

C O N T E N T S  
MINUTES OF A REGULAR MEETING  
BOARD OF REGENTS OF THE UNIVERSITY OF OKLAHOMA  
JULY 11, 1984

Minutes of the regular meeting held on June 21, 1984 (18021)

REPORT OF THE PRESIDENT OF THE UNIVERSITY  
International Energy Conference (18021)

	<u>Page</u>
I. The University	
Investments. . . . .	18022
Bond Financial Consultant. . . . .	18022
Report on Commitment of Associates' Funds. . . . .	18025
II. Health Sciences Center	
Faculty Personnel Actions. . . . .	18025
Administrative and Professional Personnel Actions. . . . .	18030
Faculty Senate Charter Modifications . . . . .	18031
Tulsa Medical Education Foundation Contract. . . . .	18032
Computer System - Family Medicine Clinics. . . . .	18033
Telecommunications System for Tulsa Medical College. . . . .	18033
Cooling Equipment - Tulsa Medical College. . . . .	18035
Proposal, Contract, and Grant Report . . . . .	18036
Report on Major Capital Improvement Projects . . . . .	18036
III. Norman Campus	
Faculty Personnel Actions. . . . .	18036
Administrative and Professional Personnel Actions. . . . .	18039
Summer Institute of Linguistics Agreement. . . . .	18043
Oklahoma Geological Survey Agreement . . . . .	18043
Seismic Data Processing System . . . . .	18044

III. Norman Campus (continued)	<u>Page</u>
Image Processing System . . . . .	18045
Dishwashing System . . . . .	18047
Transformers . . . . .	18047
Purchase of Spectrofluorometer . . . . .	18049
Purchase of Food Products . . . . .	18049
Proposal, Contract, and Grant Report . . . . .	18050
Utility Systems Improvements . . . . .	18050
Utilization of 1984-85 Section 13 and New College Funds . .	18051
On-Call Consultants . . . . .	18053
Purchase of Property . . . . .	18054
Report on Major Capital Improvement Projects . . . . .	18054

MINUTES OF A REGULAR MEETING  
THE UNIVERSITY OF OKLAHOMA BOARD OF REGENTS  
JULY 11, 1984

A regular meeting of the Board of Regents of The University of Oklahoma was held in the auditorium of the Health Sciences Library Building on the Oklahoma City Campus on Wednesday, July 11, 1984 beginning at 9:45 a.m.

Notice of the time, date, and place of this meeting was submitted to the Secretary of State as required by Enrolled House Bill 1416 (1977 Oklahoma Legislature).

The following Regents were present: Regent Dan Little, Chairman of the Board, presiding; Regents Tom McCurdy, John M. Imel, Thomas Elwood Kemp, Charles F. Sarratt, and Ronald H. White, M.D.

Absent: Regent Julian J. Rothbaum.

The following also were present: Dr. William S. Banowsky, President of the University, Provosts J. R. Morris and Clayton Rich, Vice Presidents Anona L. Adair, David A. Burr, and Arthur J. Elbert, and Barbara H. Tuttle, Executive Secretary of the Board of Regents. Other executive officers present were Mr. Larry Brawner, General Jay T. Edwards, Mr. Walter O. Mason, Mr. Ron D. Burton, and Mr. Gary L. Smith.

The minutes of the meeting held on June 21, 1984 were approved as printed and distributed prior to the meeting on motion by Regent White and with the following affirmative vote: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

President Banowsky reported the First International Conference on Shallow Oil and Gas Resources will be co-hosted by OU's Energy Center and UNITAR (United Nations Institute for Training and Research) July 25 to August 3 on the Norman Campus.

Approximately 50 countries and 500 delegates and exhibitors will be in attendance for the 10-day seminar, comprised primarily of the presentation of 60 technical papers on topics related to shallow resources. A number of these papers will be presented by members of the OU faculty and staff.

The conference's primary objective is to educate dignitaries from lesser-developed countries concerning exploration and development and such related problems as the supply and maintenance of drill rigs and the training of drill personnel. Saturday field trips will include on-site studies of the geologic formations in the Arbuckle Mountains, a visit to the Halliburton research facilities, and tours of the Kerr-McGee refinery in Wynnewood.

July 11, 1984

18022

Opening ceremonies will take place at 5:00 p.m. on July 25 in the OCCE Forum followed by a reception in the ballroom of the Oklahoma Memorial Union. Sessions, all presented simultaneously in French, Spanish and English, run daily 9:00 a.m. to 5:00 p.m.

Scheduled special presentations include greetings by Governor George Nigh at 10:30 a.m. on July 26, a reception at the Oklahoma City Petroleum Club on July 31, and a Western Barbeque at the Cowboy Hall of Fame on August 2.

President Banowsky urged members of the Board to attend as many of these sessions as possible.

## I. The University

### INVESTMENTS

J. & W. Seligman & Co. have recommended the following changes in Regents' endowment investments:

Sell: 2,000 shares Cooper Tire and Rubber

Buy: 1,500 shares Interpublic Group  
500 shares Intergraph  
2,000 shares Herman-Miller  
\$200,000 par value U.S. Treasury Note, 12 5/8% due May, 1986

Interpublic Group is a worldwide advertising company currently selling for approximately \$31. Intergraph is a CAD/CAM computer graphics company selling around \$43. Herman-Miller is an office furniture and systems manufacturer and supplier currently selling around \$25.

These investment transactions have been approved by the Trust Officer and by the President.

President Banowsky recommended confirmation of the above investment transactions.

Regent McCurdy moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

### BOND FINANCIAL CONSULTANT

Since November of 1980, the firm of Merrill Lynch Capital Markets Group has served as the University's Bond Financial Consultant and the firm of Crowe and Dunlevy has served as the University's Bond Counsel. Since that time, the University has entered into only one revenue bond financing, the recent Norman

Campus Utility System Improvement Bond issue. Nonetheless, it has been Board policy to periodically review the appointment of the firms providing these services. Proposals were widely solicited from a number of firms in conjunction with the selection of individuals or firms to serve in these capacities. Responses were received from seven financial consultants and eight legal firms.

<u>FINANCIAL CONSULTANTS</u>	<u>BOND COUNSEL</u>
First Shelburne Financial Corp. Burlington, Vermont	Ames, Daugherty, Black, Ashabranner, Rogers & Fowler Oklahoma City
E. F. Hutton & Co., Inc. Norman and New York City	Andrews, Davis, Legg, Bixler, Milsten, & Murrah Oklahoma City
First National Bank & Trust of Tulsa	Crowe and Dunlevy Oklahoma City
Leo Oppenheim & Co., Inc. Oklahoma City	Fagin, Brown, Bush, Tinney & Kiser Oklahoma City
Prudential-Bache Securities New York City	Jones, Givens, Gotcher, Doyle and Bogan, Inc. Tulsa
Stifel, Nicolaus & Co., Inc. Oklahoma City	Shirk, Work, Robinson & Williams Tulsa
Texas Commerce Bank Houston	McKinney, Stringer & Webster Oklahoma City
	Samuel C. Stone & Associates Tulsa

In addition, the following firms were contacted but did not submit proposals or submitted proposals after the deadline:

<u>FINANCIAL CONSULTANTS</u>	<u>BOND COUNSEL</u>
Dean Witter Reynolds, Inc. Oklahoma City	Conners, Winters, Ballaine, Barry & McGowen Tulsa
Merrill Lynch Capital Market Group New York City	Floyd, Brandenburg & Rogers Mr. Paul Johanning Norman

FINANCIAL CONSULTANTS

R. J. Edwards, Inc.  
Oklahoma City

Woolsey & Company  
Oklahoma City

Thomson McKinnon Securities, Inc.  
New York City

BOND COUNSEL

Mock, Schwabe, Waldo, Elder,  
Reeves & Bryant  
Oklahoma City

Mr. Stanley M. Ward, Chief Legal Counsel, Mr. Gary Smith, Vice Provost for Administration and Finance, Health Sciences Center, and Mr. Jerry Farley, Associate Vice President for Administrative Affairs, reviewed each proposal submitted. Following that review, each firm was invited to the Norman Campus for an individual interview. Each firm was requested to make available those persons in the firm who would work directly with the University account. Each firm was provided the opportunity to further elaborate on the proposal which they had submitted. The interview committee requested clarification of various points in the proposal and requested additional information regarding the background and expertise of the firm, the type of work the firm had performed in the past, the relationship the firm had with other entities such as the Attorney General, the Chancellor for the Oklahoma State Regents for Higher Education, bond rating agencies, banks, and other law or underwriting firms.

Several firms had more experience related directly to the issuance of revenue bonds in the higher education community and had the staff which would be necessary to provide prompt response to the University's needs. Based on all available information, the committee concluded that the top three rated firms for Financial Consultant were Leo Oppenheim & Co., Inc., E. F. Hutton, and Stifel, Nicolaus & Co., Inc. In the view of the committee, each of these firms could do an equally good job for the University.

The following are the three firms and the fee quoted by each firm for a \$12.3 million bond issue:

Leo Oppenheim & Co.	\$18,808
E. F. Hutton & Co., Inc.	\$30,000
Stifel, Nicolaus & Co., Inc.	\$49,400

A summary of the fee proposed by each firm was distributed to the Regents and is attached.

President Banowsky recommended that, since each firm is considered equally able to perform the required tasks, the decision be made on the basis of fee and that Leo Oppenheim & Co. be appointed Bond Financial Consultant for the period July 1, 1984 through June 30, 1987.

FINANCIAL CONSULTANT FEE PROPOSALS

ISSUE AMOUNT	1 OPPENHEIM		2 FIRST SHELburnE		3 TEXAS COMMERCE BANK		4 EF HUTTON		5 PRUDENTIAL BACHE		6 FIRST TULSA		7 STIFEL	
	INCREMENTAL	CUMULATIVE	INCREMENTAL	CUMULATIVE	INCREMENTAL	CUMULATIVE	INCREMENTAL	CUMULATIVE	INCREMENTAL	CUMULATIVE	INCREMENTAL	CUMULATIVE	INCREMENTAL	CUMULATIVE
300,000	1,200	1,200	3,000	3,000	0	7,350	0	30,000	1,200	1,200	0	1,500	0	10,000
500,000	800	2,000	2,000	5,000	0	7,350	0	30,000	800	2,000	1,000	2,500	0	10,000
1,000,000	2,000	4,000	3,750	8,750	0	7,350	0	30,000	2,000	4,000	2,500	5,000	0	10,000
1,500,000	2,000	6,000	2,500	11,250	1,250	8,600	0	30,000	2,000	6,000	2,500	7,500	0	10,000
2,000,000	1,000	7,000	1,250	12,500	1,250	9,850	0	30,000	2,000	8,000	2,500	10,000	0	10,000
2,500,000	1,000	8,000	1,250	13,750	1,250	11,100	0	30,000	2,000	10,000	2,500	12,500	2,500	12,500
3,000,000	1,000	9,000	500	14,250	1,250	12,350	0	30,000	2,000	12,000	2,500	15,000	2,500	15,000
4,000,000	2,000	11,000	1,000	15,250	2,500	14,850	0	30,000	4,000	16,000	5,000	20,000	5,000	20,000
5,000,000	2,000	13,000	1,000	16,250	2,500	17,350	0	30,000	4,000	20,000	5,000	25,000	5,000	25,000
6,000,000	800	13,800	1,000	17,250	1,250	18,600	0	30,000	2,800	22,800	3,000	28,000	3,750	28,750
8,000,000	1,600	15,400	2,000	19,250	2,500	21,100	0	30,000	4,000	26,000	6,000	34,000	7,500	36,250
10,000,000	1,600	17,000	2,000	21,250	2,500	23,600	0	30,000	4,000	30,000	6,000	40,000	7,500	43,750
12,260,000	1,808	18,808	2,260	23,510	2,260	25,860	0	30,000	4,520	34,520	6,780	46,780	5,650	49,400

NO MINIMUM MENTIONED OPTION: NO COMPENSATION ON CONTINUING BASIS.	NO MINIMUM MENTIONED OPTION: \$90 PER HOUR ON TIME DEVOTED.	\$7350 MINIMUM OPTION: \$100 PER HOUR ON TIME DEVOTED PLUS OUT-OF-POCKET COSTS.	\$30000 MINIMUM OPTION: \$125 PER HOUR ON TIME DEVOTED AND \$1 PER \$1000 OF BONDS ISSUED TO BE WAIVED IN THE EVENT OF HUTTON UNDERWRITING.	IF NO FINANCING OCCURS \$25000 PER YEAR PLUS OUT-OF-POCKET COSTS.	\$1500 MINIMUM PLUS ALL COSTS ASSOCIATED WITH THE ISSUANCE OF BONDS.	\$10000 MINIMUM NO RATE FOR A CONTINUING BASIS.
---	---	--	---	---	---	---

July 11, 1984

18025

A recommendation will be presented at a future meeting on the appointment of bond counsel.

Regent McCurdy moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

#### REPORT ON COMMITMENT OF ASSOCIATES' FUNDS

Following is the commitment of funds of The University of Oklahoma Associates for the period April 1 through June 30, 1984:

Academic Awards	<u>\$40,000.00</u>
Support of publication costs of <u>Genre</u> Quarterly	\$ 3,500.00
Support of Early Baroque Performance Workshop of the School of Music	4,000.00
Support for the Graduate Student Association to assist 10 graduate students	2,500.00
Support for a program of computer training for gifted high school students	10,000.00
Support for the Henderson-Tolson Literary Collection	5,000.00
Support for academic activities under the supervision of the Provost	5,000.00
Support for the Department of English film program	10,000.00
Faculty Awards	<u>\$ 2,773.60</u>
Support for Kingfisher Fellows	773.60
Support of patentable ideas leading to formal filing	2,000.00

This was reported for information. No action was required.

## II. Health Sciences Center

### FACULTY PERSONNEL ACTIONS

#### APPOINTMENTS:

Maxanna Kappel, Clinical Instructor in Nursing, without remuneration, June 11, 1984.



July 11, 1984

18026

Dean Erwin Martin, M.D., Instructor in Pediatrics, Tulsa, \$31,600 for 12 months, July 1, 1984 through June 30, 1985.

Paul Allen Taenzer, Ph.D., Clinical Instructor in Psychiatry and Behavioral Sciences, Tulsa, without remuneration, June 1, 1984.

Robert Joseph Bencic, D.D.S., Preceptor in Dental Services Administration, without remuneration, May 25, 1984.

William James Bretz, D.D.S., Preceptor in Dental Services Administration, without remuneration, May 29, 1984.

Randall Jeffrey Crook, D.D.S., Preceptor in Dental Services Administration, without remuneration, May 31, 1984.

<u>NAME and TITLE(S)</u>	<u>ANNUAL FTE INCOME</u>	<u>ANNUAL GUARANTEED BASE SALARY</u>	<u>ANNUAL PPP EARNINGS POTENTIAL</u>	<u>EFFECTIVE DATE</u>
<b>APPOINTMENTS:</b>				
Goverdhan Sachdev, Ph.D., Research Associate Professor of Pharmacy	\$ 36,000	\$ 30,000		7-1-84 thru 6-30-85
Vernon Clifford Hofmann, M.D., Assis- tant Professor of Anesthesiology	100,800	45,000		9-1-84 thru 6-30-85
Judith L. Blackwell, M.D., Instructor in Internal Medicine, Tulsa	60,000	40,000		9-1-84 thru 6-30-85
Cynthia Ann Joe, M.D., Instructor/Chief Resident, Department of Medicine, Tulsa	45,000	31,600		7-1-84 thru 6-30-85
Lisa Jonyne Wasemiller-Smith, M.D., Instructor in Obstetrics and Gynecology	60,000	50,000		7-1-84 thru 6-30-85
<b>CHANGES:</b>				
Deborah J. Beeson, Instructor in Internal Medicine, Tulsa	FROM: 35,000 TO: 38,000 TO: 60,000	31,600	TO: 40,000	4-27-84 7-1-84 thru 12-31-84
Jeanne Lowell, Assistant Professor of Nursing	FROM: 30,667 TO: 30,428	FROM: 20,297 TO: 21,297	FROM: 10,370 TO: 9,131	7-1-84 thru 6-30-85
Maribeth L. Moran, Assistant Professor of Nursing	31,450	FROM: 21,007 TO: 22,007	FROM: 10,443 TO: 9,443	7-1-84 thru 6-30-85
Karen M. Mumina, Assistant Professor of Nursing	31,450	FROM: 21,007 TO: 22,007	FROM: 10,443 TO: 9,443	7-1-84 thru 6-30-85

July 11, 1984

18027

<u>NAME and TITLE(S)</u>	<u>ANNUAL FTE INCOME</u>	<u>ANNUAL GUARANTEED BASE SALARY</u>	<u>ANNUAL PPP EARNINGS POTENTIAL</u>	<u>EFFECTIVE DATE</u>	<u>REMARKS</u>
Leonard N. Slater, Assistant Professor of Medicine	65,000	FROM: 52,754 TO: 52,936		7-1-84 thru 6-30-85	
Steven M. Sobol, title changed from Associate Professor to Clinical Asso- ciate Professor of Otorhinolaryngology	FROM: 115,200 TO: WITHOUT REMUNERATION	FROM: 65,000		8-15-84	
Jack E. Willoughby, title changed from Assistant Professor to Clinical Assistant Professor of Fixed Prosthodontics	FROM: 56,240 TO: 937.34 per month	FROM: 28,120	FROM: 28,120	9-1-84 thru 6-30-85	full time .40 time

July 11, 1984

18028

July 11, 1984

18029

CHANGES:

R. Timothy Coussons, David Ross Boyd Professor and Vice Head of Medicine; appointed Acting Head of Medicine, July 1, 1984 through December 31, 1984.

TERMINATIONS:

Stephen P. Burns, Adjunct Instructor in Nursing, July 1, 1984.

Thomas B. Caldwell, III, Associate Professor of Anesthesiology, declined to accept appointment (originally effective January 16, 1984).

Patrick Cohenour, Clinical Instructor in Removable Prosthodontics, May 31, 1984.

Dianne Sheets Cooke, Instructor in Family Medicine, July 25, 1984.

John E. Daughdrille, Clinical Assistant Professor of Radiological Sciences, Tulsa, April 25, 1984.

John R. DeBiase, Clinical Assistant Professor of Radiological Sciences, Tulsa, February 16, 1984.

Charlotte L. Ellison, Adjunct Assistant Professor of Nursing, July 1, 1984.

Ralph Vernon Enlow, Clinical Assistant Professor of Nursing, July 1, 1984.

Lura A. Harrison, Assistant Professor of Research Medicine, June 2, 1984.

Audrey R. Hill, Adjunct Assistant Professor of Nursing, July 1, 1984.

Joseph Holtzman, Director, Gerontology Center, Associate Professor of Health Administration, and Adjunct Associate Professor of Family Medicine, October 17, 1984.

Delia Hulog-Resco, Clinical Assistant Professor of Nursing, July 1, 1984.

Dorothy Mae Walker Jones, Clinical Assistant Professor of Nursing, July 1, 1984.

Peter J. Levin, Dean of Public Health and Professor of Health Administration, August 1, 1984.

Evelyn LeVoe Maxwell, Adjunct Assistant Professor of Nursing, July 1, 1984.

Euan M. McMillan, Assistant Professor of Dermatology and Adjunct Assistant Professor of Pathology, August 29, 1984.

John A. Mitas, II, Assistant Professor of Medicine, August 16, 1984. Recalled to active duty in the Navy.

July 11, 1984

18030

Maryanne J. Probst, Adjunct Instructor in Nursing, July 1, 1984.

Thomas Trevor Reiley, Assistant Professor of Pediatrics, Tulsa, July 7, 1984.  
Accepted position at Denver Children's Hospital.

Catherine Carter Schmidt, Adjunct Instructor in Anesthesiology, June 14, 1984.

Earlene H. Smith, Coordinator, Health Professions Counseling Center, and  
Instructor in Nursing, July 28, 1984.

Gloria R. Smith, Professor of Nursing, July 1, 1984.

Bonnie B. Rawson, Clinical Assistant Professor of Nursing, July 1, 1984.

Mary Elizabeth Sudduth, Adjunct Assistant Professor of Nursing, July 1, 1984.

Lorette Thompson, Adjunct Assistant Professor of Nursing, July 1, 1984.

Janet S. Trease, Clinical Instructor in Nursing, July 1, 1984.

Jay Wolfson, Associate Professor of Health Administration, September 14, 1984.

#### RETIREMENTS:

Renee W. Papper, Clinical Associate Professor of Radiological Sciences,  
July 1, 1984.

President Banowsky recommended approval of the personnel actions  
listed above.

Regent Imel moved approval of the recommendation. The following  
voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and  
White. The Chair declared the motion unanimously approved.

#### ADMINISTRATIVE AND PROFESSIONAL PERSONNEL ACTIONS

##### APPOINTMENT:

Charles M. Pritchett, Clinic Manager, Enid Family Medicine Clinic, \$26,000  
for 12 months, May 21, 1984. Managerial Staff.

##### CHANGE:

D. Susan Akland, Clinic Nursing Supervisor, Family Medicine Center, Tulsa,  
salary increased from \$20,100 to \$20,500 for 12 months, May 1, 1984.

##### TERMINATIONS:

Hiroko Akiyama, Research Assistant II, Gerontology Center, August 2, 1984.

July 11, 1984

18031

Christie Kay Allen, Clinical Nurse Specialist, Department of Obstetrics and Gynecology, June 12, 1984.

Phillip Loy Freeland, Training Coordinator, Personnel Services, June 30, 1984.

Richard J. Thomas, Clinic Manager, Enid Family Medicine Clinic, July 1, 1984.

Glen H. Whitbeck, Construction Administrator, Architectural and Engineering Services, June 29, 1984.

Beverly G. White, Research Nurse, Department of Medicine, June 21, 1984.

Emily T. White, Pharmacy Counselor and Director of Pharmacy Student Affairs, College of Pharmacy, July 3, 1984. Retains title of Adjunct Instructor in Pharmacy, without remuneration.

President Banowsky recommended approval of the personnel actions listed above.

Regent McCurdy moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

#### FACULTY SENATE CHARTER MODIFICATIONS

The Health Sciences Center Faculty Senate has recently approved changes in its charter to provide for the office of Secretary-Elect.

Provost Rich has approved the changes.

President Banowsky recommended approval of changing the Charter of the Health Sciences Center Faculty Senate to include the office Secretary-Elect. The following changes in the Senate Charter are necessary to accomplish this with the words to be deleted lined through and the new words underlined:

Article V. Officers

Section 1. Officers

The Officers of the General Faculty shall be the Officers of the Faculty Senate: Chair, Chair-Elect, ~~and Secretary, and Secretary-Elect.~~ These officers shall perform the duties prescribed by this Charter, by the parliamentary authority adopted, by the General Faculty, and any other activities necessary to achieve the objects of the General Faculty of the Health Sciences Center.

Article VII. The Faculty Senate

Section 4. Officers

The Officers of the Faculty Senate shall be the Officers of the General Faculty. The Officers shall be: Chair, Chair-Elect, ~~and~~ Secretary, and Secretary-Elect, and such other officers as are provided for in the Bylaws.

Article X. Inter-Senate Liaison Committee

Section 2. Composition

The Inter-Senate Liaison Committee shall be composed of the Chair, Chair-Elect, ~~and the~~ Secretary, and the Secretary-Elect of the Senate on each campus.

Regent White moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

TULSA MEDICAL EDUCATION FOUNDATION CONTRACT

In 1983-84, the Department of Human Services was authorized by the Legislature to expend certain State funds for the purpose of expanding comprehensive outpatient medical and social services to low income families and other low income persons. \$500,000 was allocated by DHS for the period through July 31, 1984 for the Greater Tulsa Area. The Department of Human Services asked the Tulsa Medical Education Foundation to administer and monitor the use of the funds and it was agreed the funds would be utilized through agencies with which TMEF would contract. Since the Tulsa Medical College could effectively utilize these funds immediately, an agreement was approved last year with TMEF which allowed an expansion of the outpatient medical and social services available in the TMC outpatient clinics in order to provide these services.

A continuation of the contract with Tulsa Medical Education Foundation in order to provide these services for the period August 1, 1984 through June 30, 1985 at an estimated cost of \$550,000 has been proposed.

Other terms of the contract are similar to the terms of the 1983-84 contract.

President Banowsky recommended approval of entering into a contract with TMEF as described above for the period August 1, 1984 through June 30, 1985.

Regent Imel moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

## COMPUTER SYSTEM FOR FAMILY MEDICINE CLINICS

The Department of Family Medicine in Oklahoma City operates four clinics in conjunction with their academic, research, and patient care programs. Two of the clinics are located in Oklahoma City, one in Shawnee, and one in Enid. At the present, each clinic has its own small micro computer system which results in duplication of equipment and personnel. In addition the micro computers are no longer able to handle requirements of the Department related to patient care, education, and research.

In order to address the problem, the Department of Family Medicine appointed an internal committee of faculty and administrators to evaluate both current and long-range needs. System requirements were developed and an extensive review of potential systems was conducted, resulting in a recommendation that a new hardware/software system be acquired from EDP Systems, Inc.

Hardware and software include a DEC VAX 11/750 32 Bit Processor with two fixed Winchester Disc Drives with Controller, 1600 Bit per inch Tape Drive. The system also includes terminals, printers and the following software: Clinic Manager I, General Ledger, Datadrive Report Writer. Complete installation and data file conversion and modification will be completed by EDP Systems, Inc.

It is proposed that the system be lease-purchased over a 5-year period at an annual cost of \$60,840. The existing computer systems at the clinics currently cost \$46,320 annually. The proposed system will result in less cost than the current system in that three positions have been eliminated to reduce duplication. The new system is a centralized system with each clinic utilizing a single processor. The new system will allow for the elimination of duplicate equipment and personnel as well as providing for a sophisticated, cost effective patient billing, general ledger accounting, research and educational applications.

Funds have been budgeted in the Family Medicine Clinic budgets for the lease of the proposed system.

President Banowsky recommended approval of a 5-year lease-purchase agreement with EDP Systems, Inc. for a computer hardware/software system at an annual cost of \$60,840.

Regent Imel moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

## TELECOMMUNICATIONS SYSTEM FOR TULSA MEDICAL COLLEGE

Because of the AT&T divestiture, future financial and operational uncertainty of existing equipment, as well as limited technical features, the consulting firm of Brady, Taylor and Associates was retained in July, 1983, to conduct a three-phase study regarding the telecommunications needs



July 11, 1984

18034

of the Tulsa Medical College. They were to evaluate the existing and alternative systems, write specifications for a system to meet current and future needs and evaluate bid responses and recommend a system.

The consulting firm has concluded that the existing equipment is becoming increasingly expensive and obsolete. Their analysis indicates that approximately \$600,000 can be saved over a seven-year period by purchasing a new system.

Based upon the above analysis, Requests for Proposals were submitted to 14 telecommunication firms believed capable of providing a system to meet specified needs. Five responses were received, including a buy-out of the existing equipment.

The consulting firm has evaluated the bid responses and determined only one response meets bid specifications. Evaluations were made using the following criteria:

1. Conformance to technical specifications
2. Modularity, flexibility, and suitability of design
3. Feature availability and operational considerations
4. Manufacturer's experience and reputation for design
5. Vendor's experience and reputation for service
6. Cost

The consultant's report recommends, and University officials concur, that the existing Dimension 400 and Com Key 718's be replaced with a System 75 as proposed by AT&T Information Systems. The System 75 has the potential for long-range growth, including double the current station capacity, and accommodating data processing needs as they evolve. The System 75 has an excellent telephone management system which provides for call detail reporting to curtail telephone abuse as well as providing information concerning the cost and use of the system. The call forwarding capability will eliminate current answering service costs.

Other system proposals were eliminated for the following reasons:

1. Southwestern Bell Telephone submitted two system configurations, but neither of their proposals contained cabling as was specified in the bid specifications.
2. Centel Business Systems submitted a proposed system configuration which contained a capacity of 400 stations.

This is approximately the same capacity as the existing system; therefore, future expansion is not possible.

3. The current Dimension 400 system was not considered because of expansion capabilities. In addition, the current system is analog versus digital, thus eliminating data processing transmission.

A lease-purchase of the System 75 proposed by AT&T Information Systems over a three-year period (36 months) at an annual cost of \$85,313.08 is proposed. At the end of the period the equipment will belong to the Tulsa Medical College. The existing equipment, if retained, would cost approximately \$103,867 per year on an ongoing basis.

President Banowsky recommended entering into a 36-month lease-purchase agreement with AT&T Information Systems for acquisition of a System 75 for the Tulsa Medical College at an annual cost of \$85,313.08.

Regent Imel moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

#### COOLING EQUIPMENT - TULSA MEDICAL COLLEGE

Lee and Brown Consulting Engineers, Inc. was retained under emergency conditions to evaluate and make a recommendation on the restoration of air conditioning due to an equipment failure in the clinics building located on the Tulsa Campus. There are four Family Medicine clinics housed in this facility.

The results of the evaluation were as follows:

1. No backup cooling was available and the building was not suitable for human occupancy. Extreme temperatures and humidities would soon cause damage to the building furnishings.
2. A minimum of five weeks would be required for a similar replacement compressor and installation.
3. It was recommended to take an alternative action and replace the damaged equipment including a new chiller. The existing equipment had failed previously within the last two years.
4. Given delivery requirements, a Trane chiller was recommended as the least costly one available from stock. The equipment could be installed and operational within five days.

As a demonstrable emergency existed, the equipment was ordered and installed in a minimum time frame under the President's authority as outlined in the Fiscal Management Policy. Without fast track installation, Tulsa Medical College would have incurred a loss of approximately \$150,000 if the clinics had been closed. In addition, patients could not have been treated and educational programs would have been disrupted.

In view of the above, a Trane chiller was purchased from Natkin Service Company at a cost of \$57,071.00, including installation. Funds were available in account number A0005898 for the purchase.

This was reported for information. No action was required.

#### PROPOSAL, CONTRACT, AND GRANT REPORT

A summary of proposals for contracts and grants for the Health Sciences Center, including the Tulsa Medical College branch, for June, 1984 was included in the agenda for this meeting. A list of all contracts executed during the same period of time on proposals previously reported was also included.

President Banowsky recommended that the President or the President's designees be authorized to execute contracts on the pending proposals as negotiations are completed. The contract budgets may differ from the proposed amounts depending on these negotiations.

Regent Imel moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

#### REPORT ON MAJOR CAPITAL IMPROVEMENT PROJECTS

As shown on the following page, a report was presented to the Regents on major capital improvement projects now under construction and in various stages of planning on the Oklahoma City Campus. No action was required.

#### III. Norman Campus

##### FACULTY PERSONNEL ACTIONS

##### LEAVES OF ABSENCE:

Sidney D. Brown, Professor of History, sabbatical leave of absence with full pay, August 16, 1984 to January 1, 1985, changed to sabbatical leave of absence with half pay, August 16, 1984 to May 16, 1985.

Bruce A. Magurn, Associate Professor of Mathematics, leave of absence without pay, August 16, 1984 through May 15, 1985. To accept visiting appointment at Cornell University.

PROJECTS UNDER CONSTRUCTION

Project	Architects or Engineers	Contractors	Contract Award Date	Original Adjusted Completion Date	Original Current Contract Amount	Status Percent Complete	Source of Funds
Steam and Chilled Water System Expansion, Phase V, Part II, Project 3	Frankfurt-Short-Bruza	Kay Engineering Company	04/16/81	01/05/82 05/15/84	\$2,832,447 \$2,847,008	99%	Revenue Bond Funds.

PROJECTS IN VARIOUS STAGES OF PLANNING

Project	CMP Priority Number	Architects or Engineers	Contract or Letter	Estimated Cost	Status
Physical Fitness Center	---	Coleman, Ervin & Associates	09/11/80	\$6,783,500	Inactive.
Steam and Chilled Water System Expansion, Phase V	---	Frankfurt-Short-Bruza	11/30/79	\$4,700,000	Construction has been completed on major portions of this project and is underway on other elements.
Steam and Chilled Water System Expansion, Phase V, Part III, Project I, Energy Conservation	---	Frankfurt-Short-Bruza	11/30/79	\$ 400,000	Design work has been completed.
Family Medicine Building	NC 2	Architectural and Engineering	---	\$8,268,515	Planning studies are underway.

July 11, 1984

18037

APPOINTMENTS:

Joel Kelley Dietrich, Associate Professor of Architecture, \$27,200 for 9 months, August 16, 1984 through May 15, 1985.

Kenneth Stuart Gallant, J.D., Visiting Associate Professor of Law, \$34,000 for 9 months, August 16, 1984 through May 15, 1985.

Frank William Howard, Acting Director and Adjunct Assistant Professor of Aviation and Chief Flight Examiner, \$21,382 for 12 months, July 1, 1984 through June 30, 1985.

Craig A. Dudczak, Ph.D., Assistant Professor of Communication, \$19,000 for 9 months, August 16, 1984 through May 15, 1985.

Chung Ja Liew, Adjunct Assistant Professor of Economics, rate of \$33,333 for 12 months, May 17, 1984 through August 31, 1984. Paid from grant funds.

John Clark Archer, Ph.D., Visiting Assistant Professor of Geography, \$24,000 for 9 months, August 16, 1984 through May 15, 1985.

Phyllis S. Lansing, Adjunct Assistant Professor of Library Science, without remuneration, January 16, 1984. Also Assistant Professor of Medical Library Science, Health Sciences Center.

Robert S. Roberts, Ph.D., Visiting Assistant Professor of Management, \$26,000 for 9 months, August 16, 1984 through May 15, 1985.

Luis R. Fraga, Ph.D., Assistant Professor of Political Science, \$19,500 for 9 months, August 16, 1984 through May 15, 1985.

Mary R. Whitmore, Assistant Professor of Zoology, \$19,200 for 9 months, 3/4 time, August 16, 1984 through May 15, 1985.

Howard L. Johnson, reappointed Research Scientist, Oklahoma Climatological Survey, \$26,700 for 12 months, July 1, 1984 through June 30, 1985.

CHANGES:

Israel R. Bonnell, Instrumentation Specialist, Department of Chemistry, and Assistant Professor of Chemistry, salary increased from \$22,800 to \$30,000 for 12 months, July 1, 1984.

Alan P. Covich, Associate Professor of Zoology; given additional title of Assistant Chair of Zoology, September 1, 1984.

F. Ted Hebert, Associate Director, Bureau of Government Research, and Professor of Political Science, salary changed from \$31,400 for 12 months, to \$31,400 for 9 months, August 16, 1984. Budget correction.

July 11, 1984

18038

David C. Mair, Assistant Professor of English; given additional title of Acting Director of Freshman Composition, salary changed from \$20,100 for 9 months to \$27,500 for 12 months, July 1, 1984 through June 30, 1985.

Chris A. Purcell, Assistant Vice President for Student Affairs and Director, Student Development Programs; given additional title of Adjunct Assistant Professor of Education, without additional remuneration, July 1, 1984 through June 30, 1985.

Stephen Sloan, leave of absence from Professor of Political Science position; appointed Senior Research Fellow, Air University, Maxwell Air Force Base, salary changed from \$31,500 for 9 months to \$42,000 for 12 months, August 1, 1984 through July 31, 1985. Paid from grant funds.

Jonathan C. Twichell, Instrumentation Physicist and Instructor, Department of Physics and Astronomy, salary changed from \$10,476 for 12 months, .50 time, to \$20,952 for 12 months, full time, July 1, 1984.

Suphat Watanasiri, reappointed Research Scientist and Instructor, School of Chemical Engineering and Materials Science, rate of \$21,000 for 12 months, June 1, 1984 through September 30, 1984. Paid from grant funds.

Timothy P. Yoshino, Associate Professor of Zoology; given additional title of Project Director, NIH Research Career Development grant, \$35,200 for 12 months, September 1, 1984 through August 31, 1985. 85% of appointment to be paid from grant funds.

#### RESIGNATIONS:

Stephen R. Axley, Assistant Professor of Communication, August 1, 1984. To accept position at Western Illinois University.

William D. Impey, Assistant Professor of Education, September 14, 1984. To accept position as Chairperson of the Division of Education and Psychology at Clinch Valley College of the University of Virginia.

Jack Jay Kramer, Assistant Professor of Education, September 22, 1984. To accept position as Associate Professor of Education Psychology and Assistant Director of the Buros Institute of Mental Measurement at the University of Nebraska-Lincoln.

Patricia L. Smith, Assistant Professor of Education, September 22, 1984. To accept a position with the College of Education, University of Texas at Austin.

President Banowsky recommended approval of the personnel actions listed above.

Regent Imel moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

July 11, 1984

18039

President Banowsky reported the death of the following faculty member:

Grace Ernestine Ray, Professor Emeritus of Journalism, on June 30, 1984.

#### ADMINISTRATIVE AND PROFESSIONAL PERSONNEL ACTIONS

##### APPOINTMENTS:

- \*Linda E. Armstrong, reappointed Data Analyst, Information Systems Programs, Energy Resources Institute, \$21,500 for 12 months, July 1, 1984 through June 30, 1985. Managerial Staff.
- \*Shaheen Ayub, reappointed Associate Petroleum Engineer, Information Systems Programs, Energy Resources Institute, \$30,400 for 12 months, July 1, 1984 through June 30, 1985. Professional Staff.
- \*Cecil G. Barlow, Jr., reappointed Associate Director, ISP Administration, Planning and Evaluation, Information Systems Programs, Energy Resources Institute, \$45,300 for 12 months, July 1, 1984 through June 30, 1985. 50% of salary paid from grant funds. Administrative Staff.
- \*Bill D. Brackett, reappointed Program Development Specialist, Public Responsibility and Community Affairs and Institute for Employment and Career Planning, \$29,272 for 12 months, July 1, 1984 through June 30, 1985. 90% of salary paid from grant funds. Professional Staff.
- \*Jerlene Bright, reappointed Director, Information Systems Programs, Energy Resources Institute, \$46,000 for 12 months, July 1, 1984 through June 30, 1985. 50% of salary paid from grant funds. Administrative Staff.
- \*Mary F. Brockway, reappointed Associate Director, ISP Analysis and Technical Management, Information Systems Programs, Energy Resources Institute, \$44,700 for 12 months, July 1, 1984 through June 30, 1985. 50% of salary paid from grant funds. Administrative Staff.
- \*Joseph M. Chism, reappointed Associate Petroleum Geologist, Information Systems Programs, Energy Resources Institute, \$29,750 for 12 months, July 1, 1984 through June 30, 1985. Professional Staff.
- \*Toni A. Clark, reappointed Project Specialist, Information Systems Programs, Energy Resources Institute, \$20,800 for 12 months, July 1, 1984 through June 30, 1985. Professional Staff.
- \*Rosina E. Dimson, reappointed Data Analyst, Information Systems Programs, Energy Resources Institute, \$20,700 for 12 months, July 1, 1984 through June 30, 1985. Managerial Staff.

\*Paid from grant funds; subject to the availability of funds.

July 11, 1984

18040

\*Melanie DoRemus, Programmer, Information Systems Programs, Energy Resources Institute, rate of \$22,500 for 12 months, July 16, 1984 through June 30, 1985. Professional Staff.

\*Charles W. Dunn, Jr., reappointed Marketing Specialist, Information Systems Programs, Energy Resources Institute, \$23,500 for 12 months, July 1, 1984 through June 30, 1985. Professional Staff.

\*Bonnie Fair, reappointed Manager, Document/Respondent Control, Information Systems Programs, Energy Resources Institute, \$24,150 for 12 months, July 1, 1984 through June 30, 1985. Managerial Staff.

\*Mary K. Grasmick, reappointed Manager, Technical Projects, Information Systems Programs, Energy Resources Institute, \$33,600 for 12 months, July 1, 1984 through June 30, 1985. Managerial Staff.

\*Elizabeth Gunn, reappointed Technical Project Coordinator, Information Systems Programs, Energy Resources Institute, \$25,000 for 12 months, July 1, 1984 through June 30, 1985. Managerial Staff.

John Whitt Hampton, Auditor, Internal Auditing, \$21,500 for 12 months, July 16, 1984. Professional Staff.

\*Stephen H. Hinkle, reappointed Data Analyst, Information Systems Programs, Energy Resources Institute, \$22,000 for 12 months, July 1, 1984 through June 30, 1985. Managerial Staff.

\*Charlotte B. Knowles, reappointed Technical Project Assistant, Information Systems Programs, Energy Resources Institute, \$22,000 for 12 months, July 1, 1984 through June 30, 1985. Managerial Staff.

\*Pamela S. Koscinski, reappointed Assistant Director, ISP Administrative Operations, Information Systems Programs, Energy Resources Institute, \$30,000 for 12 months, July 1, 1984 through June 30, 1985. 90% of salary paid from grant funds. Managerial Staff.

\*Kenneth G. MacDonald, reappointed Director of Marketing, Energy Resources Institute, \$50,000 for 12 months, July 1, 1984 through June 30, 1985. Administrative Staff.

\*Jocelyn P. McCarty, reappointed Programmer, Information Systems Programs, Energy Resources Institute, \$20,500 for 12 months, July 1, 1984 through June 30, 1985. Professional Staff.

\*Anthony B. Mooreland, reappointed Data Analyst, Information Systems Programs, Energy Resources Institute, \$21,450 for 12 months, July 1, 1984 through June 30, 1985. Managerial Staff.

\*Paid from grant funds; subject to the availability of funds.



July 11, 1984

18041

- \*Anne C. Mycek-Memoli, reappointed Programmer/Analyst, Information Systems Programs, Energy Resources Institute, \$23,000 for 12 months, July 1, 1984 through June 30, 1985. Professional Staff.
- \*Ramana B. V. Rao, reappointed Manager, Petroleum Geology and Engineering, Information Systems Programs, Energy Resources Institute, \$37,500 for 12 months, July 1, 1984 through June 30, 1985. Managerial Staff.
- \*Paula V. Reid, reappointed Systems Analyst, Information Systems Programs, Energy Resources Institute, \$27,000 for 12 months, July 1, 1984 through June 30, 1985. Professional Staff.
- \*Robert E. Rood, reappointed Associate Petroleum Geologist, Information Systems Programs, Energy Resources Institute, \$29,000 for 12 months, July 1, 1984 through June 30, 1985. Professional Staff.
- \*Dennis L. Rowe, reappointed Manager, Computer Production Services, Information Systems Programs, Energy Resources Institute, \$25,000 for 12 months, July 1, 1984 through June 30, 1985. Administrative Staff.
- \*Larry G. Shearer, reappointed Programmer/Analyst, Information Systems Programs, Energy Resources Institute, \$22,500 for 12 months, July 1, 1984 through June 30, 1985. Professional Staff.
- \*Patricia Ann Tracy, reappointed Senior Systems Analyst, Information Systems Programs, Energy Resources Institute, \$19,920 for 12 months, .60 time, July 1, 1984 through June 30, 1985. Professional Staff.
- \*David S. Vincent, reappointed Systems Analyst, Information Systems Programs, Energy Resources Institute, \$29,000 for 12 months, July 1, 1984 through June 30, 1985. Professional Staff.

CHANGES:

Janis Elaine Burton, title changed from Associate Director, Sports Information, to Athletics Publications Coordinator, Athletic Department, salary increased from \$21,000 to \$23,000 for 12 months, July 1, 1984. Managerial Staff.

Leon V. Crowley, title changed from Program Manager to Director, Center for Educational Development, July 1, 1984. Administrative Staff.

Gregg A. Eichenfield, Associate Director, Counseling Center, salary increased from \$28,000 to \$29,000 for 12 months, July 1, 1984.

Donald J. Hotz, Director, Lloyd Noble Center, salary increased from \$48,000 to \$53,000 for 12 months, July 1, 1984.

\*Paid from grant funds; subject to the availability of funds.

July 11, 1984

18042

M. Ben Kinder, Director of Physical Plant, salary increased from \$51,000 to \$53,000 for 12 months, July 1, 1984.

J. R. Morris, Provost, Norman Campus; given additional title of Senior Vice President, July 11, 1984.

\*Terry Philip Rizzuti, title changed from Manager, ISP Publications, to Manager, ISP Publications and Office Support, Information Systems Programs, Energy Resources Institute, salary increased from \$22,000 to \$24,000 for 12 months, July 1, 1984 through June 30, 1985.

Robert H. Shepard, Director, University Computing Services, salary increased from \$49,500 to \$53,000 for 12 months, July 1, 1984.

Joe Studebaker, title changed from Associate Director to Acting Director, Advanced Programs, salary changed from \$32,894 to rate of \$35,000 for 12 months, July 1, 1984 through December 31, 1984.

RESIGNATION:

Johnny D. James, Nuclear Reactor Supervisor and Health Physicist, Schools of Aerospace, Mechanical, and Nuclear Engineering and of Civil Engineering and Environmental Science, August 14, 1984.

RETIREMENT:

Edward A. Garling, Superintendent, Building Trades, Physical Plant, August 1, 1984 (accrued vacation through September 19).

President Banowsky recommended approval of the personnel actions listed above.

President Banowsky called attention to the fact that included in the changes is his recommendation that Provost J. R. Morris be given the additional title of Senior Vice President effective as of this date. President Banowsky said within the next few weeks Dr. Morris will relinquish his title as Provost and will move full time to the President's Office. He said the position of Senior Vice President will include the responsibilities which Dr. Turner performed and will be a University-wide position. Dr. Morris will be giving key assistance to Dr. Banowsky in internal areas as well as with the external constituencies of the University. Dr. Banowsky said after he has had time to consult with the deans, the faculty, staff, and student leadership, perhaps around September 1 to September 15, he will be naming an Interim Provost to serve during the time it takes to conduct a national search. A Search Committee will be selected about the same time. Dr. Banowsky said that Dr. Morris has been an outstanding Provost.

\*Paid from grant funds; subject to the availability of funds.

July 11, 1984

18043

Regent White moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

President Banowsky and the members of the Board congratulated Dr. Morris on his new appointment.

#### SUMMER INSTITUTE OF LINGUISTICS AGREEMENT

The University of Oklahoma has been contracting with the Summer Institute of Linguistics for a number of years for the use of space during the summer to conduct a language instruction program. Students enrolled in this quality program receive regular academic credit and pay the standard fees. The University reimburses the Institute for the cost of instruction according to a schedule which amounts to slightly less than the revenue generated by student fees. A new agreement has been proposed for the summer of 1984. The agreement includes a charge of \$53,220 for certain student housing facilities which are available for the students and personnel of the Institute during the summer program.

President Banowsky recommended approval of entering into an agreement with the Summer Institute of Linguistics for the summer of 1984 as outlined above.

Regent McCurdy moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

#### OKLAHOMA GEOLOGICAL SURVEY AGREEMENT

The renewal of the agreement between the Oklahoma Geological Survey and the United States Geological Survey for an investigation of the water resources of Oklahoma for the first quarter of the 1984-85 fiscal year has been proposed. The agreement provides that each party will contribute \$86,500 during the period July 1, 1984 through September 30, 1984 to continue the water resources study in Oklahoma. The amounts contributed will cover all the costs of the necessary field work and office work directly related to this program but exclude any general administrative or accounting work in the office of either party.

The other terms of this agreement are identical with the agreements of previous years.

President Banowsky recommended approval of entering into the agreement with the United States Geological Survey as explained above for the first quarter of the 1985 fiscal year.

Regent White moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

## SEISMIC DATA PROCESSING SYSTEM

Bids were recently circulated for the purchase of a seismic data processing system for the College of Geosciences. The system will consist of a DEC VAX 780 Computer with a VAX 785 upgrade package and seismic data processing application software. The cost of the purchase will be funded by a grant from the Shell Foundation.

Bids were received from the two vendors who specialize in providing VAX supported seismic software:

	<u>Purchase Cost</u>
1. Seismographic Services Corp. Tulsa	
<u>Bid A</u>	
VAX 11/780 with 785 upgrade	\$ 657,485
Applications Software	N/C*
Total Purchase Cost	<u>\$ 657,485</u>
5 Years Maintenance	<u>\$ 490,644</u>
Total 5-Year Life Cycle Cost	<u>\$1,148,129</u>
*Donated Software value stated at \$360,000	
<u>Bid B</u> (Includes six items of donated refurbished equipment)	
VAX 11/780 with 785 upgrade	\$ 572,300
Applications Software	N/C
Total Purchase Cost	<u>\$ 572,300</u>
5 Years Maintenance	<u>\$ 509,583</u>
Total Life Cycle Cost	<u>\$1,081,883</u>
2. Digicon Geophysical Corp. Houston	
System Hardware	\$ 610,545
System Software	21,820
Seismic Software	99,242*
Installation	16,093
Freight/Insurance	<u>2,300</u>
Total Purchase Cost	<u>\$ 750,000</u>
*Donated software value stated at \$455,758	
5 Years Maintenance	<u>\$ 486,000</u>
Total Life Cycle Cost	<u>\$1,236,000</u>

The Evaluation Committee consisted of representatives from Geology, Geography, Meteorology, Computing Services, and Purchasing. After vendor presentations and conducting site visits, the Evaluation Committee selected the Seismographic Services bid as the bid which best meets the specifications for the following reasons:

1. Both of SSC's bids are lower than the Digicon Bid.
2. Although the software offered by Digicon has a higher monetary value, the Committee considers the software offered by SSC to be of equal value.
3. The SSC hardware architecture allows for direct input/output to the array processor without tying up the VAX computer.
4. The location of SSC's corporate offices in Tulsa will allow for closer support.

The Evaluation Committee selected SSC's Bid B Option because of the lower cost. In accepting this lower alternative, the Committee decided to add three pieces of equipment - digitizer, tape switch, and color display workstation - for an additional \$34,000, making the total purchase with SSC \$606,300.

President Banowsky recommended that the Board of Regents approve the award of a purchase order in the amount of \$606,300 to Seismographic Services Corporation for the purchase of a seismic data processing system.

Regent McCurdy moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

IMAGE PROCESSING SYSTEM

Bids were recently circulated for the purchase of an image processing system for the College of Geosciences. The image processor will be used in conjunction with a seismic data processing system. The cost of the purchase will be funded by a grant from the Shell Foundation.

Bids were received as follows:

1. Comtal Corporation  
Altadena, California
 

A. Vision One/20 Purchase Price		\$151,312.00
Monthly Maintenance	\$1,132.26	
5-Year Maintenance		<u>67,935.60</u>
5-Year Life Cycle Cost		\$219,247.60

July 11, 1984

18046

B. Alternate:		
800 OR-Model 655ER Purchase Price		\$ 85,015.00
Monthly Maintenance	\$ 628.92	
5-Year Maintenance		<u>37,735.20</u>
5-Year Life Cycle Cost		\$122,750.20
2. Gould DeAnza Dallas		
IP 8500		\$123,120.00
Monthly Maintenance	\$1,782.00	
Software (LIPS V.3.0)		4,600.00
Monthly Maintenance	<u>100.00</u>	
	\$1,882.00	<u>\$127,720.00</u>
5-Year Maintenance Cost		<u>112,920.00</u>
5-Year Life Cycle Cost		\$240,640.00
3. DIPIX, Inc. Columbia, Maryland		
Aries II		\$217,310.00*
*Includes maintenance for the first year		
Monthly Maintenance (after 1st year)	\$2,354.00	
4-Year Maintenance Cost		<u>112,992.00</u>
5-Year Life Cycle Cost		\$330,302.00
4. Ramtek Corporation Austin, Texas		
RM 9460 plus components		\$ 85,998.00
Software		5,900.00
<u>Annual Maintenance</u>	\$9,048.00	
		<u>\$ 91,898.00</u>
5-Year Maintenance Cost		<u>45,240.00</u>
5-Year Life Cycle Cost		\$137,138.00

Vendor presentations were made to the Evaluation Committee by Comtal, Gould, and Ramtek. The DIPIX bid was considered to be out of the competitive range. Based upon the presentations, it was determined that the Ramtek bid did not meet the specifications. The Comtal alternate bid of \$85,015.00 also did not meet the specifications.

The Comtal base bid of \$151,312.00 was incomplete and an additional \$70,000.00 worth of equipment would be required to make the bid complete. The committee decided that the low bid of Gould DeAnza best meets the specifications. It was also decided to add optional items bid at a total of \$47,000.00 for a total purchase of \$174,720.00.

July 11, 1984

18047

President Banowsky recommended that the Board of Regents approve the award of a purchase order in the amount of \$174,720.00 to Gould DeAnza for the purchase of an image processing system.

Regent White moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

#### PURCHASE OF DISHWASHING SYSTEM

Bids were recently circulated to obtain an integrated dishwashing system for the Cate Dining Hall to replace the existing outdated system. This system includes the dishwasher, conveyer system for return dishes, and scrap system including garbage chute and pulper plus hoods, heaters, and other accessories. The bid price includes delivery, assembly, and installation.

It is planned to install the new system during the Christmas holiday semester break. Payment will be made from Food Services account 172-101.

One bid was received from Adamation Inc., Newton, Massachusetts in the amount of \$105,122.91.

This bid is under the original estimate of \$110,000 and is acceptable to the Directors of Food Service and Auxiliary Services. The Adamation bid was the only bid received.

President Banowsky recommended that the Board of Regents approve the award of a purchase order to Adamation Inc. in the amount of \$105,122.91.

Regent McCurdy moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

#### TRANSFORMERS

Bids were recently recirculated for the purchase of two 12.47KV to 2.4KV transformers necessary for the construction of a new University-owned electrical substation.

This project involves the construction of a new substation to replace the existing facility, owned by Oklahoma Gas and Electric Company, which is being removed to make room for the Energy Center complex. This new substation will provide for enhanced capacity and distribution efficiency allowing the University to purchase OG&E electricity at a less expensive bulk rate.

This purchase will be paid for with Utility Systems Improvement Bond Funds.

Eight bids were received as follows:

<u>Bidder</u>	<u>Base Bid 2 Units</u>	<u>Life-Cycle Cost of Losses 2 Units</u>	<u>Total Evaluated Cost 2 Units</u>
1. McGraw-Edison Co. Cannonsburg, Pennsylvania	\$ 219,706.00	\$ 432,600.00	\$ 652,306.00
2. H.K. Porter Co., Inc. Lynchburg, Virginia	\$ 230,324.00	\$ 357,576.00	\$ 587,900.00
3. Toshiba Intl. Corp. Houston, Texas	\$ 240,905.00	\$ 391,440.00	\$ 632,745.00
4. WESCO Oklahoma City	\$ 285,000.00	\$ 346,560.00	\$ 631,560.00
5. Kuhlman Electric Co. Crystal Springs, Mississippi	\$ 300,252.00	\$ 401,810.00	\$ 702,062.00
6. GESCO Oklahoma City	\$ 310,727.00	\$ 377,640.00	\$ 688,367.00
7. Hevi-Duty Goldsburgh, Pennsylvania	\$ 326,978.00	\$ 386,198.00	\$ 713,176.00
8. ASEA Waukesha, Wisconsin	\$ 365,434.00	\$ 312,180.00	\$ 677,614.00

Bids were reviewed and evaluated by C. H. Guernsey and Company under authority and supervision of the Director of Architectural and Engineering Services and the Director of Physical Plant. The evaluation was conducted on the basis of compliance with University invitation to bid terms and conditions, specifications and life-cycle costing (lowest cost to own). Based on a consideration of total evaluated cost, a combination of first cost and estimated life-cycle cost, H. K. Porter submitted the lowest bid. However, the project engineers recommend that this bid not be accepted based upon four documented equipment failures. WESCO, the second low bidder, indicated that they would place limitations on the amount of the liquidated damages in the event that they failed to meet the required delivery schedule. Since delivery time is critical to the project and the other low bidders did accept these terms, the bid was rejected. Toshiba submitted the third lowest bid in terms of evaluated cost, but cannot meet the required delivery schedule. The bid submitted by McGraw-Edison Power Systems met all essential criteria and is acceptable to the Director of Physical Plant and the Director of Architectural and Engineering Services.



July 11, 1984

18049

President Banowsky recommended that the Board of Regents approve the award of a purchase order in the amount of \$219,706.00 to McGraw-Edison Power Systems, subject to their compliance with specified payment terms and warranty conditions, for the purchase of two 12.47KV to 2.4KV transformers to be used in the construction of a new University-owned electrical substation.

Regent McCurdy moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

#### PURCHASE OF SPECTROFLUOROMETER

Bids were recently circulated for a spectrofluorometer for the Department of Chemistry. The cost of the purchase will be charged to Section 13 and departmental funds.

The purchase request was received on June 19, 1984, and the bid opening date has been scheduled for July 10, 1984. Bids were circulated to the following vendors:

SLM Instruments  
Urbana, Illinois

Waters Associates  
Milford, Massachusetts

Spex Industries  
Metrichen, New Jersey

The cost of the purchase is estimated at \$40,000. In order to preclude a delay in the award of the purchase order until the September meeting, it would be in the best interests of the University to award the purchase order as soon as possible after the bid opening.

President Banowsky recommended that the Board of Regents authorize the award of a purchase order for the spectrofluorometer to the lowest bidder meeting the specifications with an information item on the award action being submitted at the Board meeting in September.

Regent Imel moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

#### PURCHASE OF FOOD PRODUCTS

The following purchase orders were awarded for the period of July 1, 1984 through June 30, 1985 for the University Food Service Department. These awards were made in keeping with the University fiscal management policy which authorizes the President of the University to approve awards for amounts over \$35,000 for items which are for resale.

July 11, 1984

18050

<u>COMPANY</u>	<u>PRODUCT</u>	<u>AMOUNT</u>
Coca Cola, USA Atlanta, Georgia	Fountain Syrups	\$ 42,767.20
Gilt Edge Farms, Inc. Norman, Oklahoma	Milk and Milk Products	\$197,697.04
Rainbo Baking Company Oklahoma City, Oklahoma	Bread and Bread Products	\$ 57,537.16
Borden, Inc. Oklahoma City, Oklahoma	Ice Cream	\$ 39,925.34
Beatrice Foods Company Tulsa, Oklahoma	Cottage Cheese	\$ 45,702.40
Sysco Food Systems, Inc. Dallas, Texas	Frozen Juice Concentrates	\$ 57,649.75

This was reported for information. No action was required.

#### PROPOSAL, CONTRACT, AND GRANT REPORT

A summary of proposals for contracts and grants for the Norman Campus for June, 1984 was included in the agenda for this meeting. A list of all contracts executed during the same period of time on proposals previously reported was also included.

President Banowsky recommended that the President or the President's designees be authorized to execute contracts on the pending proposals as negotiations are completed. The contract budgets may differ from the proposed amounts depending on these negotiations.

Regent White moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

#### UTILITY SYSTEMS IMPROVEMENTS

Final plans and specifications have been completed by C. H. Guernsey and Company for the construction of the Power Plant substation and the inter-connect substation, which are part of the Utility Systems Improvement Project. Completion of this construction work is scheduled to coincide with the power supply conversion in the Norman area, which will occur during the summer of 1985. The estimated cost of construction of the two substations is \$1,080,000. This work will be funded with the proceeds from the sale of bonds for the Utility Systems Improvement Project. Plans and specifications have been reviewed by the University staff.

July 11, 1984

18051

President Banowsky recommended that the Board of Regents approve the final plans and specifications for the construction of the Power Plant and the interconnect substations for the Utility Systems Improvement Project and authorize advertising the project for bids.

Regent White moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

#### UTILIZATION OF 1984-85 SECTION 13 AND NEW COLLEGE FUNDS

In accordance with the policies and procedures of the Oklahoma State Regents for Higher Education, the University administration has developed a plan for the utilization of Section 13 and New College Funds scheduled to be received during the period July 1, 1984 to June 30, 1985. When approved, the projects listed below will be included in the Campus Master Plan for Capital Improvement Projects:

<u>Project</u>	<u>Amount</u>
1. Emergency Lighting: Physical Sciences Center (Partial)	\$ 10,000
2. School of Library Science Renovation	100,000
3. Whitehand Hall Renovation, Phase I (Partial) for the College of Architecture	185,000
4. College of Architecture Renovation and Equipment (Partial)	125,000
5. Roof Repairs (Partial): Physical Sciences Center	50,000
6. Collings Hall Renovations (Partial), structural repairs	50,000
7. Retrofit Buildings: Mechanical and Electrical (Partial)	70,100
8. Carnegie Building, Third Floor Renovation, to enlarge project	25,000
9. Academic Movable Equipment (Partial), includes movable equipment and library acquisitions	1,150,679
10. Computer Hardware (Partial)	500,000

<u>Project</u>	<u>Amount</u>
11. School of Music Building, Phase IA	500,000
12. Land Acquisition, 1984-85 (Partial)	100,000
13. Handicapped Exterior Improvements	30,000
14. Health Sciences Center Renovations and Equipment	<u>150,000</u>
TOTAL	\$3,045,779

Project Description

1. Emergency Lighting: Physical Sciences Center (Partial) - Authorization is requested to use \$10,000 to install emergency lighting in the Physical Sciences Center stairwells serving floors 1 through 4.

2. School of Library Science Renovation - The School of Library Science, located in Bizzell Memorial Library, has serious access, air conditioning and restroom problems that need resolution. Authorization is requested to use \$100,000 to correct major problems.

3. Whitehand Hall Renovation, Phase I (Partial) - This project involves renovation of a portion of Whitehand Hall to provide faculty and graduate offices, seminar areas and movable equipment. The estimated cost of this work is \$185,000.

4. College of Architecture Renovation and Equipment (Partial) - The College of Architecture, which has been growing in size and programs during the past five years, now has a critical shortage of computer and academic equipment and space for offices and teaching laboratories. One part of a solution to these space problems includes renovation within the stadium to provide additional teaching and work space. The estimated cost of the equipment and renovation work is \$125,000.

5. Roof Repairs (Partial): Physical Sciences Center - Authorization is requested to use \$50,000 to replace the roofing of the Physical Sciences Center.

6. Collings Hall Renovation (Partial) - Authorization is requested to use \$50,000 to correct structural and foundation problems in Collings Hall.

7. Retrofit Buildings: Mechanical and Electrical (Partial) - Authorization is requested to use \$70,100 to match Federal funds for energy conservation grants to replace central system demineralizer and steam control valves in Cate and Cross Centers.

8. Carnegie Building, Third Floor Renovation - Authorization is requested to use an additional \$25,000 to renovate a portion of the third floor of Carnegie Building for faculty and graduate student offices.

9. Academic Movable Equipment (Partial) - Authorization is requested to use \$650,679 to purchase new and replacement fixed and movable instructional and research equipment and furniture and \$500,000 for library acquisitions.

10. Computer Hardware (Partial) - Authorization is requested to use \$500,000 to purchase research and educational computing equipment.

11. School of Music Building, Phase IA - Authorization is requested to use \$500,000 to supplement the budget of Phase I of the School of Music Building.

12. Land Acquisition 1984-85 - Authorization is requested to use \$100,000 for land acquisition.

13. Handicapped Exterior Improvements - Authorization is requested to use \$30,000 to construct handicapped accessible ramps and other improvements at various locations on campus.

14. Health Sciences Center Renovations and Equipment - Authorization is requested to use \$150,000 for building renovations and items of equipment including a spectrophotometer and scintillation counter.

President Banowsky recommended that the Board of Regents approve the projects listed above and authorize the plan to use a total of \$3,045,779 of Section 13 and New College Funds in 1984-85 to cover the funding.

Regent White moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

#### ON-CALL CONSULTANTS

In April of 1982, the Board of Regents selected Sprehe and Associates, Inc. engineers for a campus lighting project and as on-call engineering consultants for a one-year period with an option to renew the on-call arrangement for an additional year. There is a continuing need for on-call engineering services for small projects.

Sprehe and Associates, Inc. provided excellent services on both the original lighting project and on a small air conditioning design project which was completed in early 1984. In view of the need, it is recommended that the firm's status as on-call consulting engineers be continued until June 30, 1985.

In July of 1982, the Board of Regents selected Turnbull and Mills, Inc. as architects for the Engineering Library Renovation project and to serve as on-call architectural consultants for a one-year period with an option to renew the on-call arrangement for an additional year.

July 11, 1984

18054

Turnbull and Mills, Inc. did an excellent job on the Engineering Library Renovation project and on a preliminary study of a small project for the U.S. Postal Service. In view of the continuing need for an on-call architectural consultant, it is recommended that the firm's term of service be extended to June 30, 1985.

President Banowsky recommended that the Board of Regents extend the terms of service of Paul Sprehe and Associates, Inc. as on-call engineering consultants and Turnbull and Mills, Inc. as on-call architectural consultants until June 30, 1985.

Regent McCurdy moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

#### PURCHASE OF PROPERTY

For a number of years the University has acquired individual pieces of property which surround the campus as the property has become available. In September 1983, the Board of Regents approved a Section 13 and New College Fund land purchase budget of \$520,000 for 1983-84 to purchase various pieces of property. Two properties near the campus, 1220 Monnett and 122 E. Brooks, were purchased for the University by the University of Oklahoma Foundation.

Section 13/New College Funds have been budgeted to purchase these two properties from the University Foundation.

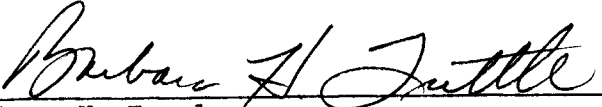
President Banowsky recommended that \$168,446 of Section 13 and New College Funds be used for the purchase of 1220 Monnett and 122 E. Brooks from The University of Oklahoma Foundation.

Regent McCurdy moved approval of the recommendation. The following voted yes on the motion: Regents Little, McCurdy, Imel, Kemp, Sarratt, and White. The Chair declared the motion unanimously approved.

#### REPORT ON MAJOR CAPITAL IMPROVEMENT PROJECTS

As shown on the following pages, a report was presented to the Regents on major capital improvement projects now under construction and in various stages of planning on the Norman Campus. No action was required.

There being no further business, the meeting adjourned at 10:05 a.m.

  
Barbara H. Tuttle  
Executive Secretary of the Board of Regents

PROJECTS UNDER CONSTRUCTION

Project	Architects or Engineers	Contractors	Contract Award Date	Original Adjusted Completion Date	Original Current Contract Amount	Status Percent Complete	Source of Funds
Energy Center Building, Phase IIA	The Benham Group	Harmon Construction	07/14/83	<u>12/31/85</u> 05/14/86	<u>\$9,229,613</u> \$9,151,728	33%	State Building Funds and private funds.
Energy Center Building, Phase IIIA	The Benham Group	Harmon Construction	01/13/84	<u>12/31/85</u> 05/24/86	<u>\$3,788,914</u> \$3,920,414	19%	State Building Funds and private funds.
School of Music Building, Phase IA	Kaighn Associates Architects Inc. and Bauer, Stark & Lashbrook, A Joint Venture	Flintco, Inc.	02/08/84	01/27/86	<u>\$4,368,000</u> \$4,732,107	8%	State Building Funds and private funds.
Maintenance Technical Support Center Renovation and Addition	Meyer/Brown, Inc.	Lambrech Construction, Inc.	02/03/84	08/31/84	\$ 720,265 \$ 725,415	56%	Federal Funds.
Chiller Drive Energy Conservation Project	---	Physical Plant	---	08/30/84	\$ 105,500	97%	Section 13 and New College Funds, and Federal Funds.
Gould Hall Renovation, Phase IIA	Loftis, Bell & Downing, Architects and Engineers	Physical Plant	---	10/30/84	\$ 250,000	93%	State Building Funds.
Carnegie Building	Architectural and Engineering Services	Physical Plant	---	08/17/84	\$ 121,065	40%	Section 13 and New College Funds.
Max Westheimer Field	C.H. Guernsey Company, Inc.	T.J. Campbell Company	---	---	\$ 481,710	0%	DOT Grant and University Funds.

Project	CMP Priority Number	Architects or Engineers	Contract or Letter	Estimated Cost	Status
Science Hall Renovation	M&R 28	Shaw Associates, Inc.	01/22/76	\$ 886,201	Schematic plans have been approved. Project is inactive.
Gould Hall Renovation, Phase II	M&R 13B	Loftis, Bell & Downing Architects and Planners	07/22/82	\$ 1,695,000	This project is inactive.
Golf Course Improvement Program, Dam, Lake, and Pumping System, Part 1	---	Associated Engineers, Inc.	12/10/80	\$ 450,000	Final plans have been completed.
Golf Course Improvement Program, Water Distribution and Sprinkler System, Part 2	---	Architectural and Engineering Services	---	\$ 300,000	Final plans have been completed.
Golf Course Improvement Program, Landscaping and Other Improvements, Part 3	---	Architectural and Engineering Services	---	\$ 250,000	Preliminary studies are in process.
Golf Course Improvement Program, Effluent Line, Part 4	---	Associated Engineers, Inc.	12/10/80	\$ 150,000	Final plans have been completed.
Energy Center Building, Phases IIB, IIIB, IV and V	NC 2	The Benham Group	12/16/81	\$45,000,000	Final plans for Phases IIB and IIIB are being completed. Design development plans for Phases IIB, IIIB and IV are complete. Phase IA is complete. Phases IIA and IIIA are under construction.
School of Music Building, Phase 1B, 1C and 1D	NC 3&4	Kaighn Associates Architects, Inc. and Bauer, Stark & Lashbrook A Joint Venture	04/08/82	\$13,400,000	Contract documents have been completed for Phases 1B, 1C and 1D. Phase 1A is under construction.
Brooks Street Parking Area	---	Lawrence, Lawrence, and Flesher	07/27/79	\$ 750,000	Inactive. Preliminary plans have been completed.
Copeland Hall Addition	NC 5	Murray-Jones-Murray	03/01/83	\$ 5,000,000	The basic requirements for this project are being reconsidered.



Project	CMP Priority Number	Architects or Engineers	Contract or Letter	Estimated Cost	Status
College of Environmental Design Expansion	M&R 56	Architectural and Engineering Services	---	\$ 800,000	Inactive.
Career Planning and Placement Renovation	M&R 59	Architectural and Engineering Services	---	\$ 200,000	Preliminary plans are complete. The project is inactive.
University Childhood Center	ANC 1	Architectural and Engineering Services	---	\$ 800,000	This project is inactive.
Max Westheimer Field, North Taxiway System Improvements, Phase IV	NSI 19	C.H. Guernsey Company, Inc.	04/14/83	\$ 939,600	Final plans for the second phase of work (Parts C, D and E) are underway. Applications for DOT Grants have been submitted.
N.E.L. Building Renovation	M&R 73	Architectural and Engineering Services	---	\$ 500,000	The telecommunications section of this project is complete. Plans for the second floor area are in the process.
Utility Systems Improvements	---	Architectural and Engineering Services	---	\$ 9,986,000	Initial studies are complete. Bonds have been sold. Engineers have been selected and are at work on preliminary plans. Bids for new transformers were received on June 7, 1984. Plans for two substations have been completed.
Chilled Water Plant No. 1 Modifications	M&R 73A	---	---	\$ 458,000	A grant of \$210,000 has been received from DOE.
U.S. Postal Service Technical Training Center	---	Architectural and Engineering Services	---	---	A proposal has been developed and submitted to the U.S. Postal Service.