Research & scholarly achievements, July 1, 1984 - June 30, 1985

University of Central Florida

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Research & Scholarly Achievements

Volume 4

July 1, 1984 — June 30, 1985

University of Central Florida
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1. Introduction

This publication is the fourth annual summary of scholarly activities at the University of Central Florida. It covers the period from July 1, 1984, to June 30, 1985. 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, 1984. Much of the work done during this year will be formally reported after June 30, 1985.

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

The Faculty Publication Committee together with the Graduate Dean 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. Proceedings

D. Other Scholarly Work - Work in this category need not necessarily have been subjected to peer review.
II. Creative Work - Art, Music, Theatre, 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 or invited by a group of professional peers.

IV. Grants and Contracts
   A. Externally Funded
   B. Internally Funded

3. Format of entries--please follow the format of the examples cited below.

BOOKS AND MONOGRAPHS
   Authors....(last name, initials [all UCF faculty have name in caps])
   Book title....(capitalized and underlined)
   Publisher information....(city, state: name of company)
   Book information....(year of publication, total number of pages)

Example


ARTICLE IN A PROFESSIONAL JOURNAL
   Author....(last name, initials [all UCF faculty have name in caps])
   Title of article....(in quotation marks)
   Journal name in its entirety....(underlined, no abbreviations or acronyms)
   Volume number....(underlined) followed by issue number, if any (in parentheses)
   Actual page numbers in journal on which article begins and ends
   Year published....(in parentheses).

Example


PROCEEDINGS
   Author....(last name, initials [all UCF faculty have name in caps])
   Title....(in quotation marks)
   Volume....title should begin Proceedings of . . . (no abbreviations and entire title underlined)
   Year published....(in parentheses).

Example

CREATIVE WORK

Exhibit
Artist....(last name in caps, initials)
Type of show....(group exhibit, one-man show, etc.)
Title....(in quotation marks)
Location....(specific location, city, state [use 2-letter abbreviation])
Date....(month, beginning day-final day, year, no abbreviations)

Example

Performance
Artist....(last name in caps, initials)
Type....(performance, concert, recital, etc.)
Location....(specific location, city, state [use 2-letter abbreviation])
Date....(month, beginning day-final day, year, no abbreviations)

Example

PRESENTATION AT A PROFESSIONAL MEETING
Authors....(last name, initials [if UCF faculty, name should be in caps])
Title of talk....(in quotation marks)
Occasion....(professional meeting at which the talk was presented)
City and state....(use two-letter abbreviations for state)
Month and year of meeting....(no abbreviations for month)

Example
BOOKS AND MONOGRAPHS
BIOLOGICAL SCIENCES


FOREIGN LANGUAGES


PAYAS, A. La Sociedad Espanola en las NOVELLAS EJEMPLARES de Miguel de Cervantes Saavedra (San Jose, Costa Rica: Editorial EUNED) 1985, 121 pages.

HISTORY


MATHEMATICS


PETTOFREZZO, A. J. Elements of Number Theory (Winter Park, FL: Orange Publishers) 1985, 244 pages.


PHYSICS


POLITICAL SCIENCE


MORALES, W. Q. La Geopolitica de la Politica Exterior de Bolivia (Santiago, de Chile: Centro de Estudios del La Realidad Contemporenea) 1984, 32 pages.

PUBLIC SERVICE ADMINISTRATION


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EDUCATIONAL SERVICES


MIDGETT, J., OLSON, J. L. and Hornbeck, D. "Comprehension Games, Yes! Yes!" Florida Media Quarterly, 10 (2), 13-14, (1985).


INSTRUCTIONAL PROGRAMS


COLLEGE OF ENGINEERING

CIVIL ENGINEERING AND ENVIRONMENTAL SCIENCES


COMPUTER ENGINEERING


ELECTRICAL ENGINEERING AND COMMUNICATIONS SCIENCES


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OTHER SCHOLARLY WORKS
ART


CHAVDA, J. J. and SKOGLUND, M. Videotape (VHS) for course ARH 4655: Mexican Art Title: Ancient Mexico, Time: 1 hour 18 minutes, (1985).


CHAVDA, J. J. Power Plant Productivity Forum; Westinghouse Steam Turbine Generator Division, photograph by J.J. Chavda.


LOTZ, S. 4 color poster, published by Paragon Group Inc. of Florida Dream, commissioned painting.


LOTZ, S. Black and white invitation to Pioneer Center III opening, (1985.)

RIVERS, R. Postcard announcing opening of Trophies - One Man Show in UCF Gallery of 50 etchings.

RIVERS, R. Catalogue for NCC show.
BIOLOGICAL SCIENCES


CHEMISTRY


COMMUNICATION


WYCOFF, E. B. and SMITH, R. "Listening ... The Other Side of the Interview," Collegiate Journalist, 6-8, (1985).
COMPUTER SCIENCE


ENGLISH


DONNELLY, J. Science Fiction and Fantasy Section, Chair, South Atlantic Modern Language Association, Atlanta, GA, November 1984.

GROVE, R. "I'm The One," Florida Review, XIII (i), (1984).


HEMSCHEMEYER, J. Translation of four poems by Anna Akhmatova, New Letters.

HEMSCHEMEYER, J. Translation of four poems by Anna Akhmatova, Mindus Atrium.

HEMSCHEMEYER, J. Translation of one poem by Anna Akhmatova, Southern Review.

HEMSCHEMEYER, J. Translation of fourteen poems by Anna Akhmatova, Northwest Review.


FOREIGN LANGUAGES


HISTORY


MATHEMATICS


MUSIC

RONEY, W. L. "Play On!" Weekly column of cultural commentary for Outlook. Also appears in La Prensa, weekly Spanish newspaper.


PHYSICS


POLITICAL SCIENCE


PUBLIC SERVICE ADMINISTRATION


SOCIAL WORK


SOCIOLOGY AND ANTHROPOLOGY


CHASE, A. F. "Troubled Times: The Archaeology and Iconography of the Terminal Classic Southern Lowland Maya," Fifth Palenque Round Table 1983 (Pre-Columbian Art Research Institute, San Francisco), 1985: Editor M. G. Robertson and V. M. Fields, 7, 103-144.

CHASE, D. Z. "Canned But Not Forgotten: Late Postclassic Archaeology and Ritual at Santa Rita Corozal, Belize," The Lowland Maya Postclassic (University of Texas), 1985: Editor, A. Chase and P. Rice, 104-125.


STATISTICS


COLLEGE OF BUSINESS ADMINISTRATION

DICK POPE SR., INSTITUTE OF TOURISM


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INSTRUCTIONAL PROGRAMS

ANDERSON, B. B. "The Informal Reading Inventory Instructional Level" in D. Read and G. Bohning's, Striving for Reading Excellence Through Research and Study, (Orlando, FL: Florida Reading Association) 1984, page 1.

ANDERSON, B. B. "Reliability of Reading Interest Assessment" in Striving for Excellence Through Research and Study (Orlando, FL: Florida Reading Association), 1984, page 17.


COLLEGE OF ENGINEERING

CIVIL ENGINEERING AND ENVIRONMENTAL SCIENCES


BECK, B. F. Environmental Geology, Guest Editor, April 1985.


WANIELISTA, M. P. "Stormwater Management for Pollutant Control," a pamphlet of the Polytechnic of Wales, Pontypridd, United Kingdom, June 1984.


ENGINEERING TECHNOLOGY

GRIFFITH, H. L. Developed a 20-minute TV Tape, "Student Projects for ETI 4522."

HEAD, C. M. and BECK, B. F. "Computer-Based Inventory of Recent Sinkhole Occurrences in Florida."


INDUSTRIAL ENGINEERING AND MANAGEMENT SYSTEMS


MECHANICAL ENGINEERING AND AEROSPACE STUDIES


COLLEGE OF HEALTH

COMMUNICATIVE DISORDERS


NURSING


RADIOLOGIC SCIENCES

MAYNARD, P. R. Chapter "Sectional Anatomy for Medical Imagers" in Merrills Atlas of Radiographic Positions and Radiologic Procedures by P. Ballinger.

FLORIDA SOLAR ENERGY CENTER


STUDENT AFFAIRS


CREATIVE WORKS
Exhibits, Performances
ART


CHAVDA, J. J. Logo Design for Letterhead, Calling Cards and general publicity India Association of Greater Orlando, April 1985.


GAUDNEK, W. Permanent Group Exhibition, Gallery Goetz, Stuttgart, Germany, Continued.

GAUDNEK, W. One-Man Exhibition, Labyrinth Maquettes, Marketparkasse Altonauester, Germany, August 10-September 14, 1984.


RIVERS, R. Loch Haven Member Show, Loch Haven Art Center, Junior: Hiram Williams, Orlando, Florida, June 1984. (Honorable Mention Award)


SKOGLUND, M. The making of a narrated videotape on the subject of Mayan Art and Architecture at the sites of Kabah, Uxmal, and Chichen Itza in Mexico. Also the making of a new survey of 250 slides on such sites as Kahah, Uxmal, Sayil, Labna, etc., Yucatan, Mexico.


COMMUNICATION

HALL, J. "We're Cooking Now," Produced 50 original video programs as part of the nationally syndicated television series, "We're Cooking Now," Programs aired in over 50 markets nationwide.

JOHNSON, F. L. "The Nutcracker," Participated in this production, Bob Carr Performing Arts Center, played the part of the maid, December 7-9, 1984.


JOHNSON, F. L. "1985 Miss Florida Show," Producer and director of this show which went on tour throughout the Caribbean for the Department of Defense, Summer 1985.


MUSIC

EUBANK, L. E.
Westinghouse, Orlando, FL, Board of Regents banquet, UCF Faculty Jazz Trio, September 13, 1984.
Starke Women's Club, Starke, FL, Santa Fe Community College Artist Series, UCF Faculty Jazz Trio, September 27, 1984.
Santa Fe Community College, Gainesville, Florida Artist Series, UCF Faculty Jazz Trio, September 28, 1984.
Bob Carr Performing Arts Center, Orlando, FL, Florida Symphony Orchestra subscription concert with Aaron Rosand as violin soloist, November 2, 1984.
Peabody Auditorium, Daytona Beach, FL, Florida Symphony Orchestra subscription concert with Aaron Rosand as violin soloist, November 1, 1984.
Bob Carr Performing Arts Center, Orlando, FL, Florida Symphony Orchestra, Saturday Night concert Series with Aaron Rosand as violin soloist, November 3, 1984.

Trinity Baptist Church, Apopka, FL, Christmas music - 3 performances, December 14-16, 1984.

Bob Carr Performing Arts Center, Orlando, FL, Florida Symphony Orchestra subscription concert with cellist Nathaniel Rosn as soloist, December 20, 1984.

Bob Carr Performing Arts Center, Orlando, FL, Florida Symphony Orchestra, Saturday Night Concert Series with cellist Nathaniel Rosen as soloist, January 10, 1985.

Bob Carr Performing Arts Center, Orlando, FL, Florida Symphony Orchestra subscription concert with Wildes-Prather and Meneely as soloists, January 11, 1985.

Bob Carr Performing Arts Center, Orlando, FL, Florida Symphony Orchestra, Saturday Night Concert Series with Wildes-Prather and Meneely as soloists, January 12, 1985.


Peabody Auditorium, Daytona Beach, FL, Florida Symphony Orchestra with violinist Joseph Pasquale as soloist, March 1, 1985.

Bob Carr Performing Arts Center, Orlando, FL, Florida Symphony Orchestra, Saturday Night Concert Series with violinist Joseph Pasquale as soloist, March 2, 1985.


FARINA, A. C.
Concerts - Siena, Firenze, Pienza, Assisi, Arrezzo, Montisi, Fiesole, and Fucecchio (all in Italy); July 15 - August 21, 1984.
Concert - with Susan McQuinn, Cocoa Beach, FL, October 20, 1984.
Concert - with Susan McQuinn, Loch Haven Art Center, Orlando, FL, November 17, 1984.

LESKO, E. S.
Concert - Park Lake Presbyterian Church, Orlando, FL, November 18, 1984.

OWENS, W. S.
Woodwind Quintet Recital - Daytona Beach Community College, Daytona Beach, FL, November 2, 1984.
Woodwind Quintet Recital - Brevard Community College, Cocoa, FL, November 9, 1984.
Woodwind Quintet Recital - Seminole Community College, Sanford, FL, November 12, 1984.

PICKERING, R.
Series of performances (orchestral, opera, chamber music) - Brevard Music Center, Brevard, NC, June 24 - August 13, 1984. (Solo performance, July 19, 1984.)
Performances with brass choir (transcription by Roy Pickering), September 25, 1984; November 29, 1984; April 11, 1985.
Bass trombone soloist - performance at Daytona Beach Community College, Daytona Beach, FL, November 2, 1984.
Performance - Designers' Show House (for Orlando Opera Guild), Lake Mary, FL, March 24, 1985.
Brass choir performance - Park Lake Presbyterian Church, Orlando, FL, April 11, 1985.

RONEY, W. L.
Concert - Lock Haven Art Center, Orlando, FL, October 8, 1984.
Concert - Florida State University, Tallahassee, FL, October 15, 1984.
Concert - with Dr. J. Gary Wolf, Pianist, Florida State University, Tallahassee, FL, December, 1984.
Concert - Daytona Beach Community College, Daytona Beach, FL, February 10, 1985.

WHITNEY, J. C.
Concert - with UCF Faculty Jazz Trio, Starke Women's Club, September 27, 1984.
Concert - with UCF Faculty Jazz Trio, Santa Fe Community College, Gainesville, FL, September 28, 1984.
Concert - with String Quartet, Loch Haven Art Center, Orlando, FL, November 17, 1984.
WOLF, J. G.
Solo Piano Recital - Friday Morning Musicale, Federated Music Club, Daytona Beach, FL, January 18, 1985.
Solo performance at Delius Festival, Jacksonville University, Jacksonville, FL, March 7, 1985.
Chamber Music Recitals - Music Clubs of America, Franklin Center for Performing Artists, Festival Concerts, Franklin, NC, August 1-5-9, 1985.

WRANCHER, E.
Concert - Grace United Methodist Church, Indianapolis, IN, July 29, 1984.
Concert - Howell Branch Baptist Church, Maitland, FL, August 5, 1984.
Concert - North Park Baptist Church, Orlando, FL, January 10, 1985.
Concert - Grace United Methodist Church, Indianapolis, IN, May 12, 1985.
Concert - Indianapolis, IN, May 19, 1985.

THEATRE


MCKAY, M. L. and Head, F. Co-authored a play Into Each Life, Southeastern Theatre Conference play competition, finished in the top ten, March 1985.

MCKAY, M. L. Directed the University Theatre's production of Dracula, October-November, 1984.

MCKAY, M. L. Directed the University Theatre's production of The Mikado, April 1985.

MCKAY, M. L. Directed the "Spare Change Players" repertory company in original adaptations of nursery rhymes for a children's performance at the annual UCF Threshold Run; and A Christmas Carol, December 1984.

MCKAY, M. L. Directed a Mummer's Play, St. George and the Dragon, for the UCF Madrigal Dinner, December 1984.

INSTRUCTIONAL PROGRAMS

PRESENTATIONS
International or National Meetings
BIOLOGICAL SCIENCES


CHEMISTRY


COMMUNICATION


COMPUTER SCIENCE


ENGLISH


FOREIGN LANGUAGES


HISTORY


MATHEMATICS


DEBNATH, L. "Nonlinear Waves in Non-Dissipating and Dissipating Media," Mathematics Department, Jadavpur University, India, December 1984.


POLITICAL SCIENCE


PSYCHOLOGY


PUBLIC SERVICE ADMINISTRATION


SOCIAL WORK


SOCIOLOGY AND ANTHROPOLOGY


STATISTICS


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DICK POPE, SR. INSTITUTE FOR TOURISM STUDIES


ECONOMICS

FRITZ, R. G. "Dynamic Model of Regional Tourism Site Development," The Fifth International Symposium on Forecasting, Montreal, Canada, June 1985.


FINANCE


MANAGEMENT


MARKETING


RUBIN, R. S. "Using the Microcomputer to Teach Marketing Research Data Analysis Skills," American Marketing Association Meeting on Microcomputers in Marketing Education, Louisiana State University, Baton Rouge, LA, October 1984.

COLLEGE OF EDUCATION

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EDUCATIONAL SERVICES


CORNELL, R. A. "The Use of AECT Postsecondary Standards for College and University Resources Programs," Association for Educational Communications and Technology Convention, Anaheim, CA, January 1985.


INSTRUCTIONAL PROGRAMS


HOPKINS, M. H. "Using LOGO to Diagnose Problem-Solving Skills," Austin TX, April 1985.


COLLEGE OF ENGINEERING

CIVIL ENGINEERING AND ENVIRONMENTAL SCIENCES


COMPUTER ENGINEERING


ELECTRICAL ENGINEERING AND COMMUNICATIONS SCIENCES


PHILLIPS, R. L. and ANDREWS, L. C. "The I-K Distribution as a New Model for Intensity Fluctuations and Its Relationship to the K Distribution,"

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HISTORY


HUMANITIES, PHILOSOPHY AND RELIGION


MATHEMATICS


MUSIC


PHYSICS


POLITICAL SCIENCE


PSYCHOLOGY


BROPHY, J. C. "Organizing a Faculty Office Using a Microcomputer," The 7th Annual Institute for Teaching Psychology, San Diego, CA, December 1984.


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INSTRUCTIONAL PROGRAMS

ANDERSON, B. B. "What is the Instructional Level," Florida Reading Association Annual Convention, Jacksonville, FL, October 1984.


COLLEGE OF ENGINEERING

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COLLEGE OF HEALTH

NURSING


MEDICAL RECORDS


MEDICAL TECHNOLOGY


RADIOLOGIC SCIENCES


MAYNARD, P. R. "Radiographic Quality," Central Florida Society of Radiologic Technologists, Orlando, FL, October 1984.


FLORIDA SOLAR ENERGY CENTER


STUDENT AFFAIRS


PRESENTATIONS
Seminars at Another University or Before an Audience of One’s Peers
BIOLOGICAL SCIENCES


WODZINSKI, R. J. "Optimization of the Methane Fermentation: Microbiology and Economics," Microbiology Department, Georgia State University, Atlanta, GA, May 1985.


COMMUNICATION


HISTORY


MATHEMATICS


SHERWOOD, H. A. Functional Inequality Arising in Products of Spaces, University of Waterloo, Canada, June 1984.

MUSIC


PHYSICS

BOLEMON, J. S. "Refraction of Waves," University of South Florida, Tampa, FL, April 1985.


SOCIAL WORK


**COLLEGE OF BUSINESS ADMINISTRATION**

**ACCOUNTING**


ANDERSON, H. R. "Current Changes in Accounting Education," Beta Alpha Psi Banquet, Southern Methodist University, Dallas, TX, November 1984.


**DICK POPE, SR. INSTITUTE FOR TOURISM STUDIES**


PIZAM, A. "Marketing India Abroad," Indian Association of Tour Operators, New Delhi, India, August 1984.


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**COMPUTER ENGINEERING**


SIMONS, F. O. Non-Linear Controls Seminar to Doty for Martin, Orlando, FL, November 1984.


**ENGINEERING TECHNOLOGY**


**INDUSTRIAL ENGINEERING AND MANAGEMENT SYSTEMS**


WHITEHOUSE, G. E. "Effective Utilization of the Microcomputer by the Industrial Engineer," sponsored by the Institute of Industrial Engineers. Atlanta, GA, July 1984
Atlanta, GA, September 1984
Atlanta, GA, October 1984
Atlanta, GA, January 1985
Atlanta, GA, March 1985

MECHANICAL ENGINEERING AND AEROSPACE STUDIES


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FLORIDA SOLAR ENERGY CENTER


KETTLES, C. M. "Single Permitting/Model Ordinance," Presentation to Palm Beach County Building Officials, Palm Beach, FL, July 1984.


STUDENT AFFAIRS


EXTERNAL FUNDING

Contracts and Grants

$7,095,823.00
RESEARCH EXPENDITURES BY BUDGET CATEGORY

- **Supplies, Materials & Other Expenses**: $1,315,689 (19.93%)
- **Faculty Salaries Academic Year**: $774,197 (11.73%)
- **Student Support**: $1,238,685 (18.77%)
- **Other Contractual Services**: $258,910 (3.92%)
- **Travel**: $472,636 (7.16%)
- **Equipment**: $322,468 (4.89%)
- **Fringe Benefits**: $308,625 (4.89%)
- **Other Personnel**: $1,297,203 (19.65%)
- **Faculty Salaries Summer**: $813,622 (9.30%)
### ADMINISTRATIVE OFFICES

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<thead>
<tr>
<th>Principal Investigator</th>
<th>Title</th>
<th>Amount</th>
<th>Agency</th>
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<td>A. M. Allison</td>
<td>TIC 1985</td>
<td>$141,752</td>
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<td>R. L. Arnold</td>
<td>AV Support</td>
<td>7,373</td>
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<td>R. Atwell</td>
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<td>J. W. Gracey</td>
<td>Cooperative Education</td>
<td>2,883</td>
<td>Parks-Jagger</td>
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<td>Parks-Jaggers Students</td>
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<td>Int. Laser Systems</td>
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<td>ILS - Students</td>
<td>1,581</td>
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<td>R. Handberg</td>
<td>McKnight Faculty</td>
<td>15,000</td>
<td>McKnight Program</td>
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**TOTAL** $1,217,206

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<td>A. Pozefsky</td>
<td>STAC VII</td>
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<td>S. L. Rice</td>
<td>EIES - Tribology Equipment</td>
<td>$5,000</td>
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<td>G. F. Schrader</td>
<td>EIES Equip. Maint. &amp; Rent</td>
<td>$300</td>
<td>S. S. Kuo</td>
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<td>F. O. Simons</td>
<td>Student Tech. Support III</td>
<td>$24,966</td>
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<td>L. L. Smith</td>
<td>EIES-Work Physiology</td>
<td>$4,299</td>
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<td>H. C. Towe</td>
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<td>$14,561</td>
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<td>R. A. Walters</td>
<td>EIES-Fiber Optic Sensors</td>
<td>$4,781</td>
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<td>R. A. Walters</td>
<td>Temperature Sensors</td>
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<td>M. P. Wanielista</td>
<td>EIES-Well Quality</td>
<td>$8,233</td>
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<td>M. P. Wanielista</td>
<td>Groundwater Contamination</td>
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<td>M. P. Wanielista</td>
<td>Drainage Well Study</td>
<td>$13,929</td>
<td>DRM&amp;P</td>
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<td>M. P. Wanielista</td>
<td>EIES-Research Exploration</td>
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<td>UCF/EIES</td>
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<td>G. E. Whitehouse</td>
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<td>G. E. Whitehouse</td>
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<td>Y. A. Yousef</td>
<td>EIES-Retention Basins</td>
<td>$1,100</td>
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**TOTAL** | **$1,156,654** |
## COLLEGE OF HEALTH

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<th>Principal Investigator</th>
<th>Title</th>
<th>Amount</th>
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<td>T. J. Edwards</td>
<td>Radiologic Technology FY85</td>
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## FLORIDA SOLAR ENERGY CENTER

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<th>Principal Investigator, Co-Investigators</th>
<th>Title</th>
<th>Amount</th>
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<tr>
<td>D. L. Block, S. Chandra, P. W. Fairey</td>
<td>Ocean Thermal Energy (mod)</td>
<td>24,750</td>
<td>SERI</td>
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<td>D. L. Block</td>
<td>Design/Cost Study</td>
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<td>S. Chandra, P. W. Fairey</td>
<td>Residential Conservation</td>
<td>79,853</td>
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<td>S. Chandra</td>
<td>Ventilation Handbook</td>
<td>5,000</td>
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<td>Hybrid Power System</td>
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<td>C. J. Cromer</td>
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<td>Brookhaven Lab.</td>
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<td>P. W. Fairey</td>
<td>Nocturnal Radiation</td>
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<td>H. M. Healey</td>
<td>Water Control System</td>
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<td>SFWMD</td>
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<td>M. K. Khattar</td>
<td>Heatpipe Applications</td>
<td>48,862</td>
<td>NASA</td>
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<td>D. E. LaHart</td>
<td>Designing Homes</td>
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<td>W. R. McCluney</td>
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<td>J. D. Roland</td>
<td>Roof Structures</td>
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<td>Florida Power/Light</td>
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<td>G. G. Ventre</td>
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<td>R. K. Vieira, D. Kilfoyle</td>
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<td>M. M. Yarosh</td>
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<td>NBS</td>
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<td>M. M. Yarosh, T. Merrigan</td>
<td>Educational Facilities</td>
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INTERNALLY FUNDED AWARDS

$129,623.00

Computer equipment support. J. C. Brophy.

Duplication costs for questionnaire. W. R. Brown.

Vehicle donated to University for research use.

D. Z. Chase, A. F. Chase.

Fatehpur Sikri: The Imperial Ghost City. J. J. Chavda.


Quantitative analysis of enzyme pattern formation in Drosophila imaginal discs. G. N. Cunningham.

Computer program and data security. J. R. Driscoll.

Study of newspaper endorsements. F. E. Fedler.

Printing posters for art show. W. Gaudnek.

Support for travel to Wright Patterson AFB for human factors funding. R. D. Gilson.

The development of generalized information systems through knowledge engineering. D. W. Isner.

Travel to meet with funding agency officials. G. W. Jaffee.

Matching support for ongoing research on D. melanogaster. D. T. Kuhn.

Physical measurement of particulate aerosols. R. A. Llewellyn.


Travel to present paper at Aquatic Plant Management Society meeting. J. A. Osborne.


Study of consistent estimation in nonlinear regression. G. D. Richardson.

Travel to meeting of Florida Institute of Oceanography as University representative. F. F. Snelson.

Provision of outboard motor for research boat. F. F. Snelson.

Provision of computer and supplies for research. H. C. Sweet.

Study of automatic processing and the word-letter effect. M. H. Thomas.

Support for travel to Human Factors Society meeting. J. J. Turnage.

Study of acid deposition, and the political content of the issue within the United States. M. E. Vittes.

Match for NEH Summer Institute on editing music of the classic period. D. Voelker.

Support for visiting art professor from Scotland. C. Wellman.

Environmental and biogeographic computer-assisted data retrieval and analysis. H. O. Whittier.

Travel to conference on Molecular Aspects of Protein Secretion and Assembly. R. J. Wodzinski.

Travel to meet with Harris Corporation for possible research funding. D. A. Workman.

TOTAL

80,837
**COLLEGE OF BUSINESS ADMINISTRATION**

Study of the impact of changes in exchange rates on the demand for Central Florida tourism services. A. E. Day. 4,317

Study of corporate abuse of the pension plan termination provision. S. S. Graham. 4,937

An empirical examination of debt repayment problems experienced by some countries. J. Madura. 4,993

Forecasting regional employment and income with a conjoined time-series/input-output model approach. W. W. McHone. 4,993

**TOTAL** 19,240

**COLLEGE OF EDUCATION**

Travel to annual meeting of the Association for Educational Communications and Technology. R. A. Cornell. 100

Study of logotherapy as a suicide prevention strategy for the school-aged child. J. A. Crocitto. 4,996

Support to study telecommunications for University. L. R. Hudson. 41

Study of interactive video. G. W. Orwig. 1,640

**TOTAL** 6,777

**COLLEGE OF ENGINEERING**

Support to attend International Conference on Robotics. A. J. G. Babu. 251

Investigation of the temperature dependance of stress corrosion cracking of implant alloys. V. Desai. 5,000

Formation of toxic organic compounds during chlorination of metal finishing wastewaters. J. D. Dietz. 4,961

Travel support for funding development. D. C. Malocha. 369

Cost of reprinting published article. S. R. Rice. 380

Research support for computer use. J. S. Taylor. 400

**TOTAL** 11,361

**FLORIDA SOLAR ENERGY CENTER**

Feasibility study for the design of solar powered pumping systems. H. M. Healey. 1,458

Study of moisture removal degradation in air conditioners. M. K. Khattar. 4,950

Funding for a low altitude wind survey of coastal Florida. D. Kilfoyle. 5,000

**TOTAL** 11,408