING

CIVIL ENGINEERING


HVITVED-JACOBSEN, T. "Coastal Water Pollution," University of Aalborg, Denmark, (in Danish), July 1982.


ELECTRICAL ENGINEERING


INDUSTRIAL ENGINEERING


MECHANICAL ENGINEERING


FLORIDA SOLAR ENERGY CENTER

EXTERNALLY AWARDED FUNDS
### COLLEGE OF ARTS AND SCIENCES

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Project Title</th>
<th>Amount</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>D. W. Abbott</td>
<td>Computerized Weight Control</td>
<td>$94,998</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>L. Cottrell</td>
<td>CRES-PLUS/A</td>
<td>$19,888</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>G. Cunningham, J. Gupton, J. P. Idoux</td>
<td>DOW CO - 416</td>
<td>$15,000</td>
<td>Dow Chemical</td>
</tr>
<tr>
<td>J. S. Duffey</td>
<td>Government Center</td>
<td>$44,500</td>
<td>SUS Int.</td>
</tr>
<tr>
<td>J. S. Duffey</td>
<td>Government Workshops</td>
<td>$3,000</td>
<td>Various</td>
</tr>
<tr>
<td>J. S. Duffey</td>
<td>Sheriff's Dept. Training</td>
<td>$5,500</td>
<td>Brevard Co.</td>
</tr>
<tr>
<td>T. J. Frederick</td>
<td>Research Equipment</td>
<td>$94,161</td>
<td>NSF</td>
</tr>
<tr>
<td>J. T. Gupton</td>
<td>Vinamidinium Salts</td>
<td>$15,000</td>
<td>PRF</td>
</tr>
<tr>
<td>M. D. Hampton</td>
<td>Ion Selective Electrodes</td>
<td>$8,987</td>
<td>DOD/NRL-USRD</td>
</tr>
<tr>
<td>J. P. Idoux, J. T. Gupton</td>
<td>Infrared Spectrometer</td>
<td>$17,000</td>
<td>NSF</td>
</tr>
<tr>
<td>J. P. Idoux</td>
<td>Molecular Oxygen</td>
<td>$2,000</td>
<td>Am Chem Soc</td>
</tr>
<tr>
<td>K. J. Kazmerski</td>
<td>Family Services FY83</td>
<td>$47,628</td>
<td>FL/HRS</td>
</tr>
<tr>
<td>H. Kennedy</td>
<td>Canadian Studies</td>
<td>$15,000</td>
<td>BFCS</td>
</tr>
<tr>
<td>D. T. Kuhn, T. E. Sprey, G. N. Cunningham</td>
<td>D. melanogaster</td>
<td>$90,000</td>
<td>NSF</td>
</tr>
<tr>
<td>D. T. Kuhn</td>
<td>Hoyt Fellowships FY83</td>
<td>$2,400</td>
<td>ACS</td>
</tr>
<tr>
<td>S. D. Lotz</td>
<td>Painting</td>
<td>$2,500</td>
<td>FL/DOS</td>
</tr>
<tr>
<td>B. C. Madsen</td>
<td>Acid Rain</td>
<td>$2,050</td>
<td>NASA</td>
</tr>
<tr>
<td>H. A. Miller</td>
<td>Melanesian Bryophytes</td>
<td>$23,548</td>
<td>NSF</td>
</tr>
<tr>
<td>H. A. Miller, R. S. White</td>
<td>Phytochemical Research</td>
<td>$1,100</td>
<td>R. L. Martin</td>
</tr>
<tr>
<td>W. Q. Morales</td>
<td>U.S. and Latin America</td>
<td>$2,500</td>
<td>S&amp;H Fdn.</td>
</tr>
<tr>
<td>W. Q. Morales</td>
<td>Summer Seminar - Conn</td>
<td>$2,700</td>
<td>NEH</td>
</tr>
<tr>
<td>W. Q. Morales</td>
<td>Summer Seminar - Colo</td>
<td>$2,700</td>
<td>NEH</td>
</tr>
<tr>
<td>A. Mukherjee</td>
<td>Hardware Algorithms</td>
<td>$98,796</td>
<td>NSF</td>
</tr>
<tr>
<td>W. C. Oelfke</td>
<td>Harmonic Oscillator</td>
<td>$25,000</td>
<td>NBS</td>
</tr>
<tr>
<td>S. E. Omans</td>
<td>Technical Document. Inst.</td>
<td>$8,400</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>S. E. Omans</td>
<td>SUS Press Salary</td>
<td>$3,950</td>
<td>FL/SUS</td>
</tr>
<tr>
<td>P. N. Somerville</td>
<td>Reg. Climatic Models</td>
<td>$60,000</td>
<td>DOD/Air Force</td>
</tr>
<tr>
<td>I. J. Stout</td>
<td>Species Extinction</td>
<td>$490</td>
<td>Sierra Club</td>
</tr>
<tr>
<td>W. K. Taylor</td>
<td>Ornithologic Investigation</td>
<td>$1,000</td>
<td>Unt.Homes Ser.</td>
</tr>
<tr>
<td>J. J. Turnage</td>
<td>Psych Graduate Survey</td>
<td>$465</td>
<td>General Mills</td>
</tr>
<tr>
<td>A. Welsch, J. Ippolito</td>
<td>El Grande de Coca-Cola</td>
<td>$28,600</td>
<td>DOD</td>
</tr>
</tbody>
</table>

**TOTAL** $738,861

### COLLEGE OF BUSINESS ADMINISTRATION

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Project Title</th>
<th>Amount</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>D. L. Davis</td>
<td>Tourism Barometer</td>
<td>$6,000</td>
<td>FL/DOC</td>
</tr>
<tr>
<td>R. G. Fritz</td>
<td>Business Barometer FY83</td>
<td>$13,321</td>
<td>Sun Bank</td>
</tr>
<tr>
<td>A. T. Polfer, R. S. Rubin</td>
<td>Development Center FY82</td>
<td>$30,140</td>
<td>UWF</td>
</tr>
<tr>
<td>A. T. Polfer, R. S. Rubin</td>
<td>Development Center FY83</td>
<td>$118,400</td>
<td>UWF</td>
</tr>
<tr>
<td>R. S. Rubin</td>
<td>Business Institute FY83</td>
<td>$11,000</td>
<td>UWF</td>
</tr>
<tr>
<td>C. D. Schou</td>
<td>Rock Island Research</td>
<td>$8,293</td>
<td>DOD/Army</td>
</tr>
</tbody>
</table>

**TOTAL** $187,154
### COLLEGE OF EDUCATION

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Project Title</th>
<th>Amount</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>R. M. Bollet</td>
<td>Micro-Computers</td>
<td>$3,000</td>
<td>FL/DOE</td>
</tr>
<tr>
<td>R. M. Bollet</td>
<td>Career Resource FY83</td>
<td>$7,000</td>
<td>FL/DOE</td>
</tr>
<tr>
<td>R. G. Cowgill</td>
<td>Math/Science Skills</td>
<td>$37,006</td>
<td>UF</td>
</tr>
<tr>
<td>G. E. Fardig</td>
<td>Begin Teacher FY83</td>
<td>$55,133</td>
<td>FL/DOE</td>
</tr>
<tr>
<td>G. E. Fardig</td>
<td>CBVE Implementation</td>
<td>$8,500</td>
<td>FL/DOE</td>
</tr>
<tr>
<td>G. E. Fardig, R. Lange</td>
<td>VIMAS Evaluation</td>
<td>$14,276</td>
<td>FL/DOE</td>
</tr>
<tr>
<td>G. E. Fardig</td>
<td>Voc Teachers FY84</td>
<td>$60,000</td>
<td>FL/DOE</td>
</tr>
<tr>
<td>L. R. Hudson</td>
<td>Administrator Training</td>
<td>$3,882</td>
<td>FIU</td>
</tr>
<tr>
<td>L. R. Hudson</td>
<td>Clinical Updating FY83</td>
<td>$3,500</td>
<td>FL/DOE</td>
</tr>
<tr>
<td>E. E. Miller</td>
<td>Business Educ FY83</td>
<td>$1,658</td>
<td>FL/DOE</td>
</tr>
<tr>
<td>R. F. Paugh</td>
<td>Support Services FY83</td>
<td>$14,000</td>
<td>FL/DOE</td>
</tr>
<tr>
<td>R. F. Paugh</td>
<td>Diffusion Network</td>
<td>$30,850</td>
<td>FL/DOE</td>
</tr>
<tr>
<td>B. W. Siebert</td>
<td>Materials Develop. FY83</td>
<td>$23,793</td>
<td>FL/DOE</td>
</tr>
<tr>
<td>S. E. Sorg</td>
<td>Administrator Training</td>
<td>3,882</td>
<td>FIU</td>
</tr>
<tr>
<td>S. E. Sorg</td>
<td>Leadership Comp. FY83</td>
<td>8,000</td>
<td>FL/DOE</td>
</tr>
<tr>
<td>S. E. Sorg</td>
<td>Handicapped FY83</td>
<td>6,681</td>
<td>FL/DOE</td>
</tr>
<tr>
<td>S. E. Sorg</td>
<td>Support Services FY84</td>
<td>20,000</td>
<td>FL/DOE</td>
</tr>
<tr>
<td>D. J. Toler</td>
<td>Computing Res. Center</td>
<td>6,966</td>
<td>FL/DOE</td>
</tr>
</tbody>
</table>

**TOTAL** $308,127

### COLLEGE OF ENGINEERING

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Project Title</th>
<th>Amount</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>L. A. Anderson</td>
<td>EIES - Hydraulic Vehicle</td>
<td>$4,578</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>L. A. Anderson, J.K. Beck</td>
<td>EIES - Aircraft Landing</td>
<td>$8,280</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>C. S. Bauer</td>
<td>EIES - Cam Systems</td>
<td>$4,275</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>B. F. Beck</td>
<td>Sinkhole Control</td>
<td>$156,854</td>
<td>Various</td>
</tr>
<tr>
<td>J. E. Biegel</td>
<td>EIES - Cam Algorithm</td>
<td>$10,150</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>J. E. Biegel</td>
<td>EIES - Cadmate Dev.</td>
<td>8,621</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>G. G. Brooks</td>
<td>EIES - CNATRA Training MIS</td>
<td>39,986</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>G. H. Brooks, D.G. Linton</td>
<td>Course Prioritization</td>
<td>35,000</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>G. H. Brooks</td>
<td>EIES - MRP Systems</td>
<td>5,014</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>W. Carroll</td>
<td>EIES - SUBTAC SMARTTS</td>
<td>39,938</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>K. K. Chang</td>
<td>EIES - Robotic Control</td>
<td>3,665</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>C. D. Cooper</td>
<td>EIES - Haz Org Vapors</td>
<td>1,460</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>C. D. Cooper</td>
<td>EIES - Coal Slurry Match</td>
<td>4,500</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>C. D. Cooper</td>
<td>EIES - Air Model</td>
<td>2,913</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>J. D. Dietz</td>
<td>EIES - Sludge Management</td>
<td>3,359</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>J. D. Dietz</td>
<td>Metal Finishing</td>
<td>51,078</td>
<td>AES</td>
</tr>
<tr>
<td>R. D. Doering</td>
<td>EIES - Passive Design</td>
<td>7,910</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>R. D. Doering</td>
<td>EIES - Simulator Trainer</td>
<td>5,902</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>R. D. Doering</td>
<td>EIES - Front End Analysis</td>
<td>4,625</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>B. E. Eno</td>
<td>EIES - Heat Recovery</td>
<td>3,202</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>E. E. Erickson</td>
<td>ASW Software</td>
<td>10,000</td>
<td>DOD/NTEC</td>
</tr>
</tbody>
</table>
## Principal Investigator

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Project Title</th>
<th>Amount</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>E. E. Erickson, W. E. Carroll</td>
<td>EIES - Software Develop.</td>
<td>$12,094</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>F. S. Gunnerson</td>
<td>EIES - Critical Heat</td>
<td>$8,412</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>M. G. Harris</td>
<td>EIES - Brain Wave Meas</td>
<td>$3,489</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>M. G. Harris</td>
<td>EIES - Eye Motion Detect.</td>
<td>$10,204</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>J. P. Hartman</td>
<td>EIES - CUTHA</td>
<td>$2,500</td>
<td>Stevens Inst.</td>
</tr>
<tr>
<td>E. R. Hosler, F. S. Gunnerson</td>
<td>Cryogenic Liquid Vapor</td>
<td>$40,256</td>
<td>NASA</td>
</tr>
<tr>
<td>E. R. Hosler</td>
<td>Steam Generator</td>
<td>$7,693</td>
<td>EPRI</td>
</tr>
<tr>
<td>Y. A. Hosni</td>
<td>Microsoft</td>
<td>$2,600</td>
<td>Apple 3.</td>
</tr>
<tr>
<td>Y. A. Hosni</td>
<td>EIES - Training Simulator</td>
<td>$4,022</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>S. S. Kuo</td>
<td>EIES - Ground Radar</td>
<td>$6,951</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>D. S. Leftwich</td>
<td>EIES - Transit Systems</td>
<td>$3,520</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>D. G. Linton</td>
<td>EIES - NTIPP Author</td>
<td>$17,500</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>D. G. Linton</td>
<td>EIES - Classification Tools</td>
<td>$22,913</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>D. G. Linton</td>
<td>EIES - Automated Page</td>
<td>$35,000</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>D. C. Malocha</td>
<td>EIES - SAW Trans</td>
<td>$4,572</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>D. C. Malocha</td>
<td>EIES - Microelectronic Dev.</td>
<td>$12,839</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>D. C. Malocha</td>
<td>Acoustic Wave Filter</td>
<td>$22,970</td>
<td>Texas Inst.</td>
</tr>
<tr>
<td>R. J. Martin</td>
<td>EIES - Hydrophone Dev.</td>
<td>$5,588</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>R. J. Martin</td>
<td>Hydrophone Feedback</td>
<td>$11,982</td>
<td>Actran Corp.</td>
</tr>
<tr>
<td>S. M. Metwalli</td>
<td>EIES - Linear Systems</td>
<td>$2,823</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>A. Minardi, P. J. Bishop</td>
<td>EIES - Thermal Storage</td>
<td>$6,914</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>A. Minardi, P. J. Bishop</td>
<td>Feedwater Heaters</td>
<td>$8,180</td>
<td>Westinghouse</td>
</tr>
<tr>
<td>F. A. Mosleh</td>
<td>EIES - Laser Speckle</td>
<td>$3,186</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>B. W. Patz</td>
<td>EIES - Blend Region</td>
<td>$45,452</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>B. E. Petrasko</td>
<td>Digital Communication</td>
<td>$18,661</td>
<td>NASA</td>
</tr>
<tr>
<td>R. L. Phillips</td>
<td>Feed-Through Connectors</td>
<td>$31,994</td>
<td>DOD/NRL</td>
</tr>
<tr>
<td>R. L. Phillips</td>
<td>EIES - Laser Beam Control</td>
<td>$22,316</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>R. L. Phillips</td>
<td>Laser Beam Control</td>
<td>$57,000</td>
<td>ARI</td>
</tr>
<tr>
<td>A. Pozefsky</td>
<td>STAC V</td>
<td>$2,700</td>
<td>UF</td>
</tr>
<tr>
<td>A. Pozefsky</td>
<td>STAC VI</td>
<td>$34,785</td>
<td>UF</td>
</tr>
<tr>
<td>G. F. Schrader</td>
<td>EIES Equip. Maint &amp; Rent</td>
<td>$400</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>G. F. Schrader, J.R. Burr</td>
<td>SATD Task Force</td>
<td>$29,996</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>G. F. Schrader</td>
<td>EIES-Equip/Maint/Rent</td>
<td>$2,000</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>G. F. Schrader</td>
<td>EIES - Industry Analysis</td>
<td>$9,513</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>F. O. Simons</td>
<td>EIES - IKONAS Graphics</td>
<td>$24,951</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>F. O. Simons</td>
<td>Multi-Micro SW</td>
<td>$12,000</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>F. O. Simons</td>
<td>EIES - CAD Signal Process</td>
<td>$4,702</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>R. Smith</td>
<td>Drinking Water</td>
<td>$125,699</td>
<td>EPA</td>
</tr>
<tr>
<td>L. L. Smith, R. D. Doering, R. F. Connally</td>
<td>AI TEST BED</td>
<td>$44,968</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>L. L. Smith</td>
<td>EIES - Comp Training</td>
<td>$2,928</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>L. L. Smith</td>
<td>EIES - Artificial Intell.</td>
<td>$4,949</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>L. L. Smith</td>
<td>EIES - Human Factors</td>
<td>$1,980</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>J. S. Taylor</td>
<td>Precursor Removal II</td>
<td>$40,000</td>
<td>EPA</td>
</tr>
<tr>
<td>H. C. Towle</td>
<td>EIES STAGS Development</td>
<td>$28,045</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>H. C. Towle</td>
<td>EIES - Anti-Armor Support</td>
<td>$57,378</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>R. L. Walker</td>
<td>FSEC - Walker Salary II</td>
<td>$10,979</td>
<td>FSEC</td>
</tr>
</tbody>
</table>
### COLLEGE OF ENGINEERING (Continued)

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Project Title</th>
<th>Amount</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>R. A. Walters</td>
<td>EIES - Tracking Systems</td>
<td>$3,953</td>
<td>UCF/EIES</td>
</tr>
<tr>
<td>Y. A. Yousef</td>
<td>Highway Pollution Grant</td>
<td>$675</td>
<td>NSF</td>
</tr>
<tr>
<td>Y. A. Yousef</td>
<td>Heavy Metals FY83</td>
<td>$25,000</td>
<td>FL/DOT</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td>$1,355,449</td>
<td>--</td>
</tr>
</tbody>
</table>

### COLLEGE OF HEALTH

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Project Title</th>
<th>Amount</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>L. E. Eldredge</td>
<td>BS Nursing FY82 (1)</td>
<td>$11,048</td>
<td>PHS</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td>$11,048</td>
<td>--</td>
</tr>
</tbody>
</table>

### FLORIDA SOLAR ENERGY CENTER

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Project Title</th>
<th>Amount</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>D. L. Block</td>
<td>Ocean Thermal Energy</td>
<td>$328,641</td>
<td>SERI</td>
</tr>
<tr>
<td>P. W. Fairey</td>
<td>Passive Home Program</td>
<td>$15,000</td>
<td>FPL Company</td>
</tr>
<tr>
<td>P. W. Fairey, S. Chandra</td>
<td>Gas Technology</td>
<td>$278,209</td>
<td>GRI</td>
</tr>
<tr>
<td>M. A. Girgis</td>
<td>Energy Code Compliance</td>
<td>$45,000</td>
<td>FL/DCA</td>
</tr>
<tr>
<td>O. G. Hancock</td>
<td>Daylight Mod - Bldg 200</td>
<td>$9,194</td>
<td>DOE</td>
</tr>
<tr>
<td>O. G. Hancock</td>
<td>Daylight Mod - Bldg 300</td>
<td>$6,178</td>
<td>DOE</td>
</tr>
<tr>
<td>O. G. Hancock</td>
<td>Hydrogen Electrolyzer</td>
<td>$13,344</td>
<td>NASA</td>
</tr>
<tr>
<td>M. M. Houston</td>
<td>Post Office Review</td>
<td>$2,000</td>
<td>Postal Service</td>
</tr>
<tr>
<td>J. C. Huggins</td>
<td>Prediction Methods I</td>
<td>$10,000</td>
<td>DOE/Bonneville</td>
</tr>
<tr>
<td>J. C. Huggins</td>
<td>Prediction Methods IV</td>
<td>$5,000</td>
<td>San Diego Gas</td>
</tr>
<tr>
<td>J. C. Huggins</td>
<td>Prediction Methods II</td>
<td>$15,000</td>
<td>S. Cal Edison</td>
</tr>
<tr>
<td>M. K. Khattar</td>
<td>High-Eff Dehumidifier</td>
<td>$24,894</td>
<td>NASA</td>
</tr>
<tr>
<td>R. McCluney</td>
<td>Window Shading - FP&amp;L</td>
<td>$16,000</td>
<td>FP&amp;L</td>
</tr>
<tr>
<td>T. Merrigan</td>
<td>Water Heating</td>
<td>$26,145</td>
<td>FL/PSC</td>
</tr>
<tr>
<td>J. D. Roland</td>
<td>Collector Testing</td>
<td>$82,300</td>
<td>Various</td>
</tr>
<tr>
<td>G. G. Ventre</td>
<td>SE Experiment Station</td>
<td>$1,000,000</td>
<td>DOE</td>
</tr>
<tr>
<td>M. M. Yarosh</td>
<td>Florida Energy Workshops</td>
<td>$78,735</td>
<td>Various</td>
</tr>
<tr>
<td>M. Yarosh</td>
<td>Solar Workshops</td>
<td>$22,753</td>
<td>SERI</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td>$1,978,393</td>
<td>--</td>
</tr>
</tbody>
</table>
## OTHER RESEARCH EFFORT

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Project Title</th>
<th>Amount</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>R. L. Arnold</td>
<td>Teacher Support - UF</td>
<td>$ 250</td>
<td>UF</td>
</tr>
<tr>
<td>C. S. Bauer</td>
<td>IST/Task Administration</td>
<td>$ 32,467</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>G. W. Blount, F.O. Simons</td>
<td>VTRS Programs</td>
<td>$ 100,000</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>N. Ford</td>
<td>Special Services</td>
<td>$ 83,512</td>
<td>ED</td>
</tr>
<tr>
<td>J. W. Gracey</td>
<td>Cooperative Ed.</td>
<td>$ 734</td>
<td>ED</td>
</tr>
<tr>
<td>C. B. Greathouse</td>
<td>Painting</td>
<td>$ 2,500</td>
<td>FL/DOS</td>
</tr>
<tr>
<td>M. A. Johnston</td>
<td>Multiple War Game Systems</td>
<td>$ 128,400</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>M. A. Johnston</td>
<td>CRES-PLUS/B</td>
<td>$ 25,112</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>M. A. Johnston</td>
<td>Optical System Design</td>
<td>$ 9,500</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>M. A. Johnston, G. W. Blount</td>
<td>IST/USMC War Games</td>
<td>$ 550,000</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>P. R. McQuilkin</td>
<td>Gifted Students FY84</td>
<td>$ 20,000</td>
<td>FL/DOE</td>
</tr>
<tr>
<td>P. R. McQuilkin</td>
<td>Gifted Student Match</td>
<td>$ 2,000</td>
<td>Various</td>
</tr>
<tr>
<td>P. R. McQuilkin</td>
<td>Gifted Student Computer</td>
<td>$ 1,000</td>
<td>Various</td>
</tr>
<tr>
<td>F. A. Pinder, J. Gracey</td>
<td>CHOICES FY83</td>
<td>$ 5,000</td>
<td>FL/DOE</td>
</tr>
<tr>
<td>L. Tubbs</td>
<td>State Touring Prog.</td>
<td>$ 500</td>
<td>FL/DOS</td>
</tr>
<tr>
<td>L. Tubbs</td>
<td>VCIP Program FY83</td>
<td>$ 45</td>
<td>ED</td>
</tr>
<tr>
<td>L. Tubbs</td>
<td>Martin Marietta FY83</td>
<td>$ 736,897</td>
<td>Mart. Marietta</td>
</tr>
<tr>
<td>L. W. Walker</td>
<td>Library Tech Ctr/FY83</td>
<td>$ 122,029</td>
<td>DOD/NTEC</td>
</tr>
<tr>
<td>L. W. Walker</td>
<td>Library Agreement FY83</td>
<td>$ 1,266</td>
<td>FL/DOS</td>
</tr>
<tr>
<td>L. W. Walker</td>
<td>Library Resources FY84</td>
<td>$ 890</td>
<td>ED</td>
</tr>
</tbody>
</table>

**TOTAL** $1,822,102
INTERNALLY FUNDED AWARDS
COLLEGE OF ARTS & SCIENCES

Shipping textbooks to the Philippine Islands. J. J. Brennan. $281

Partial support for software to complete research project. R. E. Connally. $65

Support for experiments in artificial intelligence. R. E. Connally. $200

Evolution of pattern formation in imaginal discs of Drosophila. G. N. Cunningham. $5,000

Support for Department hosting the ACM Conference. R. Dutton. $150

Los Abuelos: A Cuban oral history project. J. B. Fernandez. $4,497

Analysis of instruction sets of several microprocessors for performance improvement. R. K. Guha. $4,724

Partial funding for attendance at analytical chemistry conference in Colorado. M. D. Hampton. $146

Morphological analysis of tumorous-head mutations in D. melanogaster. D. T. Kuhn. $5,000

Contribution to set up state-wide Shark Institute. R. A. Llewellyn. $1,900

Determination/evaluation of hydrogen peroxide in rainwater. B. C. Madsen. $4,902

Membership in Council for Chemical Research, Inc. G. Mattson. $500

Computer repair in Chemistry Department. G. Mattson. $250

Support to rebuild damaged software. W. W. McGee. $3,300

Support for NSF grant on hardware algorithms. A. Mukherjee. $7,711

Cleaning and standardizing electron microscope. F. F. Snelson. $2,500

Replacement of worn out equipment for research vessel. F. F. Snelson. $2,158

Travel to Florida Institute of Oceanography as University Sea Grant representative. F. F. Snelson. $130

Travel support to present a paper at a conference. P. N. Somerville. $300

Analysis of relational database machine architecture. H. N. Srinidhi. $4,658

Investigation of mathematical problem on image processing. M. D. Taylor. $4,094

Information processing-based method of foreign language instruction. M. H. Thomas. $6,049

The relative effects of motivational versus cognitive components of participative decision making on performance. J. J. Turnage. $4,874
### COLLEGE OF ARTS AND SCIENCES (continued)

<table>
<thead>
<tr>
<th>Support Details</th>
<th>Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Support to attend proposal bidders conference in Tallahassee.</td>
<td>W. D. Tropf.</td>
<td>$231</td>
</tr>
<tr>
<td>Photographic support for textbook publication.</td>
<td>R. L. Wallace.</td>
<td>$340</td>
</tr>
<tr>
<td>Nonlinear electrodynamics at finite temperature.</td>
<td>W. Wilson.</td>
<td>$4,945</td>
</tr>
<tr>
<td>DOE conference on anaerobic biotechnology.</td>
<td>R. J. Wodzinski.</td>
<td>$399</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>$69,304</strong></td>
</tr>
</tbody>
</table>

### COLLEGE OF BUSINESS ADMINISTRATION

<table>
<thead>
<tr>
<th>Support Details</th>
<th>Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analysis of impact of Deregulation Act on banking industry.</td>
<td>J. Madura.</td>
<td>$4,969</td>
</tr>
<tr>
<td>An interactive computer-based underwater acoustic sound dictionary for acoustic sensor operator training.</td>
<td>C. D. Schou, Harold A. Utt.</td>
<td>$7,699</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>$12,668</strong></td>
</tr>
</tbody>
</table>

### COLLEGE OF ENGINEERING

<table>
<thead>
<tr>
<th>Support Details</th>
<th>Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attend Interservice/Industry Training Conference as University representative.</td>
<td>C. S. Bauer.</td>
<td>$529</td>
</tr>
<tr>
<td>Support in analyzing problems associated with the development of a coal slurry pipeline.</td>
<td>C. D. Cooper.</td>
<td>$3,000</td>
</tr>
<tr>
<td>Evaluation of transportation models that can be adapted for use in small urban areas.</td>
<td>D. S. Leftwich.</td>
<td>$4,965</td>
</tr>
<tr>
<td>Experimental stress determination by spectral density of laser speckles.</td>
<td>S. M. Metwalli.</td>
<td>$4,970</td>
</tr>
<tr>
<td>Support China trip for conference on laser technology.</td>
<td>R. L. Phillips.</td>
<td>$500</td>
</tr>
<tr>
<td>An analytical approach to construction site design.</td>
<td>W. Rodriguez-Ramos.</td>
<td>$5,000</td>
</tr>
<tr>
<td>Support for travel for conference with funding agency.</td>
<td>R. Smith.</td>
<td>$442</td>
</tr>
<tr>
<td>Travel for conference with Environmental Protection Agency.</td>
<td>J. S. Taylor.</td>
<td>$397</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>$19,803</strong></td>
</tr>
</tbody>
</table>
COLLEGE OF HEALTH

Immunologic pathogenesis of mitral valve prolapse. L. J. Acierno, M. J. Sweeney, M. L. Scott. $8,070

Electron microscope study of alveolar type II cells with sympathetic stimulation of the lung. D. J. Crittenden. $5,000

Computer services for survey of students' attitudes towards death. L. E. Eldredge. $100

An acoustic analysis of various speech spectra of mentally-retarded adults before and after treatment. D. B. Ingram. $4,204

An interactive computer-based underwater acoustic sound dictionary for acoustic sensor operator training. Harold A. Utt, C. D. Schou. $7,699

TOTAL $17,003