

INTRODUCTION

The Division of Sponsored Research and Training was established in 1975 to provide a locus for organizing and administering the University's grant and contract activities. It is a part of the Office of Academic Affairs and reports to the Vice President for Academic Affairs. The Division director, Dr. Joyce Thomas Jones, is responsible for implementation and overall administration of sponsored programs. She is assisted by Mrs. Maggie Bowden, grants coordinator, and Mrs. Paula Meyer, the Division's secretary.

The Division is concerned with both pre and post award negotiations and procedures; assisting faculty and staff in preparing and submitting proposals, requesting funds for research, development and training programs. The four areas of responsibility assigned to the Division are:

1. To serve as the University liaison with outside funding agencies.
2. To provide sponsored program information services.
3. To coordinate the preparation and submission of proposals.
4. To administer grants and contracts.

The purpose of this report is to provide the University community and other interested publics with a summary and analysis of contract and grant activities for the period extending from July 1, 1981, through June 30, 1982. During this period the University submitted, on behalf of the faculty and staff, 79 proposals for funding to 21 different agencies. This effort represented requests totaling \$6,208,467. Of these, 34 were successfully funded for a total of \$1,067,245 in grant and contract funds. This represents a 58% increase over the previous year.

In terms of sources of support during (FY) 1981-82, 76% of the sponsored programs were funded by the Federal government, 11% were funded by the State government and the remaining 13% were funded through local government and private sources.

The listing of Research and Development Activities on page 12, is based upon an arbitrary classification system. In general, training programs involve the implementation of workshops, or the teaching of skills or the passing on of information. The applied research programs involve the solving of problems using research techniques or methods. Development programs are aimed at expanding the curriculum or services of the University.

It is particularly important to give recognition to those who applied but had their proposals declined. Often these proposals were excellent, as good or better than successful proposals, but other factors became involved, e.g., a minimal amount of funds in a particular area and a great deal of interest resulting in very stiff competition. Declined proposals can be modified, resubmitted and funded at a later date.

SUMMARY OF RESEARCH ACTIVITIES
ANNUAL RESEARCH REPORT
UNIVERSITY OF NORTH FLORIDA
July 1, 1981 through June 30, 1982

	<u>Number of Proposals</u>	<u>Number of Persons Submitting</u>	<u>Proposed Amount</u>
Proposals Submitted	79	52	6,208,467
Proposals Funded	34		1,067,245
Percent funded of proposals submitted	43%		
Percent awarded dollars requested	17.5%		

PROPOSALS SUBMITTED AND GRANTS-CONTRACTS AWARDED

<u>Department/ Division</u>	<u>Number of Proposals</u>	<u>Proposed Amount</u>	<u>Number Funded</u>	<u>Amount Funded</u>
College of Arts & Sciences				
Natural Sciences	3	405,350	2	60,682
History	2	1,750	1	750
Psychology	2	48,789	1	22,467
Political Science	7	156,767	1	29,895
Mathematical Sciences	1	8,175	1	7,975
Philosophy/Language/Literature	1	45,197	0	0
College of Business				
Business Administration	10	479,918	3	136,566
Center for Economic Education	1	17,000	1	17,000
Transportation & Logistics	3	781,716	1	128,128
College of Education				
Administration & Supervision	4	125,337	1	80,937
Elementary & Secondary Education	1	41,146	0	0
Special Education	3	207,303	1	23,175
Dean	7	1,395,849	3	290,057
Allied Health	1	44,026	0	0
Vocational & Technical Education	7	27,700	4	15,100
Guidance Education	6	70,866	2	19,291
Center for Aging & Adult Studies	2	97,420	1	6,805
Continuing Education	1	1,020	1	1,020
Office of Administrative Affairs	2	2,501,021	1	117,021
Student Affairs	5	90,094	2	40,230
Division of Sponsored Research	3	75,582	1	2,000
Computer Science	1	12,000	1	12,000
Division of Technologies	1	35,000	1	35,000
Division of Nursing	1	18,595	0	0
UNF Library	1	6,275	1	6,275
Special In-House Summer Research Awards	2	14,159	2	14,159
Student Government Association	1	712	1	712

RESEARCH DOLLARS PER FACULTY
AVERAGE TOTAL ANNUAL DOLLARS PER TOTAL FULL TIME

	<u>FY'80</u>	<u>FY'81</u>	<u>FY'82</u>
College of Arts & Sciences	1,406	1,321	2,255
College of Business Adm.	-0-	8,471	9,714
College of Education	10,051	6,104	16,988

Proposals Submitted and Grants-Contract Awarded

	<u># of Faculty</u>	<u>\$ Proposed</u>	<u>Proposed Per Faculty Member</u>	<u>Funded</u>	<u>Funded Per Faculty Member</u>
College of Arts & Sciences					
History/International Ed.	5	46,947	9,389	750	150
Mathematics	10	8,175	817	7,975	797
Natural Science	8	405,350	50,669	60,682	7,585
Psychology	12	48,789	4,066	22,467	1,872
Fine Arts	8	-0-	-0-	-0-	-0-
Sociology/Pol. Science	11	156,767	14,251	29,895	2,718
College of Business Administration					
Economics	3	17,000	5,666	17,000	5,666
Business Admin.	12	479,918	39,993	136,566	11,380
Accounting & Finance	12	-0-	-0-	-0-	-0-
Studies in Business	0	-0-	-0-	-0-	-0-
Transportation	2	781,716	390,858	128,128	64,064
College of Education					
Allied Health	6	44,026	7,338	-0-	-0-
Elem/Sec. Ed.	18	41,146	2,286	-0-	-0-
Guidance Ed.	2	70,866	35,433	19,291	9,645
Special Ed.	4	207,303	51,826	23,175	5,794
Adm. & Supervision	4	125,337	31,334	80,937	20,234
Voc. & Technical Ed.	2	27,700	13,850	15,100	7,550
Dean	1	1,395,849	1,395,849	290,057	290,057

1. Based on number of nine-month FTE per department.
2. Continuing Education, Center for Aging and Adult Studies, and other Sponsored Research programs are not included in these figures.
3. Proposals pending are not included in statistics.

RESEARCH EFFORTS BY COLLEGE/DIVISION

July 1, 1981 through June 30, 1982

COLLEGE OF ARTS AND SCIENCES

PROPOSALS FUNDED

Principle Investigator	Title or Subject	Amount Funded	Agency
Dr. Y. Chua	Computer Hardware Lab	7,975	NSF
Dr. J. Decker	Statewide Aging Network (STAR)	29,895	SUS
Dr. C. DeMort	Lab Equipment & Chemicals	25,000	Branchemo Inc.
Dr. L. Foley	YoCoShe Experiment	22,467	MF
Dr. J. Heubner	Photo Electric Membrane Probes	35,682	NIH
Dr. T. Leonard	Modern Jewish History	750	JCS
6	FY '82 Totals	121,769	
2	Previous Year Totals	67,387	

PROPOSALS DECLINED

Principle Investigator	Title or Subject	Amount Proposed	Agency
Dr. C. Rasche	The Future of Women in Criminal Justice	53,658	NIJ
Dr. S. Swart	Undergraduate Criminal Justice Ed. A Status Report	2,000	KF
Dr. S. Swart	" " "	2,000	HF
Dr. S. Swart	" " "	2,000	CC
Dr. S. Swart	" " "	2,000	FF
5	FY '82 Totals	61,658	
8	Previous Year Totals	832,834	

PROPOSALS PENDING

Principle Investigator	Title or Subject	Amount Proposed	Agency
Dr. M. Chamblin/ Ms. Fran Kling	Parental & Sexual Influences on Adolescents	26,322	HHS
Dr. J. Decker	UNF Center for Local Gov't Adm.	65,214	SUS
Dr. J. Huebner	Photo Electric Membrane Probes (Con't Research)	344,668	NIH
Dr. T. Leonard	Modern Jewish History	1,000	JCS
Dr. J. Maraldo	International Studies Foreign Culture	45,197	US/DOE
5	FY '82 Totals	482,401	

Research Efforts by College/Division
Continued

COLLEGE OF BUSINESS ADMINISTRATION
PROPOSALS FUNDED

Principle Investigator	Title or Subject	Amount Funded	Agency
Dr. J. Perry	Center for Economic Education	17,000	FCEE
Dr. L. Salter	Small Business Institute Program	11,750	SBA
Dr. L. Salter	Small Business Development Ctr.	84,730	SBA
Dr. L. Salter	State Technology Application	40,086	NASA/UF
Dr. J. Smith	Minority Participation/Motor Carrier II	128,128	DOT
5	FY '82 Totals	281,694	
4	Previous Year Totals	170,298	

PROPOSALS DECLINED

Principle Investigator	Title or Subject	Amount Proposed	Agency
Dr. J. Browning	Implementation of Purchasing Trng. Program (STAR)	17,594	SUS
Dr. R. Helsby	Collective Bargaining & Labor Contract Administration	12,000	DOE
Dr. L. Salter	Minority Business Development Ctr.	155,000	U.S./D.O.E.
3	FY '82 Totals	184,594	
3	Previous Year Totals	287,314	

PROPOSALS PENDING

Principle Investigator	Title or Subject	Amount Proposed	Agency
Dr. K. Horn	Utilization Selection & Performance Assessment Criteria	84,716	UMTA
Dr. Traynham/Mr. Kelley	Trng. for Public Transit Boards	77,000	UMTA
Dr. S. Paulson	Regulatory Impacts on Paper Pulp Mfg/St. John River Basin	118,033	NSF
Dr. S. Paulson	Quality Worklife Research Project	1,900	
Dr. S. Paulson	An Assessment for Tax Credit or Private Sector/Fla. SUS (STAR)	12,400	SUS
Dr. L. Salter	SBDC Export Assistance Development Program	28,175	SBA
6	FY '82 Totals	322,224	

Research Efforts by College/Division
Continued

COLLEGE EDUCATION
PROPOSALS FUNDED

Principal Investigator	Title or Subject	Amount Funded	Agency
Dr. B. Kimbrel	Inservice Trng. Activities Business Ed.	2,500	FDOE
Dr. J. Lombana	Specials Needs Prg. Handicapped	9,075	FDOE
Dr. J. Lombana	S.U.C.C.E.S.S.	10,216	FDOE
Dr. R. Singleton	H.E.P.	276,607	US/DOE
Dr. B. Soldwedel	Overcoming Sex Bias	6,688	FDOE
Dr. B. Soldwedel	Career Guidance Out-of-School Adults	6,762	FDOE
Dr. R. Suidzinski	Competency Based Teacher Trng./Special Ed.	23,175	US/DOE
Dr.'s Robinson/Tossie	Teacher Corps	80,937	US/DOE
Dr. S. Russell	Business & Inservice Trng. Program	4,200	FDOE
Dr. S. Russell	Industrial Ed.	4,200	FDOE
Dr. W. Wilkerson	Marketing & Distribution	4,200	FDOE
11	FY '82 Totals	428,560	
9	Previous Year	253,529	

PROPOSALS DECLINED

Principal Investigator	Title or Subject	Amount Proposed	Agency
Dr.'s W.Hodge/S.Coltrin	Personnel Management	12,000	FDOE
Dr. W. Morton	Development of Fla. Drivers Handbook	41,146	FDOE
Dr.'s Merwin/Nunnery/Healy	Principles of Mgmt. of Ed. Admin.	20,400	FDOE
Dr. J. Perkin	An Investigation of Contributions of Koolaid	44,026	GF Foods
Dr. T. Serwatka	Development of Assessment Instr. for Hearing Impaired Students & Multi. Handicapped	87,108	US/DOE
Dr. B. Soldwedel	Women in Administration	6,000	FDOE
Dr.'s Robinson/Wilburn	Core Concepts in Management	12,000	FDOE
7	FY'82 Totals	222,680	
2	Previous Year Totals	135,511	

PROPOSALS PENDING

Principal Investigator	Title or Subject	Amount Proposed	Agency
Dr. J. Lombana	Parent Involvement in Career Ed. Trng. Guidance	13,275	FDOE
Dr. J. Lombana	Recipes for Career Guidance	13,500	FDOE
Dr. J. Lombana	Job Club A Practical Approach	15,500	FDOE
Dr. J. Lombana	Career Guidance for Handicapped Stud.	9,300	FDOE
Dr. T. Serwatka	Interpreters Trng. Program	97,020	FDOE
Dr. B. Soldwedel	H.E.P.	1,072,517	US/DOE
Dr. B. Soldwedel	Resource Primer to Overcome Sex Stereo Typing	15,300	FDOE
Dr. B. Soldwedel	Planning Guide to Est. Voc. Resources	11,975	FDOE
Dr's Russell/Kimbrel	Business/Office Ed.	4,200	FDOE
Dr. S. Russell	Industrial Ed.	4,200	FDOE
Dr. W. Wilkerson	Marketing & Distribution	4,200	FDOE
11	FY '82 Totals	1,260,987	

OTHER SPONSORED RESEARCH EFFORTS
PROPOSALS FUNDED

Principle Investigator	Title or Subject	Amount Funded	Agency
<u>Administrative Affairs</u>			
Vice President Haywood	UNF Energy Conservation Project	117,021	U.S.D.E.
<u>Center for Aging</u>			
M. Bratburd/L. McClintock	Leisure & the Perspective of Experience	6,805	FEH
<u>Computer Center</u>			
J. Tinsley	Rideshare Project	12,000	City of Jax
<u>Continuing Education</u>			
J. Kelley/J. Adcox	Built Up Roofing	1,020	FDOE
<u>UNF Library</u>			
D. Williams	Fla. Library Inf. Network	6,275	FDL
<u>Division of Sponsored Research & Training</u>			
J. Jones	Diffusing Hostility	2,000	FHRS
<u>Student Affairs</u>			
S. Hansford	Reading Machine for the Blind	29,800	XEROX
C.J. Harris	Liaison/Minority H.S. & Community College Students	10,430	FDOE
<u>Division of Technologies</u>			
A. Darm	NORD 3 Micro Computer	35,000	DCCI
Student Gov. Assoc.	Eric Hawkins Dance Troup	712	FDCA
Total 10	FY '82 Totals	221,063	
Total 12	Previous Year Totals	466,735	

PROPOSALS DECLINED

<u>Administrative Affairs</u>			
J. Haywood	UNF Apt. Housing	2,384,000	U.S./DOE
<u>Center for Aging</u>			
B. Rio	HRS/UNF Training Institute	90,135	FHRS
<u>Division of Nursing</u>			
L. Horn	Nursing Lab Equip.	18,595	John Bulow
<u>Student Affairs</u>			
S. Hansford	Tutorial Instr. Project Apple II Micro	24,033	U.S./DOE
<u>Sponsored Research & Training</u>			
J. Jones	Wellness Program	23,582	City of Jax
J. Jones	Graduate & Professional Opportunity	50,000	U.S. DOE
Total 6	FY '82 Total	2,590,000	
Total 12	Previous Year Totals	571,333	

PROPOSALS PENDING

Principle Investigator	Title Subject	Amount Funded	Agency
<u>Student Affairs</u>			
S. Hansford	Motivation, Expectations Learning Teaching Styles	19,831	FDOE
K. Ray	CHOICES	6,000	FDOE
Total 2	FY '82 Total	25,831	

Faculty Intra University
Summer Research Awards

Dr. Royal W. VanHorn

"Efforts of Learning Microcomputer Programming on the Reasoning
Ability, Achievement, and Language Development of Second Grade
Students"

7,874

Dr. Kunisi S. Venkatasubban

"Bio-Organic Mechanisms"

6,285

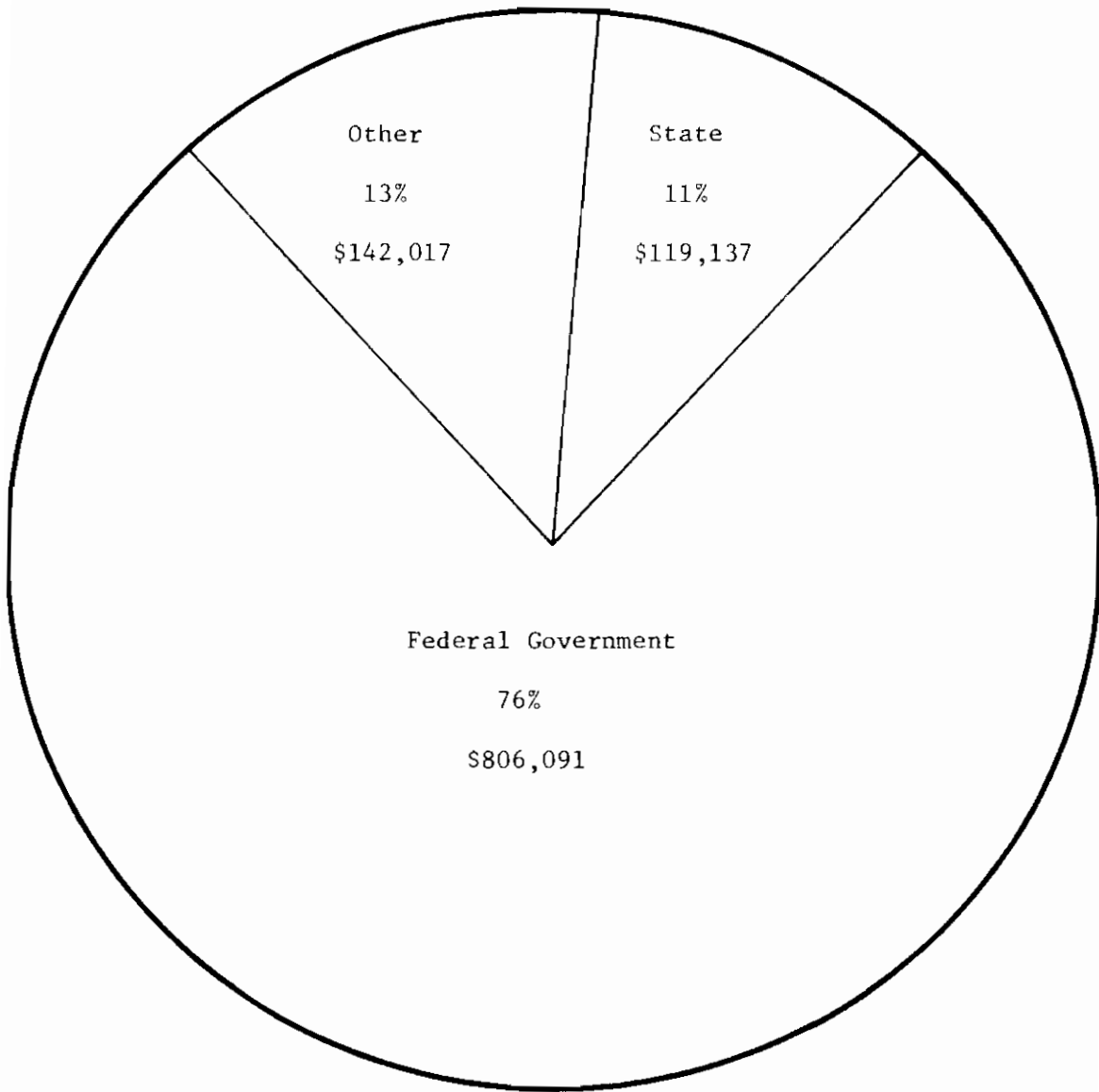
1982 Totals

14,159

ANALYSIS OF FUNDING BY SOURCE

	Dollars Sought	% of Total Dollars Sought	Dollars Funded	% of Total Dollars Funded	% funded of Dollars Sought
Federal Government	5,413,910	87%	806,091	76%	15%
State	641,945	10%	119,137	11%	19%
Other Sources	<u>152,612</u>	<u>3%</u>	<u>142,017</u>	<u>13%</u>	<u>93%</u>
TOTAL	6,208,467	100%	1,067,245	100%	NA

Dollar Value Of Proposals Funded By Type of Agency



FUNDING BY AGENCIES

FEDERAL

Department of Education	380,719
Department of Energy	117,021
Department of Transportation	128,128
National Aeronautics Space Administration/ University of Florida	40,086
National Institute of Health	35,682
National Science Foundation	7,975
Small Business Administration (through the Florida Small Business Development Center)	<u>96,480</u>
	806,091

STATE

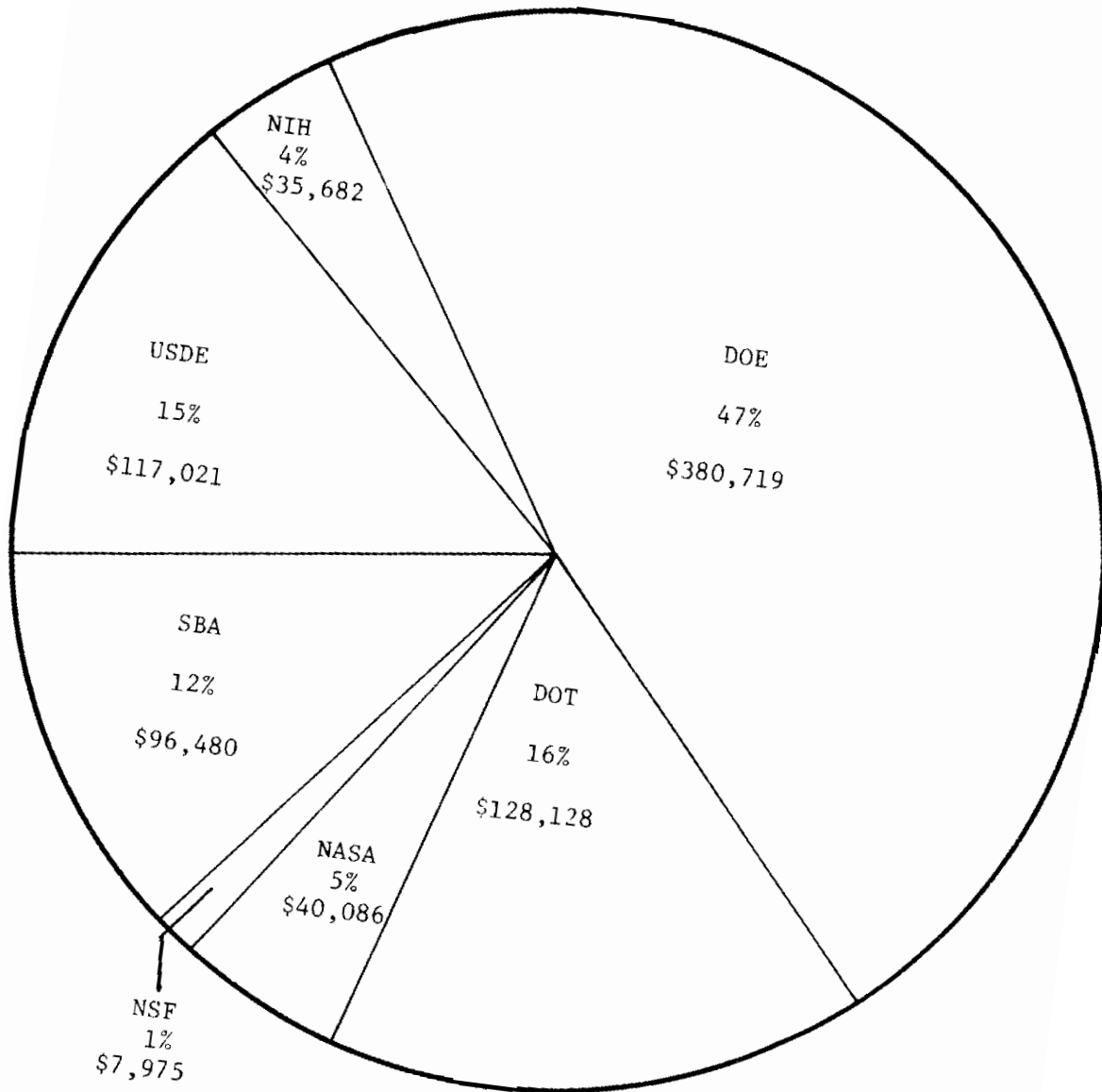
Department of Health and Rehabilitative Services	2,000
Florida Department of Education	59,291
Florida Division of Cultural Affairs	712
Florida Division of Libraries	6,275
Florida Endowment for the Humanities	6,805
Institute of Government (SUS)	29,895
Intra University Awards	<u>14,159</u>
	119,137

OTHER

Branchemco	25,000
Florida Council for Economic Education	17,000
City of Jacksonville Metropolitan Planning Commission	12,000
Digital Computer Control, Inc.	35,000
Jewish Chautauqua Society	750
Mott Foundation	22,467
Xerox	<u>29,800</u>
	142,017

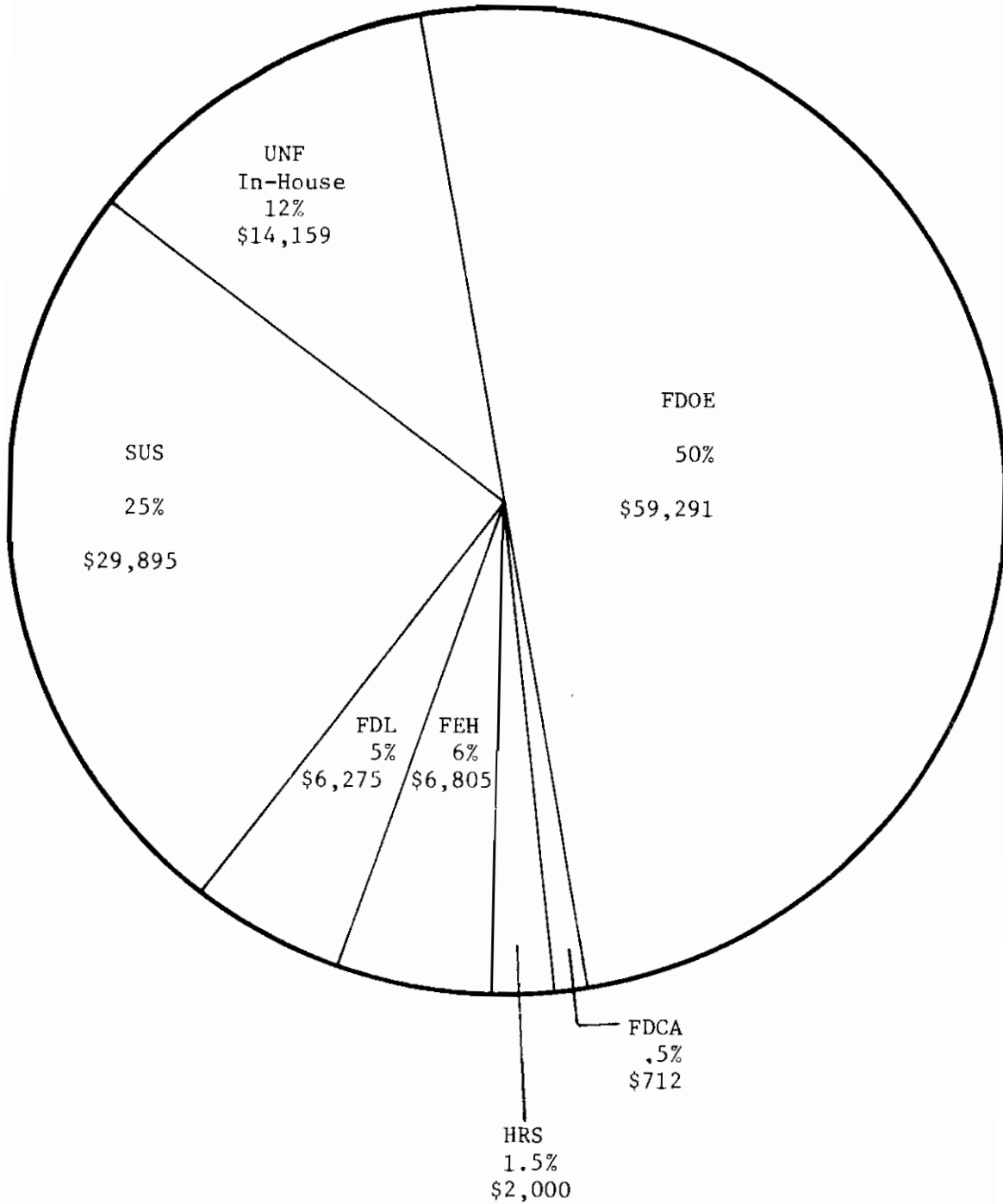
Funding By Agencies Analysis

Federal



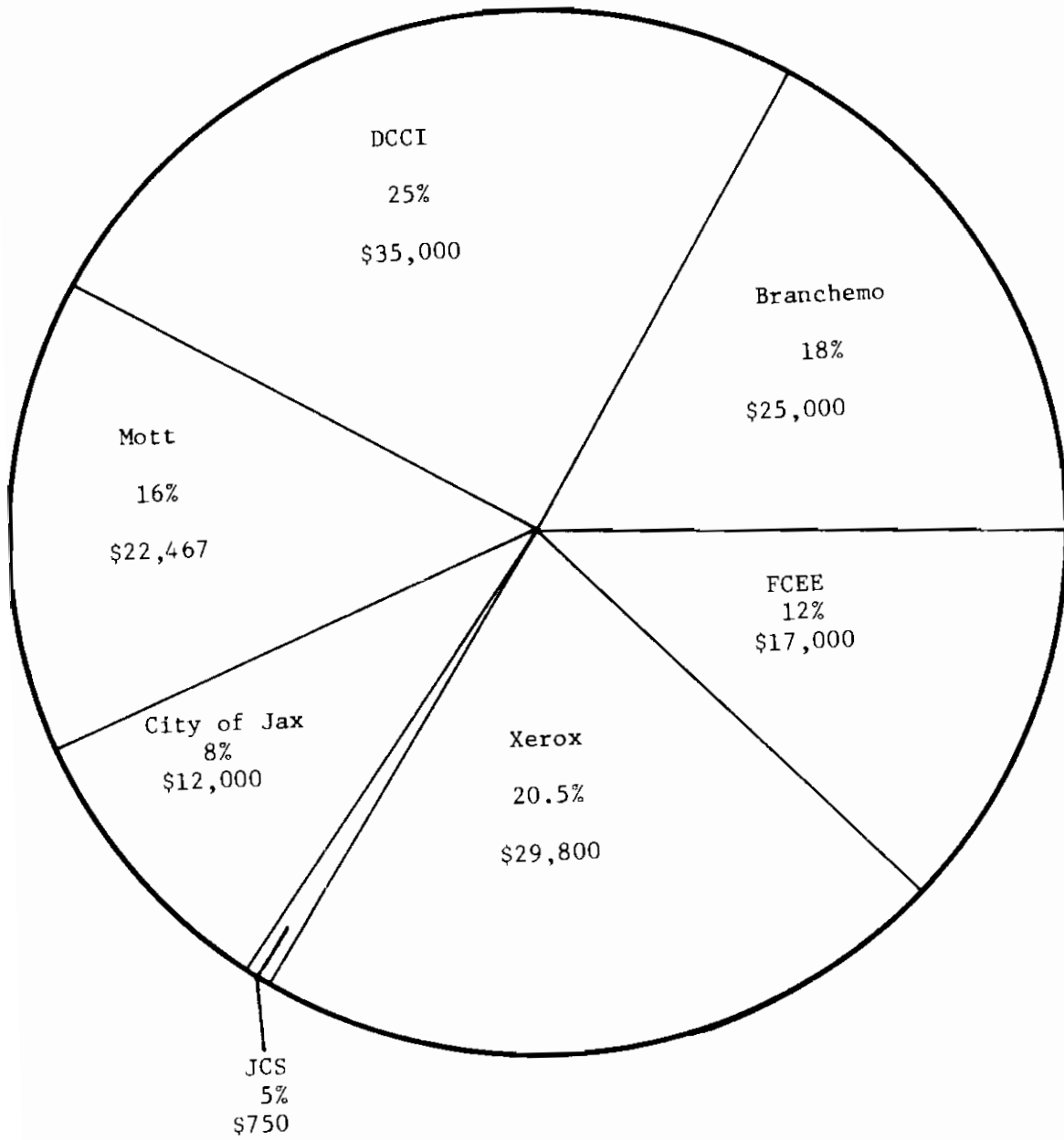
Funding By Agencies Analysis

State



Funding By Agencies Analysis

Other



RESEARCH, TRAINING AND DEVELOPMENT ACTIVITIES

Training

Inservice Training Activities/Business Ed. (Kimbrel)	2,500
Special Needs Program (Handicapped) (Lombana)	9,075
S.U.C.C.E.S.S. (Lombana)	10,216
High School Equivalency Program (Soldwedel/Singleton)	276,607
Overcoming Sex Bias (Soldwedel)	6,688
Career Guidance Out-of-School Adults (Soldwedel)	6,762
Competency Based Teacher Training/Special Ed. (Suidzinski)	23,175
Teacher Corps (Robinson/Tossie)	80,937
Business & Office Inservice Trng. (Russell)	4,200
Industrial Education Inservice Trng. (Russell)	4,200
Marketing & Distribution Inservice Trng. (Wilkerson)	4,200
Leisure & The Perspective of Experience (Bratburd/McClintock)	6,805
Built Up Roofing (Adcox/Kelley)	1,020
Diffusing Hostility (Jones)	2,000
Modern Jewish History (Leonard)	750
Center for Economic Education (Perry)	17,000

Applied Research

Statewide Aging Network (Decker)	29,895
YoCoShe Experiment (Foley)	22,467
Minority Participation/Motor Carrier (Smith)	128,128
Effects of Learning Microcomputer Programing (VanHorn)	7,874

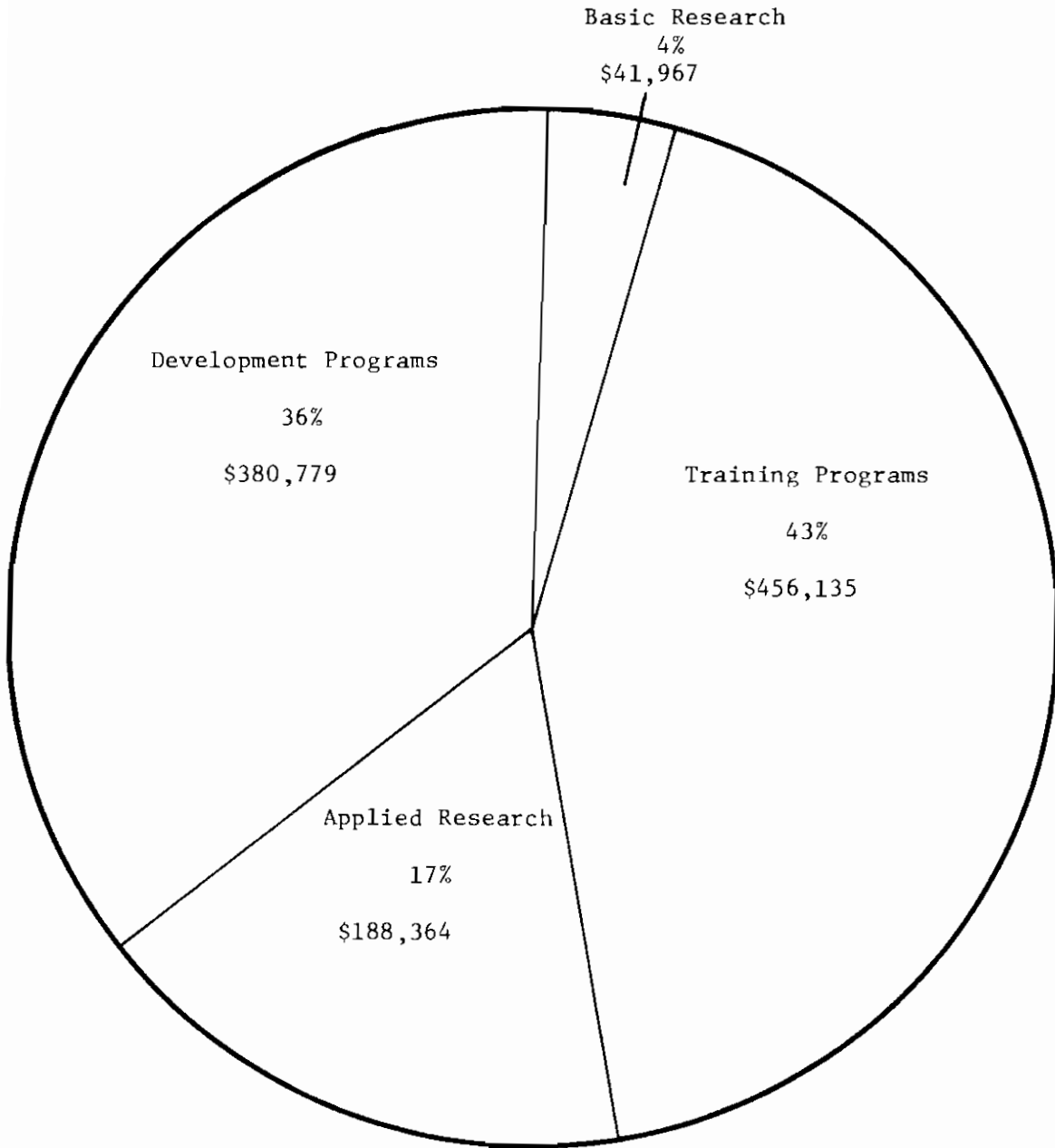
Development

Computer Hardware Laboratory (Chua)	7,975
Eric Hawkins Dance (Danneman)	712
Laboratory Equip/Chemicals (DeMort)	25,000
Small Business Institute (Salter)	11,750
Small Business Development Center (Salter)	84,730
State Technology Application Center (Salter)	40,086
UNF Energy Conservation Project (Haywood)	117,021
Rideshare (Tinsley)	12,000
Reading Machine for the Blind (Hansford)	29,800
Liaison/Minority H.S. & Community College Students (Harris)	10,430
NORD 3 Micro Computer (Darm)	35,000
Florida Library Information Network (Williams)	6,275

Basic Research

Photo Electric Membrane Probes (Huebner)	35,682
Proton Transfer Mechanisms (Venkatasubban)	6,285

Research and Development Activities Analysis

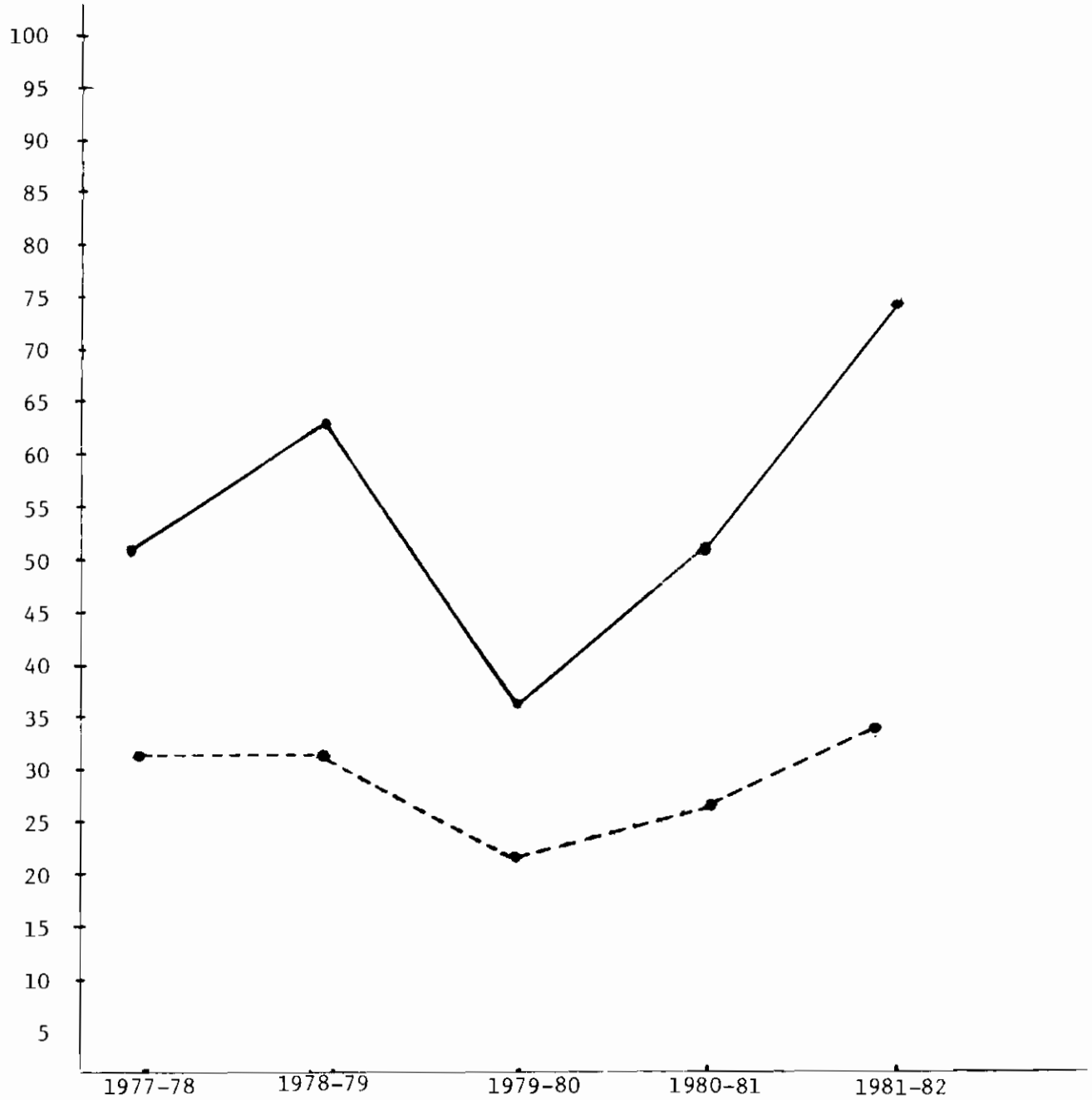


SPONSORING AGENCIES BY CODE

DCCI	Digital Computer Control, Inc.
DOE	U.S. Department of Education
DOT	Department of Transportation
FDCA	Florida Division of Cultural Affairs
FDOE	Florida Department of Education
FDL	Florida Division of Libraries
FEH	Florida Endowment for the Humanities
FHRS (HRS)	Department of Health and Rehabilitative Services
SCS	Jewish Chautauqua Society
MF	Mott Foundation
NASA	National Aeronautics Space Administration
NIH	National Institute of Health
NSF	National Science Foundation
FCEE	Florida Council in Economic Education
SBA	Small Business Administration
SUS	State University System (Fla. Board of Regents)
USDE	U.S. Department of Energy

FIVE YEAR ANALYSIS OF PROPOSALS FUNDED
PER PROPOSALS SUBMITTED

Number of
Proposals



————— Proposals Submitted
- - - - - Proposals Funded

PROJECT DESCRIPTIONS

1981 - 1982

Adcox & Kelley/Built Up Roofing A continuing education seminar on latest roofing technology was offered to building contractors of Northeast Florida through this award from FDOE.

Chua/Computer Hardware Lab NSF awarded funds to assist the University in the creation of a computer science hardware laboratory. The laboratory's primary function is to support two new courses in microprocessors and computer hardware organization.

Danneman/Eric Hawkins Dance Funding assistance was given to the student government association by the Florida Department of State's Division of Cultural Affairs to bring the performance of the Eric Hawkins Dance Company to UNF.

Darm/NORD 3 Micro Computer This computer was given to UNF's Division of Technologies by Digital Computer Control Inc.

Decker/Statewide Aging Network The primary mission of this STAR project was to assess and evaluate the organizational strengths and weaknesses of Florida's Aging service delivery network.

DeMort/Lab Equipment & Chemicals This award, made by Branchemo Incorporated of Jacksonville, Florida, enabled the Department of Natural Sciences to enhance laboratory capabilities and opportunity for various instructional research experiments.

Foley/YoCoShe Monograph Contract made possible through the Mott Foundation for the services of Dr. Foley. Her objective was to design an evaluation instrument and complete analysis of organizational effectiveness for a community agency which provides counseling and job training to youthful offenders. The final evaluative monograph will be disseminated nationally with continuing Mott Foundation support.

Hansford/Kurzweil Reading Machine This grant by the Xerox Corporation will greatly enhance the University's academic support services for blind students. The Kurzweil Reader, which translates written material into synthetic speech, is being manufactured and will be on line at UNF, Fall, 1983.

Haywood/NECPA Energy Grant A second year of funding by the U.S. Department of Energy to modify and implement energy conservation projects at UNF, pursuant to Title III of the National Energy Conservation Policy Act.

Harris & Weese/Liaison to Minority Individuals in High School & Community College FDOE funded this project to assist the University in providing a direct way for minority students to receive individualized encouragement, information and knowledge of the methods and means of achieving a baccalaureate degree. Liaison to minority individuals in high schools and community colleges was established.

Project Descriptions
Continued

Huebner/Photo Electric Membrane Probes This basic research project is the final phase of a three year grant awarded by the National Institute of General Medical Sciences. The purpose of Dr. Huebner's research is to discover new methods for studying the intermolecular structure, organization and interaction of membranes.

Lombana/SUCCESS (Sources to Upgrade Career Counseling and Employment of Special Students) The purpose of this project was to develop and field test two booklets which introduce counselors and occupational specialists to the career guidance needs of handicapped students. The grant was awarded by the Florida Department of Education, Vocational Education Division.

Lombana/Career Guidance of Handicapped Students The purpose of this FDOE Vocational Education grant was to develop a training program concerning career guidance of handicapped students. The major areas of training needed by counselors in working with the handicapped were identified with both skill and knowledge training modules prepared for in-service and pre-service use.

Jones/Diffusing Hostility Awarded by the Florida Department of Health and Rehabilitation Services to provide a seminar to HRS personnel on diffusing patient, client and family hostility.

Kimbrel/Inservice Training/Business Education Awarded by FDOE. The primary responsibility of this project is to provide inservice training activities for Business Education Teachers in the use of competency based curriculum materials.

Leonard/Modern Jewish History This is an endowment granted by the Jewish Chautauqua Society to UNF for a course in Judaism by a resident lecturer.

McClintock/Leisure & The Perspective of Experience This project was a collaborative effort between the City of Jacksonville's Neighborhood Senior Centers and the University's Aging and Adult Studies Center. A series of workshops for the elderly was sponsored highlighting leisure and ethics in various humanistic perspectives. These workshops were made possible through a grant from FEH.

Perry/Center for Economic Education The Florida Council on Economic Education and several private sector sources fund this continuing center. The Center is an interdisciplinary body cooperating with the region's school systems, other interested education institutions and the community at large to provide pre-service and in-service training to teachers at all levels, community service, materials development and research.

Salter/State Technology Application Center A NASA-UF funded center established under the auspices of UNF's SBDC to provide statewide and international trade statistics to increase foreign trade opportunities available to local small businesses.

Salter/Small Business Development Center This Center is funded through the Florida Small Business Administration Consortium at the University of West Florida. The project was created to establish, manage and operate a network of small business development centers which serve as focal points for Federal, State, local, university and private resource coordination to aid small businesses. (The Small Business Institute is a complementary project of the Center).

Project Descriptions
Continued

Siudzinski/Competency Based Teacher Training This USDOE grant has enabled UNF to open up some Special Education courses to non-special education teachers. The grant provides program assistance to train professionals at the graduate level to provide educational services to handicapped individuals who are classified as learning disabled, mentally retarded or emotionally disturbed. Originally funded in 1979, the project just completed its second year.

Smith/Minority Participation in Regulated Motor Carrier Industry This research contract was awarded cooperatively to UNF and Edward Waters College by USDOT. Research is targeted towards identifying, describing, documenting and quantifying the problem of minority participation in trucking and to evaluate alternative policy solutions which may be used by government agencies, industry trade associations and individual carriers to improve minority participation.

Russell/Teacher Education Supportive Services The Division of Vocational Education (FDOE) funded this teacher education project designed to upgrade the skills of all industrial Education teachers in the region, with a special emphasis upon women and minorities.

Robinson & Tossie/UNF Teacher Corps An on site program utilizing university faculty to improve classroom teaching and learning carried out by the North-east Florida Educational Consortium. (UNF faculty and staff from Hastings Elementary and Junior and Senior High Schools)

Soldwedel/Career Guidance Out of School Adults This project was funded by the FDOE for the development of training materials on career guidance for out-of-school youth and adults.

Soldwedel & Singleton/HEP - High School Equivalency Program A project funded by U.S. DOE in which UNF provides academic/supporting services to address the special educational needs of migrant/seasonal farm worker students enabling them to obtain a GED and enhancing their opportunities for success in post secondary education or training.

Soldwedel/Overcoming Sex Bias: "A Counseling Casebook" A continuation project funded by the FDOE to reproduce a casebook designed to serve as a training aid for guidance and counseling personnel in providing non-sexist career counseling.

Tinsley/Rideshare This contract was awarded by the City of Jacksonville's Metropolitan Planning Organization to the University's Computer Center for the availability of technical personnel to assess the Federal Highway Administration Commuter Information System (FHWACIS) program.

Van Horn/UNF Summer Research Dr. Van Horn's project studied the effects of learning microcomputer programming on the reasoning ability, achievement, and language development of second grade students.

Venkatasubban/UNF Summer Research Dr. Venkatasubban's summer research project dealt with the question of how enzymes achieve catalytic acceleration.

Williams/Library Resource Program USDOE funds to assist the University in increasing its library resources.

Wilkerson/Marketing & Distribution This project is part of the FDOE support for inservice training to Distributive Education Teachers in improving competency in curriculum planning, lab management and individualized instruction.