Research activities & annual reports, July 1, 1983 - June 30, 1984

University of Central Florida

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Research & Scholarly Achievements

Volume 3

July 1, 1983 — June 30, 1984

University of Central Florida
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1. Introduction

This publication is the third annual summary of scholarly activities at the University of Central Florida. It is for the period from July 1, 1983 to June 30, 1984. 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, 1983. Much of the work done during this year will be formally reported after June 30, 1984.

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. Allowed exceptions to this criterion may appear in the categories "Proceedings" and/or "Other Scholarly Works". The former of these two, "Proceedings" appears for the first time.

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.

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. Proceedings
   D. Other Scholarly Work

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 in only one place (in the Department of the first UCF Author cited) but all UCF authors have 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 the various categories 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.

*Unless the city's location is obvious (as with New York or San Francisco) and it cannot be confused with another city of the same name, include the state (or country, if applicable) when listing the place of publication.

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), Volume Number (underlined) and Issue Number, if any, (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.

Other Scholarly Works

Depending on the type of work, the format should closely follow other formats described in these notes. Thus a chapter within a book would closely parallel the book format as follows: Authors (Last Name, Initials [if UCF Faculty, entire name should be in caps]), Book Title (underlined), (Location: Publishers Name), Year When Actually Published: Editor, Chapter Number, Pages involved.

Examples


Similarly, an unrefereed article would closely parallel the format for "Articles in a Professional Journal". In those cases where no parallel exists, the format should be brief, complete and contain sufficient information to identify and locate the article.

Proceedings

The following simplified format should be used. Authors (Last Name, Initials [if UCF Faculty, entire name in caps]). Title of talk (in quotation marks), Proceedings of ..... etc (all underlined), Year (in parentheses). For example:


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
BOOKS AND MONOGRAPHS
BIOLOGICAL SCIENCES


COMMUNICATION


HISTORY


MATHEMATICS


ACCOUNTING


ECONOMICS

RUNGELING, B. Public Service Employment in the Rural South (Austin, Texas: Bureau of Business Research-University of Texas) 1984, 143 pages.

FINANCE

MARKETING

COLLEGE OF EDUCATION

EDUCATIONAL FOUNDATIONS

EDUCATIONAL SERVICES

INSTRUCTIONAL PROGRAMS
THOMPSON, R. A. and Allen, I. Leadership for Effective Reading Instruction (Orlando, FL: Education Services) 1983, 165 pages.

COLLEGE OF ENGINEERING

CIVIL ENGINEERING

ELECTRICAL ENGINEERING

ENGINEERING TECHNOLOGY
INDUSTRIAL ENGINEERING


MECHANICAL ENGINEERING

ARTICLES
International Journals
BIOLOGICAL SCIENCES


CHEMISTRY


COMMUNICATION


COMPUTER SCIENCE


ENGLISH


FOREIGN LANGUAGES


HISTORY


HUMANITIES, PHILOSOPHY AND RELIGION


MATHEMATICS


MUSIC


PHYSICS


POLITICAL SCIENCE


PSYCHOLOGY


PUBLIC SERVICE ADMINISTRATION


SOCIAL WORK


SOCIOLOGY AND ANTHROPOLOGY


STATISTICS


THEATRE


COLLEGE OF BUSINESS ADMINISTRATION

ACCOUNTING


ECONOMICS


FINANCE


MANAGEMENT


MARKETING


COLLEGE OF EDUCATION

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COLLEGE OF ENGINEERING

CIVIL ENGINEERING


INDUSTRIAL ENGINEERING


MECHANICAL ENGINEERING


COLLEGE OF HEALTH

MEDICAL RECORDS ADMINISTRATION


NURSING

RESPIRATORY THERAPY


FLORIDA SOLAR ENERGY CENTER


ARTICLES
Regional Journals
COLLEGE OF ARTS AND SCIENCES

BIOLOGICAL SCIENCES


HISTORY


MUSIC


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SOCIAL WORK


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PROCEEDINGS
COLLEGE OF ARTS AND SCIENCES

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ELECTRICAL ENGINEERING


MECHANICAL ENGINEERING


OTHER SCHOLARLY WORKS
ART


BIOLOGICAL SCIENCES


CHEMISTRY


COMMUNICATION


COMPUTER SCIENCE


ENGLISH


PRICE, M. "Word Cards," Potpourri 8: Teaching Ideas, ed. Marilyn Kahl, Southland Council of Teachers of English, (n d.)

FOREIGN LANGUAGES


DI PIERRO, J. C. and Bersia, J. C. Editors of The Transnational Studies Association Report, quarterly publication of the Transnational Studies


MATHEMATICS


MUSIC

GARDNER, J. Host - Florida Bandmasters Association Summer Convention, UCF Campus, Orlando, FL, (1983).

GARDER, J. Keynote Speaker, Florida Bandmasters Association Summer Convention, UCF Campus, Orlando, FL, (1983).


RONEY, L. The column of Music Commentary, appearing monthly, entitled PLAY ON! in the Arts Magazine, Center Stage, (Every month: 12 Articles).

RONEY, L. Translation - FIDELIO, Ludwig van Beethoven - music of "Florestan" and of "Leonore" translated from German to English, for performance with the Florida Symphony Orchestra in May 1984.

RONEY, L. Translation - MARIE MAGDELEINE, Jules Massenet - entire opera translated from French to English for upcoming performance with the Florida Symphony Orchestra.

RONEY, L. Member of Editorial Board: FLORIDA REVIEW, UCF Literary Magazine.

PHYSICS


POLITICAL SCIENCE


PSYCHOLOGY


STATISTICS


COLLEGE OF BUSINESS ADMINISTRATION

ACCOUNTING


ECONOMICS


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COLLEGE OF EDUCATION

EDUCATIONAL FOUNDATIONS


EDUCATIONAL SERVICES


INSTRUCTIONAL PROGRAMS


COLLEGE OF ENGINEERING

CIVIL ENGINEERING


INDUSTRIAL ENGINEERING

WHITEHOUSE, G. E. Institute for Industrial Engineering Micro Software
Economic Analysis-IBM PC Version
Production Control-IBM PC Version
Work Measurement-IBM PC Version
Project Management-IBM PC Version
Forecasting-IBM-PC Version
Operations Research-IBM PC Version
Operations Research-APPLE Version
Operations Research-Radio Shack Version

COLLEGE OF HEALTH


RADIOLOGIC SCIENCES


FLORIDA SOLAR ENERGY CENTER


CREATIVE WORKS
Exhibits, Performances
ART


LOTZ, S. One-man Exhibition, Works by Steve Lotz, Wright Art Center, Delta State University, Cleveland, Mississippi, November 6-23, 1983.


WELLMAN, C. Group Exhibition - Photo Flo, National Exhibition and Symposium, University of Texas at Arlington, Texas, October 4 - November 8, 1983.


MUSIC

EUBANK, L.

Performance - St. John's Lutheran Church, Winter Park, FL, Artist Series Orchestra, October 1983.
Concert - The Club, Orlando, FL, UCF Faculty Jazz Trio, Concert, November 9, 1983.
Concert - Bob Carr Performing Arts Center, Orlando, FL, Florida Symphony Orchestra, subscription concert with Gary Graffman as soloist, bass section, December 1, 1983.
Concert - Peabody Auditorium, Daytona Beach, FL, Florida Symphony Orchestra, subscription concert with Gary Graffman as soloist, bass section, December 2, 1983.

Concert - Bob Carr Performing Arts Center, Orlando, FL, Florida Symphony Orchestra Saturday Night Concert Series, bass section, December 3, 1983.


Performance - EPCOT Center, Kissimmee, FL, Mantovani Orchestra and Carol Lawrence Holiday Show - 4 performances scheduled each day for a total of 72, December 14-31, 1983.


Concert - Bob Carr Performing Arts Center, Orlando, FL, Florida Symphony Orchestra, subscription concert with John Browning as soloist, bass section, January 12, 1984.

Concert - Peabody Auditorium, Daytona Beach, FL, Florida Symphony Orchestra, subscription concert with John Browning as piano soloist, bass section, January 13, 1984.

Performance - Palace Hotel, Buena Vista, FL, UCF Faculty Jazz Trio, convention dinner music, January 14, 1984.

Concert - West Palm Beach Auditorium, West Palm Beach, FL, Florida Symphony Orchestra, subscription concert with John Browning as piano soloist, bass section, January 15, 1984.


Concert - Presbyterian Church, Lake Wales, FL, concert sponsored by Lake Wales Arts Council and a grant from the Florida Department of State, Schubert's "Trout Quintet," February 6, 1984.


Concert - Howard Junior High School, Orlando, FL, UCF Orchestra concert, bass section, March 7, 1984.

Concert - Bob Carr Performing Arts Centre, Orlando, FL, Florida Symphony Orchestra subscription concert, bass section, April 12, 1984.

Concert - College Park Baptist Church, Orlando, FL, concert, April 15, 1984.

Concert - All Saints Episcopal Church, Winter Park, FL, Good Friday concert, chamber orchestra, April 20, 1984.


Concert - Enyart-Alumni Field House, Rollins College, Winter Park, FL, Florida Symphony Orchestra graduation concert with Zachary Dunbar as soloist, bass section, April 24, 1984.


FARINA, A.
International Piano Pedagogy symposium, Bolzano, Italy, Class with Olsou, Hilley, Carp, John Perry, and other noted musicians, did chamber music playing with violinist and cellist, also ensemble with other pianists, August 1-14, 1983.
Delivered lecture on dynamic terms for international Piano Pedagogy workshop at Bolzano, Itlay, August 1-14, 1983.
Solo piano performance on William Hoskin's Recital at Jacksonville University, November 19, 1983.
Harpichord performance with flutist Susan McQuinn at Tusawilla, FL, December 8, 1983.

GARDNER, J.
Clinician - Florida All-Star Marching Band, Tampa, FL, August 1-6, 1983.
Clinician - Lee County Honors Band, Fort Myers, February 8-9, 1984.
Featured Performance by UCF Wind Ensemble with Gary Wolf soloist and Karl Husa Guest Conductor for College Band Directors National Association Conference, January 27, 1984

LESKO, E.

OWENS, S.

PICKERING, R.
Numerous performances with the Brevard Music Center Festival Orchestra, June 26 - August 14, 1983.
Performed and Conducted UCF Trombone Ensemble performances at Red Bug Elementary in Seminole County, November 18, 1983.
Conducted a mass trombone Christmas program at the Altamonte Mall, Altamonte Springs, FL, December 5, 1983.
Directed Orchestra Brass section for special music at College Park Baptist Church, Orlando, FL, April 15, 1984.
Directed Brass Quartet Performance for special Easter Music at First Presbyterian Church, Eustis, FL, April 22, 1984.
Bass Trombone Soloist at Brevard Community College, Cocoa, FL, November 4, 1983.
Bass Trombone Soloist at Seminole Community College, Sanford, FL, November 7, 1983.

RONEY, L.
Performance - German Welcome in Song to Ex-Bundeskanzler Helmut Schmidt of West Germany, President's Circle, 1984.
Recital - Karel Husa Songs with composer present, 1984.
Recital - Samuel Adler songs, composer present, Atlantic Center for the Arts, New Smyrna, FL, 1983.

WHITNEY, J.
Conductor - UCF Community Symphony Orchestra, Central Florida area, 6 performances, 1983-1984
Terrie Richards Quintet, piano, Gold Key Inn, Orlando, FL, August 1-6, 1983.
Piano with trio and Don Hemminger, Brazil's, Maitland, FL, August 22, 1983.
Piano with trio and Ira Sullivan, Brazil's, Maitland, FL, September 19, 1983.

Jazz Lab at Homecoming, UCF, October 1, 1983.

Piano with trio, Citrus Club, Orlando, FL, October 6, 1983.
Piano with trio, Citrus Club, Orlando, FL, October 13, 1983.

"Great American Jazz Piano Competition," Jacksonville and All That Jazz Festival, Jacksonville, FL, October 1983.

Jazz Lab at Band Knight, UCF, October 22, 1983.

Featured artist with trio, Brazil's, Maitland, FL, October 24, 1983.


Piano with trio and John Orsini, Brazil's, Maitland, FL, October 31, 1983.

Piano with trio, Citrus Club, Orlando, FL, November 4, 1983.

Premiere of "Fanfare" at Florida State Music Teachers Convention, Sarasota, FL, November 5, 1983.

Piano with trio and Vic Bird, Brazil's, Maitland, FL, November 7, 1983.

UCF Faculty Jazz Trio, Orlando Tennis and Racquet Club, Orlando, FL, November 9, 1983.

UCF Jazz Lab, Boone High School, Orlando, FL, November 10, 1983.

Piano with trio, Citrus Club, Orlando, FL, November 10, 1983.

Piano with trio at Pirrotta Home, Windermere, FL, November 11, 1983.

Piano with trio, Citrus Club, Orlando, FL, November 12, 1983.

Piano with trio, Imperial House, Winter Park, FL, November 12, 1983.

Piano with trio and Bill Allred, Brazil's, Maitland, FL, November 14, 1983.

Piano with trio and Terry Myers, Brazil's, Maitland, FL, November 28, 1983.

Violin with Mantovani Orchestra, Daytona Beach, FL, November 29, 1983.


Violin with Mantovani Orchestra, Punta Gorda, FL, December 1, 1983.

Violin with Mantovani Orchestra, Clearwater, FL, December 2, 1983.

Violin with Mantovani Orchestra, Leesburg, FL, December 3, 1983.

Violin with Mantovani Orchestra, Tupperware, Kissimmee, FL, December 4, 1983.


Piano with trio and Jackie Jones, Skyline/Champ's, Orlando, FL, December 9-10, 1983.


Piano with trio and Don Hemminger, Brazil's, Maitland, FL, December 12, 1983.


Solo piano, Holiday Inn (441), Orlando, FL, December 16, 1983.


Concertmaster with orchestra for "Messiah," College Park Baptist Church, Orlando, FL, December 18, 1983.

Piano with sextet for New Year's Eve, Bay Hill Country Club, Orlando, FL, December 31, 1983.
Conductor of Florida All-State Junior High Orchestra, Daytona Beach, FL, January 5-7, 1984.
UCF Faculty Jazz Trio, Dubs Dread Country Club, Orlando, FL, January 8, 1984.
Piano with trio and Joe Perkins, Brazil's, Maitland, FL, January 9, 1984.
Piano with trio and Joe King, Brazil's, Maitland, FL, January 16, 1984.
Piano with trio and Don Hemminger, Brazil's, Maitland, FL, February 13, 1984.
UCF Jazz Lab, Seminole Community College, Sanford, FL, February 16, 1984.
Credit Union Luncheon...piano with student quartet, UCF, February 22, 1984.
UCF Jazz Lab, Villa Nova Restaurant, Orlando, FL, February 27, 1984.
UCF Jazz Lab, Brevard Community College, Cocoa, FL, March 9, 1984.
Piano with trio and Don Hemminger, Brazil's, Maitland, FL, March 11, 1984.
Central Florida Jazz Society..piano with Mousey Alexander Quintet, Rosie O'Grady's, Orlando, FL, March 18, 1984.
Piano with Mousey Alexander Quintet, Brazil's, Maitland, FL, March 19, 1984.
KALEIDOSCOPE II. UCF Orchestra and Jazz Lab, Bob Carr, Orlando, FL, March 24, 1984.
Piano with trio and Skip Harding, Brazil's, Maitland, FL, April 2, 1984.
UCF Jazz Lab at WUCF Promotion, Lake Eola, Orlando, FL, April 7, 1984.
UCF Jazz Lab at Fire Chief's Convention, Marriott Hotel, Orlando, FL, April 11, 1984.
Violin with orchestra and chorus, College Park Baptist Church, Orlando, FL, April 15, 1984.
"Jazz A La Carte" with John Whitney Quartet, Maitland Art Center, Maitland, FL, April 29, 1984.

WOLF, J. G.
Music of Samuel Adler - Atlanta Center for the Arts, New Smyrna Beach, FL, Piano Sonata Breve; Violin/Piano Sonata with Sabina Micarelli, violin; 4 Songs with Louis Roney, tenor, August 19, 1983.
Solo Piano Recital - Spring Hill Music Club, Spring Hill, FL, October 7, 1983.
Friends of Music Concert - Sonata Recital with Sabina Micarelli, Winter Park Presbyterian Church, February 16, 1984.
Pianist with Elizabeth Holleque Martin, soprano, Cumer Art Gallery, Jacksonville, Ms. Holleque is national winner of Metropolitan Opera Auditions, February 26, 1984.

WRANCHER, E.
Solo concert for Indianapolis Hair Dressers Convention, Marat Auditorium, Indianapolis, IN, July 20, 1983.
Evening Sacred Concert for Aloma Baptist Church, Winter Park, October 2, 1983.
Morning concert soloist for Wednesday Music Club, Langford Hotel, Winter Park, FL, October 12, 1983.
Soloist with UCF Honors Choir and Orchestra (Vivalde's Gloria), St. Lukes Episcopal Cathedral, Orlando, FL, October 22, 1983.
Concert soloist in an Evening of Classical Sacred Music, Rolling Hills Community Church, November 6, 1983.
Soloist in UCF Choir and Orchestra (Bach Magnificat), St. Johns Lutheran Church, Orlando, FL, November 20, 1983.
Concert for Presbyterian Towers of Winter Park (Lakemont Avenue), December 19, 1983.
Soloist for New Year's Eve House Concert (John Gardinier's) Seville Place, Orlando, FL, December 31, 1983.

THEATRE


PRESENTATIONS
International Meetings
BIOLOGICAL SCIENCES


COMMUNICATION


COMPUTER SCIENCE


ENGLISH


FOREIGN LANGUAGES


HISTORY


HUMANITIES, PHILOSOPHY AND RELIGION


RISER, J. S. "Contribution to a Marxist Metaethics," XVII World Congress of Philosophy, Montreal, Canada, August 1983.

MATHEMATICS


PHYSICS


POLITICAL SCIENCE


MORALES, W. Q. "The Political Geography of Bolivian Foreign Policy," Eleventh International Meeting of the Latin American Studies Association, Mexico City, Mexico, September 1983.


PSYCHOLOGY


PUBLIC SERVICE ADMINISTRATION

BECKER, D. C. "Quinney and Wildeman Revisited. Do They Have the Answers?," American Society of Criminology, Denver, CO, November 1983.


SOCIAL WORK


SOCIOLoGY AND ANTHROPOLOGY


COLLEGE OF BUSINESS ADMINISTRATION

ECONOMICS


FINANCE


MANAGEMENT


MARKETING


RUBIN, R. S. "Using the Microcomputer in Transferring Data Analysis Skills," Society of Data Educators Annual Conference, Chicago, IL, April 1984.

COLLEGE OF EDUCATION

EDUCATIONAL FOUNDATIONS


EDUCATIONAL SERVICES


ORWIG, G. W. and CORNELL, R. A. "Instructional Technology Programs at the University of Central Florida," Simulators Conference Series, Norfolk, VA, April 1984.


INSTRUCTIONAL PROGRAMS


PAUGH, R. F. and Patterson, M. "Selected Approaches to Improved Dissemination," Vocational Education Dissemination Conference, Columbus, OH, November 1983.


COLLEGE OF ENGINEERING

CIVIL ENGINEERING


ENGINEERING TECHNOLOGY


INDUSTRIAL ENGINEERING


BIEGEL, J. "The Future of Computer Aided Manufacturing," Tampa Bay Chapter for the Numerical Control Society, Tampa, FL.


SMITH, L. "Visual Flight Simulation - Can We Get There from Here and Will It be Worth It?" Society for Computer Simulation Simulators Conference, Norfolk, VA, April 1984.


MECHANICAL ENGINEERING


COLLEGE OF HEALTH

NURSING


FLORIDA SOLAR ENERGY CENTER


PRESENTATIONS
Regional Meetings
COLLEGE OF ARTS AND SCIENCES

BIOLOGICAL SCIENCES


CHEMISTRY


COMMUNICATION


**COMPUTER SCIENCE**


**ENGLISH**


PRICE, M. "What's Right with the Passive?" Southeast Regional Council of Teachers of English, Atlanta, GA, October 1983.


**FOREIGN LANGUAGES**


**HISTORY**


MATHEMATICS


MUSIC

OWENS, W. S. "How to Keep the Clarinet in the Band," Florida Bandmasters Summer Conference, UCF Campus, Orlando, FL, August 1983.


WHITNEY, J. C. "Vermont All-State Orchestra Conductor," Vermont Music Educators Annual Convention, St. Albans, VT, May 1983.


PHYSICS


POLITICAL SCIENCE


PSYCHOLOGY


PUBLIC SERVICE ADMINISTRATION


HOLTEN, N. G. "Internships in Public Service Administration," Florida Political Science Association Convention, Orlando, FL, April 1984.

STATISTICS


THEATRE

ACCOUNTING


ECONOMICS


FINANCE


MANAGEMENT


MARKETING


COLLEGE OF EDUCATION

EDUCATIONAL FOUNDATIONS


MANNING, P. C. "I Can Do It All By Myself," National Science Teachers Association, Biloxi Area Convention, Biloxi, MS, December 1983.


EDUCATIONAL SERVICES


INSTRUCTIONAL PROGRAMS

ANDERSON, B. B. "Instructional Procedures for Administration of IRI's," Southeastern Regional, Meeting of the International Reading Association, Birmingham, AL, October 1983.


THOMPSON, R. A. "Can We Use Computers Effectively to Teach Reading?" Brevard County Reading Council, Cocoa, FL, January 1984.


MECHANICAL ENGINEERING


COLLEGE OF HEALTH

COMMUNICATIVE DISORDERS


RADIOLOGIC SCIENCES


RESPIRATORY THERAPY

CRITTENDEN, D. J. "Pulmonary Function Testing in the Office," American Association for Clinical Immunology and Allergy, Orlando, FL, October 1983.


FLORIDA SOLAR ENERGY CENTER


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

ART


LOTZ, S. "Gallery Talk," Delta State University. Art Department, Cleveland, MS, November 1983.


RIVERS, R. "Rivers' Prints, Howes' Paintings," University of Georgia Studies Abroad Program, Cortona, Italy, July 1983.

WELLMAN, C. "Photography, the Metamorphic Image," University Gallery, University of North Florida, Jacksonville, FL, October 1983.


BIOLOGICAL SCIENCES


CHEMISTRY


COMMUNICATION


COMPUTER SCIENCE


ENGLISH

SCHIFFHORST, G. J. "Composition and Literature: Bridging the Gap," Daytona Beach Community College, Daytona Beach, FL, January 1983.

FOREIGN LANGUAGES


HISTORY


HUMANITIES, PHILOSOPHY AND RELIGION


MUSIC


PHYSICS


POLITICAL SCIENCE


PSYCHOLOGY

BLAU, B. I. "Psychopharmacology in Outpatient Settings," Auburn University, Auburn, AL, April 1984.


SOCIOLOGY AND ANTHROPOLOGY

UNKOVIC, C. M. "What is Wrong with the Juvenile Delinquency System?" Orange County PTA and Nurses Association, and "Juvenile Delinquency - Directions for the Future," Orlando, FL, January 1984.
MANAGEMENT


COMISH, N. "Managerial Leadership," Space Coast Chapter of the American Production and Inventory Control Society (APICS), Melbourne, FL, September 1983.


MARKETING


COLLEGE OF ENGINEERING

CIVIL ENGINEERING


INDUSTRIAL ENGINEERING


ELECTRICAL ENGINEERING


MECHANICAL ENGINEERING


COLEGE OF HEALTH

COMMUNICATIVE DISORDERS


MULLIN, T. A. "Recent Advancements in Hearing Aid Technology," Deland Speech and Hearing Center, Deland, FL, October 1983.

NURSING


DORNER, J. "Alcoholism," Orlando Regional Medical Center, Fall 1983.


RESPIRATORY THERAPY


FLORIDA SOLAR ENERGY CENTER


CONTRACTS AND GRANTS
Externally Funded
### COLLEGE OF ACADEMIC AFFAIRS

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Title</th>
<th>Amount</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. M. Allison, M. Davidoff</td>
<td>84 TIC Operation</td>
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<td>1,266</td>
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<tr>
<td>R. L. Arnold</td>
<td>CLU Teleconferencing</td>
<td>425</td>
<td>PSSC</td>
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<td>R. L. Arnold</td>
<td>Kansas Conference</td>
<td>739</td>
<td>Kansas St. U.</td>
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<td>R. L. Arnold</td>
<td>AV Support</td>
<td>150</td>
<td>Various</td>
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<td>R. L. Arnold</td>
<td>ADVICE</td>
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**TOTAL** $589,390
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<td>10,630</td>
<td>Texas Instrument</td>
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<tr>
<td>R. J. Martin</td>
<td>Skin Voltage</td>
<td>32,311</td>
<td>DOD/NTEC</td>
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<td>R. J. Martin</td>
<td>Hydrophone Feedback</td>
<td>598</td>
<td>Actran Corp.</td>
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<td>A. Minardi, P. J. Bishop</td>
<td>Feedwater Heater</td>
<td>6,767</td>
<td>Westinghouse</td>
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<tr>
<td>C. E. Nuckolls</td>
<td>Crashworthiness</td>
<td>121,921</td>
<td>FAA</td>
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<td>B. W. Patz</td>
<td>EIES - Comp Gen Image II</td>
<td>4,825</td>
<td>UCF/EIES</td>
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<td>B. E. Petrasko, M. Belkerdid</td>
<td>EIES - Spread Spectrum</td>
<td>7,767</td>
<td>UCF/EIES</td>
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<td>R. L. Phillips</td>
<td>EIES - Res. Acquisition</td>
<td>850</td>
<td>UCF/EIES</td>
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<td>R. L. Phillips</td>
<td>Optical Scattering</td>
<td>15,730</td>
<td>NSF</td>
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<td>A. Pozefsky</td>
<td>STAC VI (8)</td>
<td>3,039</td>
<td>UF</td>
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<td>A. Pozefsky</td>
<td>STAC VII</td>
<td>39,600</td>
<td>UF</td>
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### COLLEGE OF ENGINEERING (continued)

<table>
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<th>Principal Investigator</th>
<th>Title</th>
<th>Amount</th>
<th>Agency</th>
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<tr>
<td>R. W. Radloff</td>
<td>Smart Mortar Shell</td>
<td>$6,212</td>
<td>Martin Marietta</td>
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<td>J. A. Sepulveda</td>
<td>EIES - Hospital Mgt.</td>
<td>7,416</td>
<td>UCF/EIES</td>
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<td>F. O. Simons</td>
<td>Student Technical Support</td>
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<td>DOD/NTEC</td>
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<td>F. O. Simons</td>
<td>IST/Student Tech Support</td>
<td>16,308</td>
<td>DOD/NTEC</td>
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<td>F. O. Simons</td>
<td>Algorithm Research</td>
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<td>EAI</td>
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<tr>
<td>F. O. Simons</td>
<td>CIG Data Bases</td>
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<td>DOD/NTEC</td>
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<tr>
<td>L. L. Smith</td>
<td>EIES - Res. Preparation</td>
<td>2,654</td>
<td>UCF/EIES</td>
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<tr>
<td>L. L. Smith</td>
<td>Human Factors Model</td>
<td>39,946</td>
<td>NASA</td>
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<tr>
<td>J. S. Taylor</td>
<td>THM Controls</td>
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<td>EPA</td>
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<td>H. C. Towle</td>
<td>IST/AI Support</td>
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<td>DOD/NTEC</td>
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<td>H. C. Towle</td>
<td>EIES - AI Background Dev.</td>
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<td>UCF/EIES</td>
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<td>R. A. Walters</td>
<td>EIES - Temp. Sensors</td>
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<td>UCF/EIES</td>
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<td>R. A. Walters</td>
<td>Temperature Detector</td>
<td>12,738</td>
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<td>M. P. Wanielista,</td>
<td>Lake Jackson</td>
<td>46,762</td>
<td>FL/DER</td>
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<td>M. P. Wanielista</td>
<td>IPA/Whitehouse</td>
<td>76,200</td>
<td>DOD/NTEC</td>
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<td>G. E. Whitehouse</td>
<td>Management Practices</td>
<td>60,140</td>
<td>FL/DOT</td>
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<td>Y. A. Yousef</td>
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<td><strong>TOTAL</strong></td>
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### COLLEGE OF EXTENDED STUDIES

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<th>Principal Investigator</th>
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<tbody>
<tr>
<td>C. J. Hutchinson</td>
<td>Challenge Conference</td>
<td>$9,150</td>
<td>FEH</td>
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<tr>
<td>C. J. Hutchinson</td>
<td>Growth Problems</td>
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<td>FEH</td>
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<td><strong>TOTAL</strong></td>
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### FLORIDA SOLAR ENERGY CENTER

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Title</th>
<th>Amount</th>
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<tbody>
<tr>
<td>S. Chandra</td>
<td>UF Solar Subcontract</td>
<td>$13,000</td>
<td>UF</td>
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<tr>
<td>C. J. Cromer</td>
<td>Conserv. Construction</td>
<td>48,826</td>
<td>Brookhaven Lab</td>
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<tr>
<td>O. G. Hancock</td>
<td>Tyndall PV House</td>
<td>7,000</td>
<td>Sandia Lab</td>
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<tr>
<td>H. M. Healey</td>
<td>Water Control System</td>
<td>26,000</td>
<td>SFWMD</td>
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<tr>
<td>C. M. Kettles</td>
<td>Solar Seminars</td>
<td>104,699</td>
<td>Various</td>
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<tr>
<td>M. K. Khattar</td>
<td>High-Eff. Dehumidifier</td>
<td>14,975</td>
<td>NASA</td>
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<tr>
<td>R. McCluney</td>
<td>Window Shading - FP&amp;L</td>
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<td>FP&amp;L</td>
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<td>T. J. Merrigan</td>
<td>Data Acquisition I</td>
<td>65,299</td>
<td>NCAEC</td>
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<td>J. D. Roland</td>
<td>Testing &amp; Analysis</td>
<td>67,495</td>
<td>Various</td>
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<td>L. C. Rotundo</td>
<td>Coastal Analysis</td>
<td>30,000</td>
<td>FL/DCA</td>
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<td>G. G. Ventre</td>
<td>SE Experiment Station</td>
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<td>DOE</td>
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<td>M. M. Yarosh</td>
<td>Low Energy Designs</td>
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<td>FL/GEO</td>
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<td><strong>TOTAL</strong></td>
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<td>Principal Investigator</td>
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<td>J. E. Dorner</td>
<td>DWI Counterattack</td>
<td>1,000</td>
<td>CFSC</td>
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<td>M. Kangelos</td>
<td>Health Workshop FY84</td>
<td>4,000</td>
<td>FL/DOE</td>
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<td>TOTAL</td>
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CONTRACTS AND GRANTS
Internally Funded Awards
<table>
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<tr>
<th>Description</th>
<th>Name</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Attend human-computer interaction seminar</td>
<td>D. W. Abbott</td>
<td>$458</td>
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<tr>
<td>Compression and management of database files</td>
<td>M. A. Bassioumi</td>
<td>$5,048</td>
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<td>American Sociological Association questionnaire</td>
<td>W. R. Brown</td>
<td>$50</td>
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<tr>
<td>High pressure study of isomer shift in $^{73}$Ge nuclei</td>
<td>L. Chow</td>
<td>$5,247</td>
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<tr>
<td>Preamplifier for a proportional counter</td>
<td>L. Chow</td>
<td>$558</td>
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<tr>
<td>Travel to Washington about a grant with NIH officials</td>
<td>I. J. Cook</td>
<td>$357</td>
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<tr>
<td>National Science Foundation match</td>
<td>G. N. Cunningham</td>
<td>$5,300</td>
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<tr>
<td>Honorarium for Dr. Frank Harary lecture to Math Dept.</td>
<td>L. Debnath</td>
<td>$200</td>
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<td>Applied mathematical studies and impact of natural hazards on coastal and marine resources of Florida</td>
<td>L. Debnath</td>
<td>$6,000</td>
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<tr>
<td>Present paper at meeting in Utah</td>
<td>L. M. Ehrhart</td>
<td>$349</td>
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<tr>
<td>Critical, annotated edition of Alvar Nunez Cabeza de Vaca's La Relacion</td>
<td>J. B. Fernandez</td>
<td>$4,789</td>
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<tr>
<td>Support for research on Karl Heutlin</td>
<td>E. B. Fetscher</td>
<td>$710</td>
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<td>Reception costs for exhibition of new art works</td>
<td>W. Gaudnek</td>
<td>$1,459</td>
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<td>Air fare to San Francisco to meet with Dow Chemical</td>
<td>J. T. Gupton</td>
<td>$458</td>
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<td>Computer support</td>
<td>M. D. Hampton</td>
<td>$42</td>
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<td>Crown ether based ion selective membrane electrodes</td>
<td>M. D. Hampton</td>
<td>$5,271</td>
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<tr>
<td>Translation of the complete poems of Anna Akhmatova from Russian into English</td>
<td>J. Hemschemeyer</td>
<td>$5,889</td>
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<td>Parental awareness study</td>
<td>E. R. Hotaling</td>
<td>$100</td>
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<tr>
<td>Stipend to assist research in polymer-supported catalytic complexes</td>
<td>J. P. Idoux</td>
<td>$500</td>
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<td>Service contract on electron microscope</td>
<td>J. P. Idoux</td>
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<td>Research support</td>
<td>J. P. Idoux</td>
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<td>Video recorder</td>
<td>K. J. Kazmerski</td>
<td>$86</td>
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<tr>
<td>National Science Foundation match</td>
<td>D. T. Kuhn</td>
<td>$5,100</td>
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<tr>
<td>Investigation of graphics paradigms and their potential in business data processing applications</td>
<td>J. J. Leeson, D. Workman.</td>
<td>$5,941</td>
</tr>
<tr>
<td>Description</td>
<td>Author</td>
<td>Amount</td>
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<tr>
<td>Bringing two consultants to Physics Department.</td>
<td>R. A. Llewellyn.</td>
<td>$750</td>
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<tr>
<td>General research support to Physics Department.</td>
<td>J. H. Noon.</td>
<td>$750</td>
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<tr>
<td>Membership fee in Council for Chemical Research.</td>
<td>G. Mattson.</td>
<td>$500</td>
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<tr>
<td>Study directors of the American musical theatre.</td>
<td>M. L. McKay.</td>
<td>$4,830</td>
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<tr>
<td>Slides for biology project.</td>
<td>J. A. Osborne.</td>
<td>$3</td>
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<td>Lath work and barriers for experimental pond.</td>
<td>J. A. Osborne.</td>
<td>$75</td>
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<td>Parts and labor repairing vehicle used in research.</td>
<td>J. A. Osborne.</td>
<td>$457</td>
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<td>Travel to International Statistical Institute and meetings on</td>
<td>P. N. Somerville.</td>
<td>$454</td>
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<td>research on statistical climatology.</td>
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<td>Research on Yuqui and Siriono Indians in Bolivia.</td>
<td>A. M. Stearman.</td>
<td>$1,500</td>
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<td>Computer, accessories, and software.</td>
<td>H. C. Sweet.</td>
<td>$2,445</td>
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<tr>
<td>Travel expenses in connection with a grant.</td>
<td>W. D. Tropf, C. Green.</td>
<td>$100</td>
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<td>Pet visitation effects.</td>
<td>R. D. Tucker.</td>
<td>$2,950</td>
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<td>Orchestral work with chorus.</td>
<td>J. C. Whitney.</td>
<td>$4,706</td>
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<td>Air fare to Panama City, FL to seek new sources of funding.</td>
<td>R. J. Wodzinski.</td>
<td>$212</td>
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<td>Karl Husa match.</td>
<td>J. G. Wolf.</td>
<td>$1,200</td>
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**COLLEGE OF BUSINESS ADMINISTRATION**

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<tr>
<th>Description</th>
<th>Author</th>
<th>Amount</th>
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<tr>
<td>Air fare to discuss funding with IBM.</td>
<td>R. J. Calantone.</td>
<td>$460</td>
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<tr>
<td>Pilot study for National Science Foundation.</td>
<td>R. J. Calantone.</td>
<td>$5,079</td>
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<tr>
<td>Air fare to discuss funding with IBM.</td>
<td>T. L. Campbell.</td>
<td>$460</td>
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<tr>
<td>Pilot study for National Science Foundation proposal.</td>
<td>M. S. Hollis.</td>
<td>$5,267</td>
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<tr>
<td>The impact of the international debt crisis on the banking industry.</td>
<td>J. Madura.</td>
<td>$5,901</td>
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<tr>
<td>Travel to Tallahassee to discuss STAR grant funding.</td>
<td>F. A. Raffa.</td>
<td>$156</td>
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<tr>
<td>Ethnic and sex effects on job preferences among college business students.</td>
<td>G. E. Stevens.</td>
<td>$4,910</td>
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**COLLEGE OF EDUCATION**

A comparison of strategy games to develop problem-solving skills of fourth-grade students. M. A. Hopkins. $4,338

Registration for international teleconference meeting. L. R. Hudson. $100

Interactive video disc. G. W. Orwig. $8,100

Video vision space shuttle mission reports. G. W. Orwig. $360

**COLLEGE OF ENGINEERING**

Air pollution model for Research Park. C. D. Cooper. $1,458

Efficiency of activated sludge final clarifiers. J. D. Dietz. $4,979

Reflection pattern and electrical properties of earth material by ground penetrating radar. S. S. Kuo. $4,994

**COLLEGE OF HEALTH**

Travel to Washington about a grant with NIH officials. V. G. Brinson. $238

Digital computer prescription amplification. H. A. Utt. $4,456

**FLORIDA SOLAR ENERGY CENTER**

Design of a surface condenser for OC-OTEC. M. A. Girgis. $5,401


**INSTITUTE FOR SIMULATION AND TRAINING**

Air fare to present paper at computer simulation conference. C. S. Bauer. $821

**FLORIDA SINKHOLE RESEARCH INSTITUTE**

Mathematical indices, Karst processes, and sinkhole development in Florida. B. F. Beck. $5,349

Travel expenses for conference trip. B. F. Beck. $400