

LARS Report 090480

**ANNUAL
FINANCIAL
REPORT
TO THE UNIVERSITY**

FISCAL YEAR 1980

**Laboratory for Applications of Remote Sensing
Purdue University
West Lafayette, Indiana 47907 USA**

ANNUAL FINANCIAL REPORT TO THE UNIVERSITY
FISCAL YEAR 1980

This report is a companion to one entitled, "Annual Report to the University." Enclosed herein are a series of tables which provide further details on the sources of funding and distribution of expenditures within the University. The tables are as follows:

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TABLE I

LARS PROJECT FUNDING

July 1, 1979 to June 30, 1980

<u>Project Title</u>	<u>Sponsor</u>	<u>Expenditures</u>
- Research in Remote Sensing of Agriculture, Earth Resources, and the Environment	National Aeronautics and Space Administration	\$ 895,342
- Research in Remote Sensing of Agriculture, Earth Resources, and the Environment	National Aeronautics and Space Administration	954,029
- The Application of Remote Sensing Technology to the Solution of Problems in the Management of Resources in Indiana	National Aeronautics and Space Administration	64,620
- Project to Develop an Operational Forest Resource Information System · Phase IV	National Aeronautics and Space Administration	235,120
- Quantitative Applications-oriented Evaluation of Thematic Mapper Design Specifications	National Aeronautics and Space Administration	31,022
- Technical Coordination and Implementation of Remote Sensing Experiments for Analogous Vegetative Areas in the U.S. and the Soviet Union	National Aeronautics and Space Administration	49,952
- A Low-Cost Earth Resources Processing Capability for Ball State University	Ball State University	4,109
- Indiana State University Earth Resources Data Processing Remote Terminal Support	Indiana State University	24,573
- Visiting Scientist Program	Participants' Sponsors	25,408
- Preparation of a Spectral Map Delineating Soil Features for the Big Desert Area, Idaho	U. S. Department of Agriculture/Soil Conservation Service	914

TABLE 1 Continued

- Digital Processing of Landsat MSS and Topographic Data to Improve Capabilities for Computerized Mapping of Forest Cover Types	National Aeronautics and Space Administration	\$ 35,410
- Goddard Space Flight Center Earth Resources Data Processing Remote Terminal Support	Goddard Space Flight Center	3,419
- Evaluation of Usefulness of Classified MSS Data in Inventorying Natural Resources in Saudi Arabia	Joint U.S./Saudi Arabian Commission of Economic Cooperation	2,692
- Use of Spectral Data to Estimate the Relationship Between Soil Tensions and Their Corresponding Reflectances	Office of Water Resources and Technology/Dept. of the Interior	5,833
- Spectral Data Collection and Processing of Soil Sample	University of Missouri	2,790
- Digital Image Processing Services	State of Washington/Dept. of Natural Resources	1,147
- Evaluation of SLAR and Simulated Thematic Mapper MSS Data for Forest Cover Mapping Using Computer-Aided Analysis Techniques	National Aeronautics and Space Administration	84,060
- Alabama A&M University Earth Resources Data Processing Remote Terminal Support	Alabama A&M University	54,290
- Training for William D. DiPaolo, Bureau of Land Management	Bureau of Land Management	2,786
- Preprocessing and Analysis of Geophysical Remote Sensing Data	National Science Foundation	40,153
- Remote Sensing for Mineral Specialists	Bureau of Land Management	28,047
- Ford County Co-Op Agreement	U.S. Department of Agriculture/Soil Conservation Service	1,026

TABLE 1 Continued

- 1980 Symposium	Purdue University	\$ 5,328
- Short Course	Purdue University	39,071
- 1979 Symposium	Purdue University	2,351
- Minicourse Development - Phase II	Purdue University	21,427
- Johnson Space Center Short Course	Purdue University	339
- Remote Sensing Video Tapes	Purdue University	20,907
- Advanced Short Course, 1979	Purdue University	989
- Advanced Short Course, 1980	Purdue University	1,243
- Minicourse ITC	Purdue University	265
- The Application of Remote Sensing Techniques for Water- fowl Habitat Inventory	Ducks Unlimited	12,821
- Preparation of a Natural Resource Inventory for the Seguenega Project Area in Upper Volta	Africare	24,222
- Processing of Landsat Com- puter Compatible Tapes	Defense Mapping Agency/ Inter-American Geodetic Survey	1,784
- Processing Landsat Digital Data for Various Areas in Arizona	University of Arizona Soils, Water and Engineering	769
- Goddard Field Research	Goddard Institute of Space Studies	651
- Computer Time from Purdue/ LARS System Services	University of California	1,172
- Technical Support and Main- tenance of CPS and PSS Crop Simulation Models	Control Data Corporation	6,636
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	TOTAL PROJECT FUNDING	\$2,686,717

TABLE 2

LARS PROJECT EXPENDITURES

July 1, 1979 to June 30, 1980

Salaries

Engineering	\$551,858
Agriculture	285,940
Science	63,383
HSSE	<u>16,775</u>

\$ 917,962

Fringe Benefits	\$106,245
Overhead	514,674
Computer	803,978
Travel	90,304
Supplies	223,079
Capital	<u>30,475</u>

\$1,768,755

TOTAL PROJECT EXPENDITURES

\$2,686,717

TABLE 2A

ENGINEERING PROJECT EXPENDITURES

July 1, 1979 to June 30, 1980

	Engineering Experiment Station	Electrical Engineering	Mechanical Engineering	Total
Salaries	\$ 372,605	\$174,129	\$5,124	\$ 551,858
Fringe Benefits	25,661	26,238	747	52,646
Overhead	165,453	118,122	3,567	287,142
Computer	803,978			803,978
Travel	90,304			90,304
Supplies	223,022	57		223,079
Capital	30,475			30,475
TOTAL	\$1,711,498	\$318,546	\$9,438	\$2,039,482

TABLE 2B

AGRICULTURE PROJECT EXPENDITURES

July 1, 1979 to June 30, 1980

	Agronomy	Forestry and Natural Resources	Total
Salaries	\$204,492	\$ 81,454	\$285,946
Fringe Benefits	29,856	12,383	42,239
Overhead	125,242	56,021	181,263
TOTAL	\$359,590	\$149,858	\$509,448

TABLE 2C
 SCIENCE PROJECT EXPENDITURES
 July 1, 1979 to June 30, 1980

	<u>Geoscience</u>	<u>Computer</u>	<u>Statistics</u>	<u>Total</u>
Salaries	\$ 9,870	\$ 4,680	\$48,833	\$ 63,383
Fringe Benefits	1,707	9	6,099	7,815
Overhead	6,686	3,257	33,988	43,931
TOTAL	<u>\$18,263</u>	<u>\$ 7,946</u>	<u>\$88,920</u>	<u>\$115,129</u>

TABLE 2D
 HSSE PROJECT EXPENDITURES
 July 1, 1979 to June 30, 1980

	<u>Education</u>	<u>Communication</u>	<u>Total</u>
Salaries	\$ 5,787	\$10,988	\$16,775
Fringe Benefits	877	2,668	3,545
Overhead	1,870	468	2,338
TOTAL	<u>\$ 8,534</u>	<u>\$14,124</u>	<u>\$22,658</u>

TABLE 3

LARS GENERAL FUND ALLOCATION

July 1, 1979 to June 30, 1980

Allocation:

Recurring	\$149,814	
Non-Recurring	<u>31,345</u>	
		\$181,159

Expenditures:

Salaries	\$122,494	
Supplies	22,507	
Travel	1,891	
Computer	9,074	
Capital	<u>24,555</u>	
		<u>\$180,521</u>

Balance		\$ 638
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TABLE 4

LARS SYSTEM SERVICES

July 1, 1979 to June 30, 1980

Income:

LARS Research	\$846,254	
LARS System Services	361,210	
LARS Administration	13,256	
Other Purdue	50,709	
Outside Accounts	<u>6,085</u>	
		\$1,277,514

Expenditures:

Machine Rentals	\$508,885	
Salaries	298,727	
Supplies	55,583	
System Services	<u>361,210</u>	
		<u>\$1,224,405</u>
Balance Forward from Prior Year		\$ 53,109
		<u>157,456</u>
Balance Forward June 30, 1980		\$ 210,565

