

OHIO UNIVERSITY
ATHENS, OHIO 45701

BOARD OF TRUSTEES

July 8, 1988

TO: Those listed below*

FROM: Alan H. Geiger, Secretary, Board of Trustees *A. Geiger*

SUBJECT: Minutes of the June 25, 1988, Meeting of the Board

Enclosed for your file is a copy of the June 25 minutes.
This draft will be presented for approval at the next stated meeting
of the Board.

Also included are copies of the minutes of the Edison Center
meeting of June 17, 1988, and the College of Osteopathic Medicine
Advisory Board meeting of May 6, 1988.

Enclosures

*Chairman and Members of the Board

Mr. Johnson
Mr. Voelker
Dr. Ping
Mr. Kennard
Dr. Geiger
Dr. Bruning
Dr. Harter
Dr. Turnage
Mr. Rudy
Archives (2)
Mr. Ellis
Mr. Burns
Mr. Kotowski
Chairman Regional Coordinating
Council

OHIO UNIVERSITY
ATHENS, OHIO 45701

BOARD OF TRUSTEES

MINUTES OF THE MEETING OF
THE BOARD OF TRUSTEES OF OHIO UNIVERSITY
2:00 P.M., SATURDAY, JUNE 25, 1988
ELSON HALL
OHIO UNIVERSITY-ZANESVILLE CAMPUS

I. ROLL CALL

Six members were present, namely Chairman Fritz J. Russ, Richard R. Campbell, Dennis B. Heffernan, Jeanette G. Grasselli, Ralph E. Schey and J. Craig Strafford, M.D.. This constituted a quorum. Trustee Priscilla S. D'Angelo attended the Friday sessions. Trustee Lewis R. Smoot, Sr. was unable to attend due to a death in his family.

President Charles J. Ping and Secretary Alan H. Geiger were present. Donald H. Voelker who sits with the Board by invitation as President of the Ohio University Alumni Board of Directors was also present. This was Mr. Voelker's first meeting.

Notice has not yet been received from the Governor regarding the appointment of Mr. Baumholtz's successor.

II. APPROVAL OF MINUTES OF THE
MEETING OF APRIL 9, 1988

Chairman Russ moved approval of the minutes as distributed. Mr. Heffernan seconded the motion. Approval was unanimous.

III. COMMUNICATIONS, PETITIONS AND MEMORIALS

Secretary Geiger reported word had been received from Elizabeth Baker thanking the Board for naming the Baker Center Window Room in her honor. Dr. Geiger stated the Board had by telephone concurrence authorized the awarding of an honorary degree to this year's commencement speaker Loretta Miller Ruppe. Confirmation of the degree awarded is to be undertaken at this meeting.

IV. ANNOUNCEMENTS

Secretary Geiger reported there were no announcements.

V. REPORTS

Chairman Russ invited President Ping to present persons for reports. The President, in turn, introduced Jack G. Ellis and Alan H. Geiger.

A. Third Century Campaign Report Jack G. Ellis Vice President for Development

Vice President Ellis reported planning for the undertaking of a major fund-raising campaign to benefit the future of the University is going well. He reviewed the recent history of the planning efforts on campus and cited public interest in issues concerning higher education. Mr. Ellis compared these issues with those identified in Toward The Third Century, a colloquium report for Ohio University, and noted the similarity between the two.

Mr. Ellis briefly described specific actions taken since the Board's January motion including preparation of the CASE Statement identifying university needs, improving information systems, adding staff and research support, identifying volunteer leadership and preparing calendar and schedule. He emphasized the size of the campaign now being considered and the dates for private and public solicitation.

Mr. Ellis commented the usual nature of campaigns such as we are proposing is that 80-90% of the campaign total comes from 10-15% of the donors. He indicated that the Trustees will be asked to assist and noted the importance of the leadership campaign in the overall effort. Mr. Ellis concluded his report by commenting about campaigns underway at other colleges and universities. A complete text of Mr. Ellis' remarks are included with the official minutes.

B. Dysart Woods Status Update Alan H. Geiger Assistant to the President and Secretary to the Board of Trustees

Dr. Geiger reported that the well-being of the Woods had been threatened by recent applications to longwall and pillar and roof mine in adjacent areas. Department of Natural Resources Director Sommers had interceded and a buffer area was identified to protect the water shed serving the Woods. No mining was to occur in the buffer area. Dr. Geiger indicated that Cleveland Electric Illuminating, Inc., had just acquired the coal resources that were to be mined. It is now anticipated the original

mining application will be withdrawn. The university is attempting to determine the extent and ownership patterns of all coal reserves on the Dysart Farm so that a long-range strategy can be developed to protect the Woods.

VI. UNFINISHED BUSINESS

The secretary reported no unfinished business.

VII. NEW BUSINESS

Chairman Russ reported that Board Committees had, at their respective meetings, discussed matters being presented to the Board. Committee Chairman or their designees presented matters for action.

A. BUDGET, FINANCE AND PHYSICAL PLANT COMMITTEE

Committee Chairman Dr. Strafford stated the Committee had considered matters to be presented to the Board. He noted the presentation of the proposed 1988-89 Budget by President Ping at the Committee of the Whole meeting and that this and other matters were in order to be presented to the Board.

Mr. Heffernan presented and moved approval of the resolution. Dr. Strafford seconded the motion. Approval was unanimous.

1. 1988-89 Operating Budget

RESOLUTION 1988-- 981

WHEREAS, the Board of Trustees received the Program Planning Report and approved the outline of the 1988-89 budget plan at their April 9, 1988 Meeting,

NOW, THEREFORE, BE IT RESOLVED that the 1988-89 budgets of expected income and expenditures as presented in Exhibits I, II, III, IV, V and VI are hereby appropriated subject to the following provisions:

1. The Provost, with the approval of the President, may make adjustments in instructional and general operating expense allocations, providing the total does not exceed available unrestricted income.
2. Expenditures for designated and restricted funds estimated on Exhibit I shall be limited to the income generated.

OHIO UNIVERSITY
1988-89 BUDGET
INCOME AND EXPENSE SUMMARY
TOTAL UNIVERSITY

	<u>Unrestricted</u>	<u>Designated and Restricted (A)</u>	<u>Total</u>
Income			
Instructional and General	\$143,224,000	\$ 15,129,000	\$158,353,000
Organized Research	0	4,820,000	4,820,000
Public Service	635,000	5,574,000	6,209,000
Auxiliary Enterprises	0	2,184,000	2,184,000 (B)
Student Aid	0	9,322,000	9,322,000
	<hr/>	<hr/>	<hr/>
Total Income	143,859,000	37,029,000	180,888,000
Expense			
Instructional and General	143,224,000	15,129,000	158,353,000
Organized Research	0	4,820,000	4,820,000
Public Service	635,000	5,574,000	6,209,000
Auxiliary Enterprises	0	2,184,000	2,184,000 (B)
Student Aid	0	9,322,000	9,322,000
	<hr/>	<hr/>	<hr/>
Total Expense	143,859,000	37,029,000	180,888,000
	<hr/>	<hr/>	<hr/>
Ending Balance	\$ 0	\$ 0	\$ 0
	<hr/>	<hr/>	<hr/>

NOTES:

(A) Included are funds received for specific purposes (Restricted) and funds generated by departments for goods and services which have been designated by the administration to offset expenditures applicable to those goods and services.

(B) Excludes Residence and Dining Halls.

OHIO UNIVERSITY
1988-89 BUDGET
INCOME SUMMARY
GENERAL UNIVERSITY PROGRAMS
AND COLLEGE OF MEDICINE

	<u>Unrestricted</u>	Designated and <u>Restricted (A)</u>	<u>Total</u>
Instructional and General			
State Subsidy	\$ 64,254,000	\$ 0	\$ 64,254,000
Student Fees	51,583,000	1,234,000	52,817,000
Other Income	8,562,000	13,336,000	21,898,000
Endowments	0	121,000	121,000
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Total Instructional and General	124,399,000	14,691,000	139,090,000
Organized Research			
Private Gifts and Grants	0	639,000	639,000
Governmental Gifts and Grants	0	4,100,000	4,100,000
Endowments	0	81,000	81,000
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Total Organized Research	0	4,820,000	4,820,000
Public Service			
Private Gifts and Grants	0	350,000	350,000
Governmental Gifts and Grants	0	4,368,000	4,368,000
Other Sources	635,000	720,000	1,355,000
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Total Public Service	635,000	5,438,000	6,073,000
Auxiliary Enterprises	0	2,184,000	2,184,000 (B)
Student Aid			
Private Gifts and Grants	0	234,000	234,000
Endowments	0	172,000	172,000
Governmental Grants	0	5,748,000	5,748,000
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Total Student Aid	0	6,154,000	6,154,000
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Total Income	\$125,034,000	\$33,287,000	\$158,321,000
	=====	=====	=====

NOTES:

(A) Included are funds received for specific purposes (Restricted) and funds generated by departments for goods and services which have been designated by the administration to offset expenditures applicable to those goods and services.

(B) Excludes Residence and Dining Halls.

OHIO UNIVERSITY
1988-89 BUDGET
INCOME SUMMARY
REGIONAL HIGHER EDUCATION

	<u>Unrestricted</u>	<u>Restricted</u>	<u>Total</u>
Instructional and General			
State Subsidy	\$ 9,950,000	\$ 0	\$ 9,950,000
Student Fees	8,809,000	0	8,809,000
Other Income	66,000	438,000	504,000
	-----	-----	-----
Total Instructional and General	18,825,000	438,000	19,263,000
Public Service			
Private Gifts and Grants	0	0	0
Governmental Gifts and Grants	0	136,000	136,000
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Total Public Service	0	136,000	136,000
Student Aid			
Governmental Grants	0	3,168,000	3,168,000
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Total Student Aid	0	3,168,000	3,168,000
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Total Income	<u>\$18,825,000</u>	<u>\$3,742,000</u>	<u>\$22,567,000</u>

Exhibit IV

OHIO UNIVERSITY
1988-89 BUDGET
UNRESTRICTED INCOME
GENERAL UNIVERSITY PROGRAMS
AND COLLEGE OF MEDICINE

State Appropriations	
Subsidy	\$ 53,314,000

Total Appropriations	53,314,000
Student Fees	47,514,000
Lifelong Learning	2,300,000
Other Income	7,534,000

Total Income	110,662,000
College of Medicine	
State Appropriation	10,940,000
Student Fees	2,404,000
Other Income	1,028,000

Total College of Medicine	14,372,000

Total Income	\$125,034,000
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Exhibit V

OHIO UNIVERSITY
1988-89 BUDGET
UNRESTRICTED INCOME
REGIONAL HIGHER EDUCATION

State Appropriations	
Subsidy	\$ 9,950,000
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Total Appropriations	9,950,000
Student Fees	8,809,000
Other Income	66,000
	<hr/>
Total Income	<u>\$18,825,000</u>

OHIO UNIVERSITY
1988-89 BUDGET
UNRESTRICTED EXPENDITURES
ALL PROGRAMS

I.	President	
A.	Office of the President	\$ 514,000
	Board of Trustees	
	Legislative Liaison	
B.	Affirmative Action	193,000
C.	University Facilities Planning	228,000
D.	Institutional Contingency Fund	398,000
	President Total	<hr/> 1,333,000
II.	Provost	
A.	General	2,148,000
	Office of the Provost	
	Summer Session Office	
	Faculty Senate	
	Ohio University Press	
	Legal Affairs	
	Ombudsman	
	Institutional Research	
B.	Academic Programs	
1.	Arts and Sciences	25,537,000
2.	Business Administration	4,414,000
3.	Communication	4,719,000
4.	Education	4,055,000
5.	Engineering	5,578,000
6.	Fine Arts	6,867,000
7.	Graduate College & Research	1,907,000
8.	Health and Human Services	4,961,000
9.	Honors Tutorial	242,000
10.	International Studies	1,004,000
11.	College of Medicine	14,372,000
12.	University College	867,000
	Sub-Total	<hr/> 74,523,000
C.	Support And Services	
1.	Library	4,868,000
2.	Computing and Learning Services	3,448,000
	Sub-Total	<hr/> 8,316,000

II. Provost, Continued

D. Regional Higher Education

1. Office of the Vice Provost	\$ 391,000
2. Belmont Campus	2,635,000
3. Chillicothe Campus	3,318,000
4. Ironton Campus	2,155,000
5. Lancaster Campus	4,555,000
6. Zanesville Campus	3,482,000
7. Portsmouth Resident Credit Center	397,000
8. Development Incentive	520,000
9. Campus Service	1,372,000
10. Telecommunications	1,028,000
11. Lifelong Learning	2,991,000
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Sub-Total 22,844,000

E. Intercollegiate Athletics 3,278,000

F. Funds To Be Allocated

1. Part-Time Teaching 320,000

Provost Total 111,429,000

III. Dean of Students

A. General

1. Office of the Dean of Students	256,000
2. Career Planning and Placement	343,000
3. Counseling and Psychological Services	394,000
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Sub-Total 993,000

B. Student Organizations and Activities 1,088,000

Student Activities

Student Senate

The Post

Baker Center

Cultural Affairs

Student Activities Commission

Dean of Students Total 2,081,000

IV. Vice President for Administration

A. General 354,000

Office of the Vice President
for Administration

Administrative Senate

Professional Development

IV. Vice President for Administration, Continued

B. Baker Center Food and Beverage
(Residence and Dining Halls Auxiliary
Reported Separately) \$ 132,000

C. Student Services

1. Admissions 917,000
2. Registration, Records and
Scheduling 1,020,000
3. Financial Aid 2,444,000
4. Medical Services 1,147,000

Sub-Total 5,528,000

D. Physical Plant

1. Physical Plant Operations 7,721,000
Administration
Building Maintenance
Custodial Maintenance
Utilities Maintenance
Grounds Maintenance
2. Capital Improvements 99,000
3. Rental Properties 41,000
4. Purchased Utilities 5,501,000

Sub-Total 13,362,000

E. Support and Services

1. Personnel 462,000
President 1699
2. Security 777,000
3. Other Services 989,000
Airport
Garage
Mail Service
Environmental Health and Safety

Sub-Total 2,228,000

Vice President for Administration
Total

21,604,000

V. Treasurer and Controller

A. General

1. Office of the Treasurer
and Controller 1,669,000
2. Materials Management and
Purchasing 340,000
3. Stores Receiving 322,000

Sub-Total 2,331,000

V. Treasurer and Controller, Continued

B. Fiscal Management

1. Services	\$ 596,000
Legal Counsel	
Legal Settlements	
Auditors	
Insurance	
University Memberships	
2. Faculty and Staff Benefits	1,238,000
3. Retirement Benefits	115,000
4. Unemployment Compensation	50,000
5. Debt Service (Convocation Center)	418,000
6. Compensated Absences and Payroll Accrual	314,000
7. Medicare	62,000

Sub-Total	2,793,000
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Treasurer and Controller Total	5,124,000
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VI. Vice President for University Relations

A. Office of the Vice President for University Relations	349,000
B. Alumni Affairs	249,000
C. Publications	455,000
Cutler Service Bureau	
D. University News Services	294,000

Vice President for University Relations Total	1,347,000
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VII. Vice President for Development

A. Office of the Vice President for Development	941,000
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Vice President for Development Total	941,000
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Total University Expenditures	\$143,859,000
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Dr. Strafford presented and moved approval of the resolution. Ms. Grasselli seconded the motion. Approval was unanimous.

2. Ironton Campus, Phase II Plans and Specifications

RESOLUTION 1988--982

WHEREAS, the 116th General Assembly, Regular Session, 1985-1986 has introduced and approved Amended House Bill 870, and

WHEREAS, the 117th General Assembly, Regular Session, 1987-1988 has introduced and approved Amended House Bill 810, and

WHEREAS, the two Amended House Bills include a total of \$2,236,800.00 for the Ironton Branch Campus classroom facility, and

WHEREAS, the Ohio University Board of Trustees did at their regular meeting on October 17, 1987 authorize the President or his designee, in consultation with the Budget, Finance, and Physical Plant Committee to recommend to the Division of Public Works the selection of an architectural consultant to assist the University with the development of construction documents for the addition of classroom space at the campus, and

WHEREAS, Ohio University did select and recommend the firm of Moody/Nolan, Ltd. as the associate architectural firm for the project, and

WHEREAS, final plans and specifications have been prepared and are ready for advertisement to receive bids.

NOW, THEREFORE, BE IT RESOLVED that the Ohio University Board of Trustees does hereby approve plans and specifications for the Ironton Classroom Facility Project.

BE IT FURTHER RESOLVED that the Ohio University Board of Trustees does hereby authorize the advertisement for and receipt of construction bids for the Ironton Classroom Facility Project, and does hereby empower the President or his designee, in consultation with the Budget, Finance, and Physical Plant Committee to accept and recommend to the Deputy Director, Ohio Division of Public Works construction bids received for the project provided total bids do not exceed available funds.

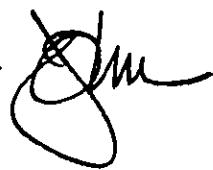
OHIO UNIVERSITY

Interoffice Communication

June 6, 1988

To: Dr. Alan H. Geiger, Assistant to President

From: John K. Kotowski, Director, Facilities Planning



SUBJECT: IRONTON CLASSROOM FACILITY
APPROVAL OF PLANS AND SPECIFICATIONS AND
RECOMMENDATION OF CONTRACT AWARD

Amended House Bill 870 provides a capital appropriation totaling \$2,000,000.00 for the Ironton Branch Campus to plan and construct a classroom facility. The University transferred \$563,200.00 from this project, leaving \$1,436,800.00 available in Amended House Bill 870 for the facility. Amended House Bill 810 provides a second capital appropriation for the classroom facility. This appropriation totals \$800,000.00, bringing the total available for the facility to \$2,236,800.00. This project will add classrooms, laboratories, office space and other required support areas to the Campus. The initial plan was to add the new space to Collins Center. However, because of an existing City water main and property restrictions adjacent to Collins Center, the planning philosophy was altered and a new facility will be constructed.

The development of final plans and specifications have been completed. I would like to advertise the work associated with the Ironton Classroom Facility so that bids may be received. Toward that end, I have enclosed a resolution for consideration by the Board of Trustees at their June 25, 1988 meeting which seeks approval of plans and specifications and permits the recommendation of contract award so long as total bids received do not exceed total funds available for the work. I will provide the plans and specifications for the review of the Board and other interested parties later this month.

If I can be of further assistance or provide any additional information, please let me know. Thank you for consideration of this matter.

JKK/sw/86IRON02.AHG

enc:

Mr. Heffernan presented and moved approval of the resolution. Ms. Grasselli seconded the motion. Approval was unanimous.

3. McGuffey Hall Plans and Specifications and Contract Award

RESOLUTION 1988--983

WHEREAS, the 116th General Assembly, Regular Session, 1985-1986 has introduced and approved Amended House Bill 870, and

WHEREAS, the Amended House Bill 870 includes \$1,300,000.00 for the McGuffey Hall Renovation Project, and

WHEREAS, the Ohio University Board of Trustees did at their regular meeting on October 11, 1986 authorize the President or his designee, in consultation with the Budget, Finance, and Physical Plant Committee to recommend to the Division of Public Works the selection of an architectural consultant for the McGuffey Hall Renovation Project, and

WHEREAS, Ohio University did select the firm of Dan A. Carmichael, Architect as the associate for the project, and

WHEREAS, final plans and specifications have been prepared and are ready for advertisement to receive bids,

NOW, THEREFORE, BE IT RESOLVED that the Ohio University Board of Trustees does hereby approve plans and specifications for the McGuffey Hall Renovation Project.

BE IT FURTHER RESOLVED that the Ohio University Board of Trustees does hereby authorize the advertisement for and receipt of construction bids for the McGuffey Hall Renovation Project, and does hereby empower the President or his designee, in consultation with the Budget, Finance, and Physical Plant Committee to accept and recommend to the Deputy Director, Ohio Division of Public Works construction bids received for the Project provided total bids do not exceed available funds.

OHIO UNIVERSITY

Interoffice Communication

June 6, 1988

To: Dr. Alan H. Geiger, Assistant to President
From: John K. Kotowski, Director, Facilities Planning



SUBJECT: MCGUFFEY HALL RENOVATION PROJECT
APPROVAL OF PLANS AND SPECIFICATIONS AND
RECOMMENDATION OF CONTRACT AWARD

Amended House Bill 870 provides a capital appropriation totaling \$1,300,000.00 for the renovation of McGuffey Hall. This renovation project will include restoration of the building's exterior and the complete restoration/renovation of its interior for use as an administrative office facility. Once complete, the building will be of such quality to permit the buildings nomination as a historic landmark.

The development of final plans and specifications have been completed. I would like to advertise the work associated with McGuffey Hall so that bids may be received. Toward that end, I have enclosed a resolution for consideration by the Board of Trustees at their June 25, 1988 meeting which seeks approval of plans and specifications and permits the recommendation of contract award so long as total bids received do not exceed total funds available for the work. I will provide the plans and specifications for the review of the Board and other interested parties later this month.

If I can be of further assistance or provide any additional information, please let me know. Thank you for consideration of this matter.

JKK/sw/86MGUF02.AHG

enc:

Dr. Strafford presented and moved approval of the resolution. Mr. Russ seconded the motion. Approval was unanimous.

**4. ASBESTOS ABATEMENT
CLIPPINGER LABORATORY AND RADIO/TELEVISION BUILDING**

RESOLUTION 1988--984

WHEREAS, the 116th General Assembly, Regular Session, 1985-1986 has introduced and approved Amended House Bill 870, and

WHEREAS, the Amended House Bill 870 includes \$796,517.00 appropriated to the Ohio Board of Regents for asbestos abatement at Ohio University, and

WHEREAS, Ohio University has provided a slightly more than ten percent (10%) local match to bring the total available for asbestos abatement to \$885,000.00, and

WHEREAS, the Ohio University Board of Trustees did at their regular meeting on April 9, 1988 authorize the President or his designee, in consultation with the Budget, Finance, and Physical Plant Committee to recommend to the Division of Public Works the selection of an engineering consultant for the removal of asbestos in Clippinger Laboratory and the Radio/Television Building, and

WHEREAS, Ohio University did select and recommend the firm of Stilson and Associates, Inc. as the associate engineering firm for the project, and

WHEREAS, final plans and specifications have been prepared and are ready for advertisement to receive bids,

NOW, THEREFORE, BE IT RESOLVED that the Ohio University Board of Trustees does hereby approve plans and specifications for this asbestos abatement project.

BE IT FURTHER RESOLVED that the Ohio University Board of Trustees does hereby authorize the advertisement for and receipt of construction bids for the asbestos abatement work in Clippinger Laboratory and Radio/Television Building, and does hereby empower the President or his designee, in consultation with the Budget, Finance, and Physical Plant Committee to accept and recommend to the Deputy Director, Ohio Division of Public Works construction bids received for the project provided total bids do not exceed available funds.

OHIO UNIVERSITY

Interoffice Communication

June 6, 1988

To: Dr. Alan H. Geiger, Assistant to President

From: John K. Kotowski, Director, Facilities Planning



SUBJECT: ASBESTOS ABATEMENT
CLIPPINGER LABORATORY AND RADIO/TELEVISION BUILDING
APPROVAL OF PLANS AND SPECIFICATIONS AND
RECOMMENDATION OF CONTRACT AWARD

Amended House Bill 870 provides an appropriation of \$796,517.00 to the Ohio Board of Regents for asbestos removal on the Ohio University, Athens Campus. The University is providing a slightly more than ten percent (10%) local match bringing the total available for the project to \$885,000.00. The \$88,517.00 required to match the State appropriation has been identified and set aside in a plant funds account.

The funding identified will be used to remove asbestos in the Clippinger Laboratory fifth floor mechanical room and the Radio/Television Building seventh floor mechanical and storage area. The work in Clippinger Laboratory will completely eliminate known asbestos in that facility. Once removed, all areas will be re-insulated with the appropriate non asbestos containing insulation so that the necessary fire ratings can be maintained.

The development of final plans and specifications have been completed for this asbestos abatement project. I would like to advertise this work so that bids may be received. Toward that end, I have enclosed a resolution for consideration by the Board of Trustees at their June 25, 1988 meeting which seeks approval of plans and specifications and permits the recommendation of contract award so long as total bids received do not exceed total funds available for the work. I will provide the plans and specifications for the review of the Board and other interested parties later this month.

If I can be of further assistance or provide any additional information, please let me know. Thank you for consideration of this matter.

JKK/sw/86ASBT02.AHG

enc:

Mr. Heffernan presented and moved approval of the resolution. Dr. Strafford seconded the motion. Approval was unanimous.

5. Motor Vehicle, Traffic and Parking Regulations
Revisions, Athens and Regional Campuses

RESOLUTION 1988-- 985

WHEREAS, the Board of Trustees of the Ohio Univesity has the authority and obligation to control and regulate the use of motor vehicles on the land and property of the Ohio University on its Athens and regional campuses, and

WHEREAS, related motor vehicle, traffic, and parking policies of the Ohio University are enacted to facilitate the work of faculty, staff, and students, as well as other persons on the lands and property of the Ohio University, and

WHEREAS, the specific rules and regulations relating to these matters should be periodically revised and updated by administration in consultation with the University Parking Committee.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Trustees hereby delegates to the President or his designee the authority to establish rules and regulations regarding motor vehicle parking and traffic on the lands and property of Ohio University. Said rules and regulations, which shall supersede those enacted previously by the Board of Trustees on October 16, 1976, shall also delineate prohibitions of parking and traffic, establish a fine and penalty schedule for violation of such prohibitions and establish an appeal process for citations issued for violations of parking and traffic regulations enacted regarding parking and traffic enforcement.

BE IT FURTHER RESOLVED that enforcement of motor vehicle parking and traffic statutes, rules and regulations pursuant to the direction and authority contained in Chapter 3345 of the Ohio Revised Code shall rest solely with the Ohio University Security Department through the Director of Security and those others the Director may employ or direct to enforce said rules and regulations.

Ohio University

Date: June 9, 1988

Interoffice Communication

To: President Charles J. Ping and Members, Ohio University Board of Trustees

From: Dr. Carol Harter, Vice President for Administration



Subject: The Ohio University Motor Vehicle, Traffic, and Parking Regulations

Early in 1988, I appointed a working task force (whose members include appropriate staff and the faculty chair of the University Parking Committee) to review all policies, procedures, and issues related to parking on the Ohio University campus.

Although the task force continues to meet and has not yet reached closure on many complex issues, they have recommended several items which require administrative approval and Board of Trustees action. I agree with their proposals and therefore recommend that:

1. The Board of Trustees delegate to the President, or his designee(s), the authority to promulgate all rules, regulations, fine schedules, and other specific matters related to the motor vehicle, traffic, and parking policies of Ohio University and its regional campuses;
2. In so designating this authority, the Board authorizes that the subsequently revised and updated rules and regulations promulgated will supersede and render null and void those specific regulations last adopted by the Board on October 16, 1976; and,
3. The Board delegate authority for the enforcement of these rules to the Director of the Ohio University Security Department and those he may direct or employ to carry out that enforcement.

It is furthermore recommended that the enabling authority approved by the Board of Trustees be filed with the Secretary of State of Ohio in accordance with Section 111.15 of the Ohio Revised Code to make any established regulations binding and in force according to law.

It is the intent of the attached resolution to authorize appropriate University staff to make necessary changes to rules and regulations--now and in the future--for the orderly control of motor vehicle use, traffic, and parking on the various campuses of Ohio University. The resolution will allow the needed flexibility to change fine schedules, parking lot designations, registration procedures, traffic flow patterns, etc. without requiring specific Board action on daily procedural and operational matters.

Issues related to parking are ever-changing as our campuses continue to develop. This resolution will enable us to deal with changes in an effective and timely manner.

Dr. Strafford presented, on behalf of Trustee Priscilla S. D'Angelo, and moved approval of the resolution. Ms. Grasselli seconded the motion. Approval was unanimous.

6. Naming of Conference Room, Radio-Television Communications Building

RESOLUTION 1988--986

WHEREAS, John R. Wilhelm was the first Dean of Ohio University's College of Communication, and

WHEREAS, his efforts brought public and professional recognition to the College and the University, and

WHEREAS, he faithfully and effectively served the College and the University as Dean for fourteen years.

NOW, THEREFORE, BE IT RESOLVED that the Ohio University Board of Trustees name, and appropriately designate, the Radio-Television Communications Building Dean's Conference Room the John R. Wilhelm Conference Room in recognition of his service to Ohio University.

Mr. Campbell presented and moved approval of the resolution. Ms. Grasselli seconded the motion. Approval was unanimous.

1. Students to Board of Trustees Nomination Procedure

RESOLUTION 1988--987

WHEREAS, the 117th General Assembly of the State of Ohio has adopted legislation providing for the expansion of the Ohio University Board of Trustee membership by two non-voting student appointees, and

WHEREAS, under the provisions of House Bill 34, Division B of the Ohio Revised Code Section 3337.01, "Student members of the Board shall be appointed by the Governor, with the advice and consent of the Senate, from a group of five candidates selected pursuant to a procedure adopted by the University's student governments and approved by the University's Board of Trustees," and

WHEREAS, the following procedure complies with the intent of the legislation and assures involvement of the various student senates of Ohio University,

THEREFORE, BE IT RESOLVED that the Ohio University Board of Trustees adopts the Student Trustee nomination process as follows:

A Nomination Committee will be convened by the President of the Student Senate or his/her designee comprised of the following members:

- a. The President of the Student Senate, or his/her designee
- b. A designee selected by the Student Senate membership
- c. The President of the Graduate Student Senate, or his/her designee
- d. A student representative from the regional campuses
- e. The President or his/her designee from the student governing body of the College of Osteopathic Medicine

Student Trustee nominees will be selected from the Ohio University student population, with all groups represented in the list of nominees.

The Committee will accept applications and nominations from the entire Ohio University student community.

All Student Trustee nominees must be full-time students in good standing, with the exception of the regional campus representative who may be a part-time student.

The Committee will establish its own bylaws which shall include the nomination process and an anti-discrimination clause.

The nominations of the Committee will be sent to the Office of the President of the University for referral to the Governor's Office.

Note of information: Student members of the Board of Trustees of the Ohio University have no voting power on the Board. Student members shall not be considered as members of the Board in determining whether a quorum is present. Student members shall not be entitled to attend executive sessions of the Board. Terms of office for student members shall be for two years, each term ending on the same day of the same month of the year as the term it succeeds. In the event that a student member cannot fulfill his two year term, a replacement shall be selected to fill the unexpired term in the same manner used to make the original selection.

Mr. Schey presented and moved approval of the resolution. He commented on the long-term financial benefits of the technology. Mr. Campbell seconded the motion. Approval was unanimous.

2. Center for Stirling Technology Research

RESOLUTION 1988--988

WHEREAS, Ohio University is dedicated to the advancement of the art of Stirling design, and to the education of persons in the skills associated with the design of Stirling machines, and

WHEREAS, Ohio University is the only United States university known to have a graduate level course specifically designed to address the analysis and design of Stirling systems in depth, and


WHEREAS, the Stirling engine is being actively developed by government labs and private groups.

THEREFORE, BE IT RESOLVED that the Board of Trustees establishes the Ohio University Center for Stirling Technology Research.

Ohio University

Office of the Provost
Cutler Hall
Ohio University
Athens, Ohio 45701-2979

June 13, 1988

To: Charles J. Ping, President
From: James L. Bruning, Provost 
Subject: Proposed Centers

Attached are proposals for two centers; the Center for Stirling Technology Research and the Center for Automatic Identification.

Both will help provide a focus for research and external funding. Since only existing faculty and resources are involved, establishment will not result in any increased costs.

jc
Attachments

A PROPOSAL
FOR A
CENTER FOR STIRLING TECHNOLOGY RESEARCH
AT OHIO UNIVERSITY

SUMMARY

This is a proposal to establish at Ohio University a Center for Stirling Technology Research which will be dedicated to the advancement of the art of Stirling design, and to the education of persons in the skills associated with the design of Stirling machines. Ohio University and the Athens, Ohio, community is uniquely qualified as the source of such an institution as a result of the presence of a major Stirling development corporation, Sunpower, Inc., with its large and growing concentration of leading experts, and the presence of other experienced people within the community and the university. The application of Stirling machines to commercial uses is just beginning, and the time is ripe for the establishment of an academic institution to generate and disseminate the information which will be in demand from the new industry.

This proposal outlines the existing and near-future situation, the need for trained people, the form a Stirling research center might take, the staff and financial needs, and the potential sources of funding and other support.

INTRODUCTION

The Stirling engine, especially in its free-piston form which was invented at Ohio University in the early '60s, is rapidly evolving from the development and prototype stage to become an important component of the energy technology of the United States and elsewhere. This machine is becoming increasingly recognized as a prime candidate for space applications, cogeneration, living space heating and cooling, gas liquifaction, cryocooling, autonomous appliance power, and many other uses making direct contributions to the convenience and energy efficiency of our society.

While the development of the Stirling engine has accelerated rapidly in the recent past as its merits become known to potential users, the store of basic understanding of its complex cycle and mechanical requirements has lagged. The Stirling engine community, and in particular its more demanding members such as NASA and DOD, have come to recognize the need for much more detailed and deep understanding of the basic foundations of Stirling technology. At the same time, the few organizations actually building and testing the machines are deeply committed to narrowly specific projects and designs and their associated stringent development timetables. Thus, there is an unfilled need for a source of fundamental information to maintain and support the design groups working in this accelerating field of engineering. Typically, the

work required is peculiar to the Stirling engine as one of the few examples of thermodynamic cycles, which is intrinsically unsteady-state by nature, and involves the simultaneous analyses of many complex flow and thermal processes and their interaction with novel loading devices and cycles. Such work is of the kind which has been traditionally done in universities with their store of highly trained faculty, laboratories, research students and computer facilities, rather than in industrial development labs, but at the present time there is no center of Stirling-related basic research in any U.S. university.

Ohio University in Athens is a natural choice for such a center for Stirling technology development. Around this university is a concentration of Stirling-related research, development, and production activities not matched anywhere else. Sunpower, Inc., a recognized leader in Stirling engine innovation, development, and application, is located in Athens, as is Stirling Technology, Inc., a producer of commercially successful Stirling engines. Several well known Stirling engine consultants are also there. There is no other center in the United States with such a concentration of talent, experience and resources available for Stirling technology research, education, training and development, and with the growth of a Stirling-related industry, this local pool of talents and resources is growing.

Ohio University is the only United States university known to have a graduate level course specifically designed to address the analysis and design of Stirling systems in depth. This course was conceived and implemented by a former employee of Sunpower, who is now a faculty member of the College of Engineering and Technology.

In order to take advantage of this juxtaposition of resources, and to fill the growing need for fundamental scientific and engineering support for the emerging technology of Stirling machines, it is proposed that a new group dedicated to this task be formed within Ohio University. This group would serve as the focus of the talent needed to generate the fundamental knowledge to support this rapidly advancing technology, and to train the engineers who will be in demand as the Stirling engine moves from the development labs to commercial application.

It is suggested that Ohio University establish a Center for Stirling Technology Research, comprised initially of one or two senior researcher/administrators and their supporting graduate students and administrative assistants, and that this group interact appropriately with the industrial and governmental sponsors to find problems upon which to concentrate, and the funding needed to carry out the work. A further and very important task of this group would be education; the generation of appropriate courses and training of students at advanced degree levels, and the organization and presentation of workshops, seminars, and publications.

A successful implementation of this suggestion would result in a unique and much needed source of basic design information, and also trained engineers who would have had the rare opportunity to interact with the machines themselves, their analysis and diagnosis throughout their educational experience. This result would fulfill the present growing need for such information and training in a rapidly growing and important field of technology.

SOURCES OF FUNDING

The Stirling engine has become the leading contender for the role of dynamic power source in space power plants designated for future satellites, for ground-based solar applications, for quiet portable power sources in uses where diesels are unsuited because of their noise and pollution, and as auxiliary power sources for large motor vehicles, yachts, fishing boats, military vehicles, many cooling applications, and many other similar uses. A new industry is in the process of forming to put these machines on the market, and this industry will need trained engineers and basic scientific support which could be provided by a Center for Stirling Technology Research of the kind proposed here.

The users of Stirling technology are the natural sources of funding for a Stirling center. Such a center should expect to make proposals for support to all of them in their respective areas of interest.

Typical proposals would be as follows:

To government organizations (NASA, DOE, DOD) -- Basic work on systems, materials, components, analysis, other work intended to extend the base of design information, and the understanding of the fundamentals of the technology.

To industrial organizations (those engaged in manufacturing Stirling products) -- Work of an immediately applicable nature, bearings and seals development, materials testing, component testing, and innovation.

It is expected that the budget for the government work on Stirling engines in the immediate future will be approximately \$30 million/year, perhaps half of which will be R&D as opposed to fabrication and test of specific prototypes, and in the industry the budget will be much higher, but most of it will be allocated to manufacturing activities and not R&D. The probable R&D budget for Stirling machines from all sources is estimated at roughly \$15 million/year for the next five years. (This has been the level of funding of the automotive Stirling application until recently). Depending on the success of development programs in space, heat pumps, solar, and cogeneration applications now under way, the budget may be much higher than that. For example, if a viable gas-fired heat pump is demonstrated within the year as planned, the heat pump industry will be energized to pursue this technology, since its competitive advantage over existing heat pumps is large and threatening to present manufacturers of electrically driven heat pumps.

PRESENT AND NEAR-TERM STIRLING ACTIVITIES AND ORGANIZATIONS

The Stirling engine is being actively developed by government labs and private groups, some of which are listed below along with their activities. This list is growing rapidly.

NASA -- Space nuclear and space-based and ground-based solar power from several hundred watts to 100kW electric power output. Intended purpose is for a wide spectrum of military and other uses. Competing

space power generating systems are heavier, less efficient and/or more vulnerable to natural and hostile threats. NASA is the center of U.S. government development work on Stirling engines per se, as opposed to applications of Stirling engines, which are the concern of all of the relevant labs.

DOE -- Heat pumps, cogeneration, other energy-conserving applications of Stirling engines. DOE has a large contract with Sunpower to develop cost-effective gas-fired heat pumps and their auxiliaries, such as magnetic seals for the hermetic transfer of power from the engine to the refrigerant compressor.

Gas Research Institute -- Heat pumps, cogeneration, autonomous home appliances (capable of operating on natural gas without need for electrical energy input), other applications making gas utilization more competitive with other alternatives. GRI is at present negotiating with A.D. Little-Sunpower to develop autonomous gas appliances, heating systems, stoves, etc.

Cummins Engine Co. -- Stationary and portable electric power generators, ground-based solar power for remote areas and for central power stations, vehicle auxiliary power, military, quiet, low infrared generators. Market estimate approximately \$300 million/year in five years.

Black & Decker -- Lightweight, bottled gas-driven battery replacements, portable power tools, home appliances, light-duty portable generators for sport and recreational use. Market projected as \$80 million/year in five years.

Major U.S. manufacturer of air-conditioning systems -- Gas-fired home and industrial food freezers, heat-driven remote area food freezers and medical cold cabinets.

Foma Scientific -- Biological coolers, nitrogen reliquifiers, coolers for supercomputers, and future superconducting devices.

The organizations listed above represent the present active participants in Stirling engine R&D and commercialization, but this list is growing as the success of each influences the decisions of the next participant. It is reasonable to expect that the near future will see the addition of commercialization efforts in other areas of U.S. technology, the most likely being a natural gas-driven air conditioner for the southern United States.

There is a high likelihood of overseas participation. Both the Japanese and the Germans are very interested, but at this time they lag far behind the United States in level of effort and depth of understanding of the Stirling art. The Russians are also beginning to show interest, particularly in ground-based solar power, but they are even farther behind in the development of practical machines. It is possible that these and other overseas groups may be interested in licensing existing U.S. Stirling patents and supporting research efforts by exchange programs.

STRUCTURE AND STAFF OF CENTER FOR STIRLING TECHNOLOGY RESEARCH

The Center for Stirling Technology Research would initially draw its staff from the senior engineers of Sunpower, of whom there are at least three well qualified Ph.D. level engineers willing to assist in teaching and directing research, from local Stirling consultants, and from the staff of Ohio University. The minimal start-up staff would be a director, an assistant to the director, and one or two part-time faculty with appropriate assistants, to structure and teach the curriculum and plan and implement the laboratory. The facilities could include a portion of the Sunpower lab, and office and lab space within the university. A significant part of the course requirements would be drawn from existing courses already available within the College of Engineering and Technology (see appendix A, curriculum).

The center director would report to the Dean of the College of Engineering and Technology. The task of the director will be to set the goals of the center, acquire and assign duties to the staff, cooperate appropriately with the engineering department administration to fill out the curriculum, and seek out and manage the funding required.

The director would, in the interest of efficiency of interaction with the larger community of the College of Engineering and Technology, consult a board of advisors, which would be comprised of senior faculty of the participating departments, and representatives of sponsoring organizations when appropriate. The role of this board would be to assist the center in carrying out the educational and research mission.

The needed minimal budget for the first year of operation would be (in direct costs for salary and equipment) approximately:

Director (part-time)	\$ 22,000
Assistant to Director (full time)	\$ 27,000
Faculty (part-time)	\$ 40,000
Technician (full time)	\$ 20,000
Graduate Assistants	\$ 15,000
Lab and Materials	<u>\$ 40,000</u>
Total	\$ 164,000

It would be expected that the faculty and students would almost immediately begin the process of research which would justify funding from outside organizations, but it is very likely that the university would find it necessary to be responsible for some seed money during the first year at least.

LABORATORY REQUIREMENTS

A well equipped laboratory is essential for the proper education of students and for research work. It would have to include some engines for student familiarization as well as the equipment and space typical of a thermal machine research facility. An essential requirement of this laboratory would be a capable technician and at least one faculty member with a strong commitment to experimental work who would serve as the laboratory manager. The facilities of Sunpower, Inc., would also be available for use by some students for thesis projects and for part-time employment.

Typical equipment for the laboratory would be:

Engines - ST-5 hot air engine equipped as a student training engine. Several up-to-date free-piston engines from Sunpower, ranging from a few hundred watts to several kilowatts in output power.

Experimental rigs - Oscillating flow and heat transfer rig to explore performance of heat exchanger elements in conditions typical of Stirling engines. Apparatus for the exploration of losses in gas springs and other auxiliaries. Linear alternator test rig. Bearings and seals test rig.

General lab apparatus - Oscilloscopes, other measuring equipment, expendable materials (thermocouples, tubing, etc). Access to a small lathe and mill, drill press, and hand tools.

The cost of such equipment is roughly estimated at about \$150,000, which would not all be needed within the first full year of activity. At least initially, a portion of this could be supplemented by equipment, apparatus and space at Sunpower.

Laboratory floor area would be minimally 2,500 sq. ft., with expansion capability to 3,600 sq. ft.

TIME SCHEDULE FOR INITIATION OF CENTER ACTIVITY

Approval of concept and commitment of minimal funding by university:	Summer, 1988
Initial organizational and funding efforts by Director and Dean of College:	Summer, 1988
Establishment of curriculum and assignment of faculty and staff:	Fall, 1988
Set-up of lab. and initiation of research and recruitment of students:	Fall, 1988
Formal initiation of center work, admission of first candidates for MS degree:	Winter, 1988

Ms. Grasselli presented and moved approval of the resolution. Dr. Strafford seconded the motion. Approval was unanimous.

3. Center for Automatic Identification

RESOLUTION 1988--989

WHEREAS, Ohio University has identified expertise in the area of automatic identification education, and

WHEREAS, such expertise exists within the Department of Industrial Technology in the College of Engineering, and

WHEREAS, no center currently exists for the study of automatic identification at any institution of higher education and Ohio University's Department of Industrial Technology has gained national prominence in the subject matter,

THEREFORE, BE IT RESOLVED that the Board of Trustees establishes the Ohio University Center for Automatic Identification.

A Proposal for the Establishment of the
CENTER FOR AUTOMATIC IDENTIFICATION

in the
Department of Industrial Technology
College of Engineering and Technology
Ohio University

BACKGROUND

Automatic identification is the process of automatically and positively identifying objects and entering data into a computer database. Auto ID technologies include bar coding, optical character recognition, machine vision, radio frequency, and voice data entry.

Alternatively referred to as keyless data entry, automatic identification is becoming the most important tool for productivity improvement in fields such as manufacturing, retail sales, and health care. Auto ID offers fast, accurate, and reliable data entry and identification of parts, products, paperwork, and people.

The concept of auto ID has been around for several decades, however only in the last few years has the subject matter become prominent. For 1987 gross sales of just over 1 billion dollars by the relatively few companies engaged in the business. Gross sales of nearly 1.5 billion dollars are projected for 1988. Scan-Tech, the major industry show for each auto ID each year, has grown each year since the first one held in 1982. That year 12 companies exhibited in Dallas. Scan-Tech 88, to be held in Chicago will have 140 companies involved.

Automatic identification will continue to grow and expand. Requirements that all items procured by the Department of Defense carry a bar coded identification number, the retail use of the UPC bar code, and the automotive industry's conversion to bar coding all point to continued growth and development in the subject.

PROBLEM

There currently exists no organized university location for the study and research of automatic identification.

GOAL

It is proposed that Ohio University establish a Center for Automatic Identification Education and Research in the Department of Industrial Technology in the College of Engineering and Technology. This would be the first and only center devoted exclusively to automatic identification.

OBJECTIVES

Establishment of a center for automatic identification education and research would allow for the following objectives:

1. formalize the AIM sponsored Automatic Identification Teacher's Institute.
2. serve the industry as a clearinghouse for their proposed certification process.
3. provide various educational activities.
4. develop the only comprehensive library on automatic identification subject matter.
5. provide technology transfer services to industries and business.
6. provide research opportunities for graduate students in engineering, physics, business administration.
7. gain national and international prominence.
8. develop and disseminate educational materials.
9. provide employment and research opportunities for ENT faculty members.

RATIONALE

The Department of Industrial Technology has already established itself as the national leader in automatic identification education. The following items strongly suggest that Ohio University is the most logical place to establish the proposed center.

1. OU is only one of two universities teaching classes in automatic identification. (Dr. Fales started the course at Purdue prior to coming to OU)
2. Dr. James F. Fales, Professor of Industrial Technology, is very closely involved with the Automatic Identification Manufacturers, Inc. (AIM), serving to advise them on educational matters.
3. Dr. Fales is recognized as the leading university expert on automatic identification.
4. OU hosted the first Automatic Identification Teachers Institute in July 1987, funded by AIM. The second institute will be held in July 1988.
4. OU has gained national recognition and prominence as the leading institution in automatic identification.
5. Currently, several faculty members have made national presentations and published journal articles on the subject.
6. A major portion of the companies producing and selling auto ID hardware, software, and services are located in or near Ohio.

LOGISTICS AND OPERATIONS

Initially only university approval and a small amount of seed money is needed to start the center. Dr. Fales would serve as center director. Several other faculty in the College of Engineering and Technology have expressed interest in future involvement. Furthermore it is expected that faculty from physics and management would be interested in participating as opportunities arise.

With regard to operational and on-going funding, it is assumed that contract activities with outside agencies would provide the necessary funding. At some future point in time, a part time associate director might be needed to coordinate and oversee the daily activities of the center. Again it is assumed that at that point in time the necessary funding would be included in any contract activities.

CONCLUSION

Automatic identification is rapidly becoming an important tool in the attempt to improve productivity in many industries and businesses. No center currently exists for the study of automatic identification at any institution of higher education. Ohio University's Department of Industrial Technology has gained a national prominence in the subject matter. Therefore, it seems logical that a Center for Automatic Identification Education and Research be established within the College of Engineering and Technology.

1. Election of Officers and President

a. Election of Chairman

Mr. Russ moved approval of the resolution. Ms. Grasselli seconded the motion. Approval was unanimous.

RESOLUTION 1988--990

RESOLVED that Richard R. Campbell be elected Chairman of the Board of Trustees for the year beginning July 1, 1988, and ending June 30, 1989.

b. Election of Vice Chairman

Mr. Campbell moved approval of the resolution. Ms. Grasselli seconded the motion. Approval was unanimous.

RESOLUTION 1988--991

RESOLVED that Dennis B. Heffernan be elected Vice Chairman of the Board of Trustees for the year beginning July 1, 1988, and ending June 30, 1989.

c. Election of Treasurer

Mr. Russ moved approval of the resolution. Mr. Campbell seconded the motion. Approval was unanimous.

RESOLUTION 1988--992

RESOLVED that William L. Kennard be elected Treasurer of Ohio University for the year beginning July 1, 1988, and ending June 30, 1989.

d. Election of Secretary

Mr. Campbell moved approval of the resolution. Dr. Strafford seconded the motion. Approval was unanimous.

RESOLUTION 1988--993

RESOLVED that Alan H. Geiger be elected Secretary of the Board of Trustees for the year beginning July 1, 1988, and ending June 30, 1989.

e. Election of President

Mr. Russ moved approval of the resolution. Mr. Campbell seconded the motion. Approval was unanimous.

RESOLUTION 1988--994

RESOLVED THAT Charles J. Ping be elected President of Ohio University for the year beginning July 1, 1988, and ending June 30, 1989.

2. Compensation for President and
Executive Officers

Mr. Campbell presented and moved approval of the resolution. Mr. Schey seconded the motion. Approval was unanimous.

RESOLUTION 1988--995

WHEREAS, in executive session in Committee of the Whole there was a review of the performance of executive officers and a presentation of salary recommendations by the President based on this review, and a discussion of compensation for the President.

THEREFORE, BE IT RESOLVED that the Board of Trustees authorizes the Board-Administration Committee to review with the President the salaries of executive officers and to determine the compensation for the executive officers and the President for 1988-89.

3. Meeting Dates for Succeeding Year

Designation of Stated Meeting Dates for Year Beginning
July 1, 1988 and Ending June 30, 1989

Mr. Russ presented and moved approval of the resolution. Mr. Campbell seconded the motion. Approval was unanimous.

RESOLUTION 1988--996

RESOLVED that the following dates, which are Saturdays, be designated the stated meeting dates for the year beginning July 1, 1988, and ending June 30, 1989, with committee meetings and study sessions incident to each meeting being scheduled the preceding Friday.

October 8, 1988, Athens Campus (Committees meet
on October 7)
February 18, 1989, Athens Campus (Committees meet
on February 17)
April 8, 1989, Athens Campus (Committees meet
on April 7)
June 24, 1989, Lancaster Campus (Committees meet
on June 23)

RESOLVED further that, if circumstances dictate, the Board-Administration Committee be authorized to change the date of a stated meeting.

Mr. Campbell presented and moved approval of the resolution.
Mr. Schey seconded the motion. Approval was unanimous.

4. Land Use Advisory Committee - Former Athens Mental Health Center
Land and Buildings

RESOLUTION 1988--997

WHEREAS, the 117th General Assembly did authorize transfer to Ohio University the title to a major portion of the Athens Mental Health Center land and buildings, and

WHEREAS, Amended House Bill 576 mandates the appointment by the Board of Trustees of an advisory committee to review, comment and make recommendations on the comprehensive land use plan to be developed by the University.

NOW, THEREFORE, BE IT RESOLVED that the Board of Trustees does hereby establish the Ohio University - Athens Mental Health Center Advisory Committee with appointments to the Committee to be made by the Board-Administration Committee.

BE IT FURTHER RESOLVED that the Board of Trustees authorizes the President, or his designee, in consultation with the Budget, Finance and Physical Plant Committee to interview and select a consulting firm to assist the University in the development of a comprehensive land use plan.

5. Honorary Degree

RESOLUTION 1988--998

On a motion by Mr. Campbell, and a second by Ms. Grasselli, the Board voted unanimously to confirm the awarding of the Honorary Doctor of Humane Letters Degree to Loretta Miller Ruppe.

Mr. Campbell moved approval of the resolution. Mr. Schey seconded the motion. Approval was unanimous.

RESOLUTION 1988-999

OHIO UNIVERSITY

June 25, 1988



CERTIFICATE OF APPRECIATION



presented to

FRITZ J. RUSS

Chairman of the Board

FOR *your willing and careful attention to both the formal and the substantive responsibilities of Chairman of the Board of Trustees, 1987-1988,*

FOR *your thoughtful participation over many years in University affairs as a Trustee of the Ohio University Fund, Inc., and as a member of the Board of Visitors of the College of Engineering and Technology,*

FOR *your dedicated work as a member of the Board of Trustees, your careful and thorough review of recommendations and your constant interest and support,*

FOR *those personal qualities and for that integrity which have engendered our respect and admiration,*

WE *affirm our appreciation.*

VIII. ANNOUNCEMENT OF NEXT STATED MEETING DATE AND SITE

Secretary Geiger announced the next stated meeting for Saturday, October 8, 1988, in Athens. Committee study sessions are scheduled for Friday, October 7, 1988.

IX. GENERAL DISCUSSION

Members, in turn, thanked Vice Provost Jim Bryant, Regional Deans Newton and Laubenthal and their staffs for making the Board's meetings productive and enjoyable. Belmont's Access Program and the Zanesville's faculty enthusiastic description for faculty and student learning were meaningful and well done. Members welcomed Mr. Voelker as the representative of the Alumni Association.

Mr. Schey, and all others, congratulated Fritz Russ for his strong leadership as Board Chairman, and cited the intrinsic value of the regional campuses to the university.

Mr. Voelker described the operation and membership of the National Alumni Board and noted over 110,000 living members participate in the Association.

Ms. Grasselli noted she enjoyed the weekend activities, and for the opportunity of visiting Dysart Woods.

President Ping thanked Deans Newton and Laubenthal and their faculty and staff for their good work in making the Board's meetings successful. He then presented for consideration a resolution honoring Mr. Russ for his good leadership as Board Chairman. The resolution was moved and unanimously approved. A copy is included with the minutes as Resolution 1988--999.

Chairman Russ thanked everyone for their support in making his responsibilities as Chairman a joy. He indicated he was pleased with the Board's citation and that he was looking forward to Dick Campbell's leadership.

Chairman Elect Campbell stated he enjoyed all of the Board's activities and was particularly pleased to know of the Belmont Campus participation in the James Wright Poetry Festival. He concluded by noting he was looking forward to working with the Board members next year.

X. ADJOURNMENT

Determining there was no further business to come before the Board, Chairman Elect Campbell declared the meeting adjourned at 3:20 P.M.

XI. CERTIFICATION OF SECRETARY

Notice of this meeting and its conduct was in accordance with Resolution 1975--240 of the Board, which resolution was adopted on November 5, 1975, in accordance with Section 121.22(f) of the Ohio Revised Code and of the State Administration Procedures Act.

Fritz J. Russ
Chairman

Alan H. Geiger
Secretary

OHIO UNIVERSITY
ATHENS, OHIO 45701

BOARD OF TRUSTEES

July 8, 1988

TO: Those listed below*

FROM: Alan H. Geiger, Secretary, Board of Trustees *A. Geiger*

SUBJECT: Minutes of the June 25, 1988, Meeting of the Board

Enclosed for your file is a copy of the June 25 minutes.
This draft will be presented for approval at the next stated meeting
of the Board.

Also included are copies of the minutes of the Edison Center
meeting of June 17, 1988, and the College of Osteopathic Medicine
Advisory Board meeting of May 6, 1988.

Enclosures

*Chairman and Members of the Board

Mr. Johnson
Mr. Voelker
Dr. Ping
Mr. Kennard
Dr. Geiger
Dr. Bruning
Dr. Harter
Dr. Turnage
Mr. Rudy
Archives (2)
Mr. Ellis
Mr. Burns
Mr. Kotowski
Chairman Regional Coordinating
Council

OHIO UNIVERSITY
ATHENS, OHIO 45701

BOARD OF TRUSTEES

MINUTES OF THE MEETING OF
THE BOARD OF TRUSTEES OF OHIO UNIVERSITY
2:00 P.M., SATURDAY, JUNE 25, 1988
ELSON HALL
OHIO UNIVERSITY-ZANESVILLE CAMPUS

I. ROLL CALL

Six members were present, namely Chairman Fritz J. Russ, Richard R. Campbell, Dennis B. Heffernan, Jeanette G. Grasselli, Ralph E. Schey and J. Craig Strafford, M.D.. This constituted a quorum. Trustee Priscilla S. D'Angelo attended the Friday sessions. Trustee Lewis R. Smoot, Sr. was unable to attend due to a death in his family.

President Charles J. Ping and Secretary Alan H. Geiger were present. Donald H. Voelker who sits with the Board by invitation as President of the Ohio University Alumni Board of Directors was also present. This was Mr. Voelker's first meeting.

Notice has not yet been received from the Governor regarding the appointment of Mr. Baumholtz's successor.

II. APPROVAL OF MINUTES OF THE
MEETING OF APRIL 9, 1988

Chairman Russ moved approval of the minutes as distributed. Mr. Heffernan seconded the motion. Approval was unanimous.

III. COMMUNICATIONS, PETITIONS AND MEMORIALS

Secretary Geiger reported word had been received from Elizabeth Baker thanking the Board for naming the Baker Center Window Room in her honor. Dr. Geiger stated the Board had by telephone concurrence authorized the awarding of an honorary degree to this year's commencement speaker Loretta Miller Ruppe. Confirmation of the degree awarded is to be undertaken at this meeting.

IV. ANNOUNCEMENTS

Secretary Geiger reported there were no announcements.

V. REPORTS

Chairman Russ invited President Ping to present persons for reports. The President, in turn, introduced Jack G. Ellis and Alan H. Geiger.

A. Third Century Campaign Report Jack G. Ellis Vice President for Development

Vice President Ellis reported planning for the undertaking of a major fund-raising campaign to benefit the future of the University is going well. He reviewed the recent history of the planning efforts on campus and cited public interest in issues concerning higher education. Mr. Ellis compared these issues with those identified in Toward The Third Century, a colloquium report for Ohio University, and noted the similarity between the two.

Mr. Ellis briefly described specific actions taken since the Board's January motion including preparation of the CASE Statement identifying university needs, improving information systems, adding staff and research support, identifying volunteer leadership and preparing calendar and schedule. He emphasized the size of the campaign now being considered and the dates for private and public solicitation.

Mr. Ellis commented the usual nature of campaigns such as we are proposing is that 80-90% of the campaign total comes from 10-15% of the donors. He indicated that the Trustees will be asked to assist and noted the importance of the leadership campaign in the overall effort. Mr. Ellis concluded his report by commenting about campaigns underway at other colleges and universities. A complete text of Mr. Ellis' remarks are included with the official minutes.

B. Dysart Woods Status Update Alan H. Geiger Assistant to the President and Secretary to the Board of Trustees

Dr. Geiger reported that the well-being of the Woods had been threatened by recent applications to longwall and pillar and roof mine in adjacent areas. Department of Natural Resources Director Sommers had interceded and a buffer area was identified to protect the water shed serving the Woods. No mining was to occur in the buffer area. Dr. Geiger indicated that Cleveland Electric Illuminating, Inc., had just acquired the coal resources that were to be mined. It is now anticipated the original

mining application will be withdrawn. The university is attempting to determine the extent and ownership patterns of all coal reserves on the Dysart Farm so that a long-range strategy can be developed to protect the Woods.

VI. UNFINISHED BUSINESS

The secretary reported no unfinished business.

VII. NEW BUSINESS

Chairman Russ reported that Board Committees had, at their respective meetings, discussed matters being presented to the Board. Committee Chairman or their designees presented matters for action.

A. BUDGET, FINANCE AND PHYSICAL PLANT COMMITTEE

Committee Chairman Dr. Strafford stated the Committee had considered matters to be presented to the Board. He noted the presentation of the proposed 1988-89 Budget by President Ping at the Committee of the Whole meeting and that this and other matters were in order to be presented to the Board.

Mr. Heffernan presented and moved approval of the resolution. Dr. Strafford seconded the motion. Approval was unanimous.

1. 1988-89 Operating Budget

RESOLUTION 1988-- 981

WHEREAS, the Board of Trustees received the Program Planning Report and approved the outline of the 1988-89 budget plan at their April 9, 1988 Meeting,

NOW, THEREFORE, BE IT RESOLVED that the 1988-89 budgets of expected income and expenditures as presented in Exhibits I, II, III, IV, V and VI are hereby appropriated subject to the following provisions:

1. The Provost, with the approval of the President, may make adjustments in instructional and general operating expense allocations, providing the total does not exceed available unrestricted income.
2. Expenditures for designated and restricted funds estimated on Exhibit I shall be limited to the income generated.

OHIO UNIVERSITY
1988-89 BUDGET
INCOME AND EXPENSE SUMMARY
TOTAL UNIVERSITY

	<u>Unrestricted</u>	<u>Designated and Restricted (A)</u>	<u>Total</u>
Income			
Instructional and General	\$143,224,000	\$ 15,129,000	\$158,353,000
Organized Research	0	4,820,000	4,820,000
Public Service	635,000	5,574,000	6,209,000
Auxiliary Enterprises	0	2,184,000	2,184,000 (B)
Student Aid	0	9,322,000	9,322,000
	<u>-----</u>	<u>-----</u>	<u>-----</u>
Total Income	143,859,000	37,029,000	180,888,000
Expense			
Instructional and General	143,224,000	15,129,000	158,353,000
Organized Research	0	4,820,000	4,820,000
Public Service	635,000	5,574,000	6,209,000
Auxiliary Enterprises	0	2,184,000	2,184,000 (B)
Student Aid	0	9,322,000	9,322,000
	<u>-----</u>	<u>-----</u>	<u>-----</u>
Total Expense	143,859,000	37,029,000	180,888,000
	<u>-----</u>	<u>-----</u>	<u>-----</u>
Ending Balance	\$ 0	\$ 0	\$ 0
	<u>=====</u>	<u>=====</u>	<u>=====</u>

NOTES:

(A) Included are funds received for specific purposes (Restricted) and funds generated by departments for goods and services which have been designated by the administration to offset expenditures applicable to those goods and services.

(B) Excludes Residence and Dining Halls.

OHIO UNIVERSITY
1988-89 BUDGET
INCOME SUMMARY
GENERAL UNIVERSITY PROGRAMS
AND COLLEGE OF MEDICINE

	<u>Unrestricted</u>	Designated and <u>Restricted (A)</u>	<u>Total</u>
Instructional and General			
State Subsidy	\$ 64,254,000	\$ 0	\$ 64,254,000
Student Fees	51,583,000	1,234,000	52,817,000
Other Income	8,562,000	13,336,000	21,898,000
Endowments	0	121,000	121,000
	-----	-----	-----
Total Instructional and General	124,399,000	14,691,000	139,090,000
Organized Research			
Private Gifts and Grants	0	639,000	639,000
Governmental Gifts and Grants	0	4,100,000	4,100,000
Endowments	0	81,000	81,000
	-----	-----	-----
Total Organized Research	0	4,820,000	4,820,000
Public Service			
Private Gifts and Grants	0	350,000	350,000
Governmental Gifts and Grants	0	4,368,000	4,368,000
Other Sources	635,000	720,000	1,355,000
	-----	-----	-----
Total Public Service	635,000	5,438,000	6,073,000
Auxiliary Enterprises	0	2,184,000	2,184,000 (B)
Student Aid			
Private Gifts and Grants	0	234,000	234,000
Endowments	0	172,000	172,000
Governmental Grants	0	5,748,000	5,748,000
	-----	-----	-----
Total Student Aid	0	6,154,000	6,154,000
	-----	-----	-----
Total Income	\$125,034,000	\$33,287,000	\$158,321,000
	=====	=====	=====

NOTES:

(A) Included are funds received for specific purposes (Restricted) and funds generated by departments for goods and services which have been designated by the administration to offset expenditures applicable to those goods and services.

(B) Excludes Residence and Dining Halls.

OHIO UNIVERSITY
1988-89 BUDGET
INCOME SUMMARY
REGIONAL HIGHER EDUCATION

	<u>Unrestricted</u>	<u>Restricted</u>	<u>Total</u>
Instructional and General			
State Subsidy	\$ 9,950,000	\$ 0	\$ 9,950,000
Student Fees	8,809,000	0	8,809,000
Other Income	66,000	438,000	504,000
	-----	-----	-----
Total Instructional and General	18,825,000	438,000	19,263,000
Public Service			
Private Gifts and Grants	0	0	0
Governmental Gifts and Grants	0	136,000	136,000
	-----	-----	-----
Total Public Service	0	136,000	136,000
Student Aid			
Governmental Grants	0	3,168,000	3,168,000
	-----	-----	-----
Total Student Aid	0	3,168,000	3,168,000
	-----	-----	-----
Total Income	<u>\$18,825,000</u>	<u>\$3,742,000</u>	<u>\$22,567,000</u>

Exhibit IV

OHIO UNIVERSITY
1988-89 BUDGET
UNRESTRICTED INCOME
GENERAL UNIVERSITY PROGRAMS
AND COLLEGE OF MEDICINE

State Appropriations	
Subsidy	\$ 53,314,000

Total Appropriations	53,314,000
Student Fees	47,514,000
Lifelong Learning	2,300,000
Other Income	7,534,000

Total Income	110,662,000
College of Medicine	
State Appropriation	10,940,000
Student Fees	2,404,000
Other Income	1,028,000

Total College of Medicine	14,372,000

Total Income	\$125,034,000
	=====

Exhibit V

OHIO UNIVERSITY
1988-89 BUDGET
UNRESTRICTED INCOME
REGIONAL HIGHER EDUCATION

State Appropriations	
Subsidy	\$ 9,950,000

Total Appropriations	9,950,000
Student Fees	8,809,000
Other Income	66,000

Total Income	\$18,825,000
	=====

OHIO UNIVERSITY
1988-89 BUDGET
UNRESTRICTED EXPENDITURES
ALL PROGRAMS

I.	President	
A.	Office of the President	\$ 514,000
	Board of Trustees	
	Legislative Liaison	
B.	Affirmative Action	193,000
C.	University Facilities Planning	228,000
D.	Institutional Contingency Fund	398,000
	President Total	<hr/> 1,333,000
II.	Provost	
A.	General	2,148,000
	Office of the Provost	
	Summer Session Office	
	Faculty Senate	
	Ohio University Press	
	Legal Affairs	
	Ombudsman	
	Institutional Research	
B.	Academic Programs	
1.	Arts and Sciences	25,537,000
2.	Business Administration	4,414,000
3.	Communication	4,719,000
4.	Education	4,055,000
5.	Engineering	5,578,000
6.	Fine Arts	6,867,000
7.	Graduate College & Research	1,907,000
8.	Health and Human Services	4,961,000
9.	Honors Tutorial	242,000
10.	International Studies	1,004,000
11.	College of Medicine	14,372,000
12.	University College	867,000
	Sub-Total	<hr/> 74,523,000
C.	Support And Services	
1.	Library	4,868,000
2.	Computing and Learning Services	3,448,000
	Sub-Total	<hr/> 8,316,000

II. Provost, Continued

D. Regional Higher Education

1. Office of the Vice Provost	\$ 391,000
2. Belmont Campus	2,635,000
3. Chillicothe Campus	3,318,000
4. Ironton Campus	2,155,000
5. Lancaster Campus	4,555,000
6. Zanesville Campus	3,482,000
7. Portsmouth Resident Credit Center	397,000
8. Development Incentive	520,000
9. Campus Service	1,372,000
10. Telecommunications	1,028,000
11. Lifelong Learning	2,991,000

Sub-Total 22,844,000

E. Intercollegiate Athletics 3,278,000

F. Funds To Be Allocated

1. Part-Time Teaching 320,000

Provost Total 111,429,000

III. Dean of Students

A. General

1. Office of the Dean of Students	256,000
2. Career Planning and Placement	343,000
3. Counseling and Psychological Services	394,000

Sub-Total 993,000

B. Student Organizations and Activities 1,088,000

Student Activities

Student Senate

The Post

Baker Center

Cultural Affairs

Student Activities Commission

Dean of Students Total 2,081,000

IV. Vice President for Administration

A. General 354,000

Office of the Vice President
for Administration

Administrative Senate

Professional Development

IV. Vice President for Administration, Continued

B. Baker Center Food and Beverage
(Residence and Dining Halls Auxiliary
Reported Separately) \$ 132,000

C. Student Services

1. Admissions 917,000
2. Registration, Records and
Scheduling 1,020,000
3. Financial Aid 2,444,000
4. Medical Services 1,147,000

Sub-Total 5,528,000

D. Physical Plant

1. Physical Plant Operations 7,721,000
Administration
Building Maintenance
Custodial Maintenance
Utilities Maintenance
Grounds Maintenance
2. Capital Improvements 99,000
3. Rental Properties 41,000
4. Purchased Utilities 5,501,000

Sub-Total 13,362,000

E. Support and Services

1. Personnel 462,000
President 1699
2. Security 777,000
3. Other Services 989,000
Airport
Garage
Mail Service
Environmental Health and Safety

Sub-Total 2,228,000

Vice President for Administration
Total

21,604,000

V. Treasurer and Controller

A. General

1. Office of the Treasurer
and Controller 1,669,000
2. Materials Management and
Purchasing 340,000
3. Stores Receiving 322,000

Sub-Total 2,331,000

V. Treasurer and Controller, Continued

B. Fiscal Management

1. Services	\$ 596,000
Legal Counsel	
Legal Settlements	
Auditors	
Insurance	
University Memberships	
2. Faculty and Staff Benefits	1,238,000
3. Retirement Benefits	115,000
4. Unemployment Compensation	50,000
5. Debt Service (Convocation Center)	418,000
6. Compensated Absences and Payroll	
Accrual	314,000
7. Medicare	62,000

Sub-Total	2,793,000

Treasurer and Controller Total	5,124,000

VI. Vice President for University Relations

A. Office of the Vice President for	
University Relations	349,000
B. Alumni Affairs	249,000
C. Publications	455,000
Cutler Service Bureau	
D. University News Services	294,000

Vice President for University	
Relations Total	1,347,000

VII. Vice President for Development

A. Office of the Vice President	
for Development	941,000

Vice President for Development Total	941,000

Total University Expenditures	\$143,859,000
	=====

Dr. Strafford presented and moved approval of the resolution. Ms. Grasselli seconded the motion. Approval was unanimous.

2. Ironton Campus, Phase II Plans and Specifications

RESOLUTION 1988--982

WHEREAS, the 116th General Assembly, Regular Session, 1985-1986 has introduced and approved Amended House Bill 870, and

WHEREAS, the 117th General Assembly, Regular Session, 1987-1988 has introduced and approved Amended House Bill 810, and

WHEREAS, the two Amended House Bills include a total of \$2,236,800.00 for the Ironton Branch Campus classroom facility, and

WHEREAS, the Ohio University Board of Trustees did at their regular meeting on October 17, 1987 authorize the President or his designee, in consultation with the Budget, Finance, and Physical Plant Committee to recommend to the Division of Public Works the selection of an architectural consultant to assist the University with the development of construction documents for the addition of classroom space at the campus, and

WHEREAS, Ohio University did select and recommend the firm of Moody/Nolan, Ltd. as the associate architectural firm for the project, and

WHEREAS, final plans and specifications have been prepared and are ready for advertisement to receive bids.

NOW, THEREFORE, BE IT RESOLVED that the Ohio University Board of Trustees does hereby approve plans and specifications for the Ironton Classroom Facility Project.

BE IT FURTHER RESOLVED that the Ohio University Board of Trustees does hereby authorize the advertisement for and receipt of construction bids for the Ironton Classroom Facility Project, and does hereby empower the President or his designee, in consultation with the Budget, Finance, and Physical Plant Committee to accept and recommend to the Deputy Director, Ohio Division of Public Works construction bids received for the project provided total bids do not exceed available funds.

OHIO UNIVERSITY

Interoffice Communication

June 6, 1988

To: Dr. Alan H. Geiger, Assistant to President

From: John K. Kotowski, Director, Facilities Planning



SUBJECT: IRONTON CLASSROOM FACILITY
APPROVAL OF PLANS AND SPECIFICATIONS AND
RECOMMENDATION OF CONTRACT AWARD

Amended House Bill 870 provides a capital appropriation totaling \$2,000,000.00 for the Ironton Branch Campus to plan and construct a classroom facility. The University transferred \$563,200.00 from this project, leaving \$1,436,800.00 available in Amended House Bill 870 for the facility. Amended House Bill 810 provides a second capital appropriation for the classroom facility. This appropriation totals \$800,000.00, bringing the total available for the facility to \$2,236,800.00. This project will add classrooms, laboratories, office space and other required support areas to the Campus. The initial plan was to add the new space to Collins Center. However, because of an existing City water main and property restrictions adjacent to Collins Center, the planning philosophy was altered and a new facility will be constructed.

The development of final plans and specifications have been completed. I would like to advertise the work associated with the Ironton Classroom Facility so that bids may be received. Toward that end, I have enclosed a resolution for consideration by the Board of Trustees at their June 25, 1988 meeting which seeks approval of plans and specifications and permits the recommendation of contract award so long as total bids received do not exceed total funds available for the work. I will provide the plans and specifications for the review of the Board and other interested parties later this month.

If I can be of further assistance or provide any additional information, please let me know. Thank you for consideration of this matter.

JKK/sw/86IRON02.AHG

enc:

Mr. Heffernan presented and moved approval of the resolution. Ms. Grasselli seconded the motion. Approval was unanimous.

3. McGuffey Hall Plans and Specifications and Contract Award

RESOLUTION 1988--983

WHEREAS, the 116th General Assembly, Regular Session, 1985-1986 has introduced and approved Amended House Bill 870, and

WHEREAS, the Amended House Bill 870 includes \$1,300,000.00 for the McGuffey Hall Renovation Project, and

WHEREAS, the Ohio University Board of Trustees did at their regular meeting on October 11, 1986 authorize the President or his designee, in consultation with the Budget, Finance, and Physical Plant Committee to recommend to the Division of Public Works the selection of an architectural consultant for the McGuffey Hall Renovation Project, and

WHEREAS, Ohio University did select the firm of Dan A. Carmichael, Architect as the associate for the project, and

WHEREAS, final plans and specifications have been prepared and are ready for advertisement to receive bids,

NOW, THEREFORE, BE IT RESOLVED that the Ohio University Board of Trustees does hereby approve plans and specifications for the McGuffey Hall Renovation Project.


BE IT FURTHER RESOLVED that the Ohio University Board of Trustees does hereby authorize the advertisement for and receipt of construction bids for the McGuffey Hall Renovation Project, and does hereby empower the President or his designee, in consultation with the Budget, Finance, and Physical Plant Committee to accept and recommend to the Deputy Director, Ohio Division of Public Works construction bids received for the Project provided total bids do not exceed available funds.

OHIO UNIVERSITY

Interoffice Communication

June 6, 1988

To: Dr. Alan H. Geiger, Assistant to President
From: John K. Kotowski, Director, Facilities Planning
SUBJECT: MCGUFFEY HALL RENOVATION PROJECT
APPROVAL OF PLANS AND SPECIFICATIONS AND
RECOMMENDATION OF CONTRACT AWARD



Amended House Bill 870 provides a capital appropriation totaling \$1,300,000.00 for the renovation of McGuffey Hall. This renovation project will include restoration of the building's exterior and the complete restoration/renovation of its interior for use as an administrative office facility. Once complete, the building will be of such quality to permit the buildings nomination as a historic landmark.

The development of final plans and specifications have been completed. I would like to advertise the work associated with McGuffey Hall so that bids may be received. Toward that end, I have enclosed a resolution for consideration by the Board of Trustees at their June 25, 1988 meeting which seeks approval of plans and specifications and permits the recommendation of contract award so long as total bids received do not exceed total funds available for the work. I will provide the plans and specifications for the review of the Board and other interested parties later this month.

If I can be of further assistance or provide any additional information, please let me know. Thank you for consideration of this matter.

JKK/sw/86MGUF02.AHG

enc:

Dr. Strafford presented and moved approval of the resolution. Mr. Russ seconded the motion. Approval was unanimous.

**4. ASBESTOS ABATEMENT
CLIPPINGER LABORATORY AND RADIO/TELEVISION BUILDING**

RESOLUTION 1988--984

WHEREAS, the 116th General Assembly, Regular Session, 1985-1986 has introduced and approved Amended House Bill 870, and

WHEREAS, the Amended House Bill 870 includes \$796,517.00 appropriated to the Ohio Board of Regents for asbestos abatement at Ohio University, and

WHEREAS, Ohio University has provided a slightly more than ten percent (10%) local match to bring the total available for asbestos abatement to \$885,000.00, and

WHEREAS, the Ohio University Board of Trustees did at their regular meeting on April 9, 1988 authorize the President or his designee, in consultation with the Budget, Finance, and Physical Plant Committee to recommend to the Division of Public Works the selection of an engineering consultant for the removal of asbestos in Clippinger Laboratory and the Radio/Television Building, and

WHEREAS, Ohio University did select and recommend the firm of Stilson and Associates, Inc. as the associate engineering firm for the project, and

WHEREAS, final plans and specifications have been prepared and are ready for advertisement to receive bids,

NOW, THEREFORE, BE IT RESOLVED that the Ohio University Board of Trustees does hereby approve plans and specifications for this asbestos abatement project.

BE IT FURTHER RESOLVED that the Ohio University Board of Trustees does hereby authorize the advertisement for and receipt of construction bids for the asbestos abatement work in Clippinger Laboratory and Radio/Television Building, and does hereby empower the President or his designee, in consultation with the Budget, Finance, and Physical Plant Committee to accept and recommend to the Deputy Director, Ohio Division of Public Works construction bids received for the project provided total bids do not exceed available funds.

OHIO UNIVERSITY

Interoffice Communication

June 6, 1988

To: Dr. Alan H. Geiger, Assistant to President

From: John K. Kotowski, Director, Facilities Planning

SUBJECT: ASBESTOS ABATEMENT
CLIPPINGER LABORATORY AND RADIO/TELEVISION BUILDING
APPROVAL OF PLANS AND SPECIFICATIONS AND
RECOMMENDATION OF CONTRACT AWARD

Amended House Bill 870 provides an appropriation of \$796,517.00 to the Ohio Board of Regents for asbestos removal on the Ohio University, Athens Campus. The University is providing a slightly more than ten percent (10%) local match bringing the total available for the project to \$885,000.00. The \$88,517.00 required to match the State appropriation has been identified and set aside in a plant funds account.

The funding identified will be used to remove asbestos in the Clippinger Laboratory fifth floor mechanical room and the Radio/Television Building seventh floor mechanical and storage area. The work in Clippinger Laboratory will completely eliminate known asbestos in that facility. Once removed, all areas will be re-insulated with the appropriate non asbestos containing insulation so that the necessary fire ratings can be maintained.

The development of final plans and specifications have been completed for this asbestos abatement project. I would like to advertise this work so that bids may be received. Toward that end, I have enclosed a resolution for consideration by the Board of Trustees at their June 25, 1988 meeting which seeks approval of plans and specifications and permits the recommendation of contract award so long as total bids received do not exceed total funds available for the work. I will provide the plans and specifications for the review of the Board and other interested parties later this month.

If I can be of further assistance or provide any additional information, please let me know. Thank you for consideration of this matter.

JKK/sw/86ASBT02.AHG

enc:

Mr. Heffernan presented and moved approval of the resolution. Dr. Strafford seconded the motion. Approval was unanimous.

5. Motor Vehicle, Traffic and Parking Regulations
Revisions, Athens and Regional Campuses

RESOLUTION 1988--985

WHEREAS, the Board of Trustees of the Ohio Univesity has the authority and obligation to control and regulate the use of motor vehicles on the land and property of the Ohio University on its Athens and regional campuses, and

WHEREAS, related motor vehicle, traffic, and parking policies of the Ohio University are enacted to facilitate the work of faculty, staff, and students, as well as other persons on the lands and property of the Ohio University, and

WHEREAS, the specific rules and regulations relating to these matters should be periodically revised and updated by administration in consultation with the University Parking Committee.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Trustees hereby delegates to the President or his designee the authority to establish rules and regulations regarding motor vehicle parking and traffic on the lands and property of Ohio University. Said rules and regulations, which shall supersede those enacted previously by the Board of Trustees on October 16, 1976, shall also delineate prohibitions of parking and traffic, establish a fine and penalty schedule for violation of such prohibitions and establish an appeal process for citations issued for violations of parking and traffic regulations enacted regarding parking and traffic enforcement.

BE IT FURTHER RESOLVED that enforcement of motor vehicle parking and traffic statutes, rules and regulations pursuant to the direction and authority contained in Chapter 3345 of the Ohio Revised Code shall rest solely with the Ohio University Security Department through the Director of Security and those others the Director may employ or direct to enforce said rules and regulations.

Ohio University

Date: June 9, 1988

Interoffice Communication

To: President Charles J. Ping and Members, Ohio University Board of Trustees

From: Dr. Carol Harter, Vice President for Administration



Subject: The Ohio University Motor Vehicle, Traffic, and Parking Regulations

Early in 1988, I appointed a working task force (whose members include appropriate staff and the faculty chair of the University Parking Committee) to review all policies, procedures, and issues related to parking on the Ohio University campus.

Although the task force continues to meet and has not yet reached closure on many complex issues, they have recommended several items which require administrative approval and Board of Trustees action. I agree with their proposals and therefore recommend that:

1. The Board of Trustees delegate to the President, or his designee(s), the authority to promulgate all rules, regulations, fine schedules, and other specific matters related to the motor vehicle, traffic, and parking policies of Ohio University and its regional campuses;
2. In so designating this authority, the Board authorizes that the subsequently revised and updated rules and regulations promulgated will supersede and render null and void those specific regulations last adopted by the Board on October 16, 1976; and,
3. The Board delegate authority for the enforcement of these rules to the Director of the Ohio University Security Department and those he may direct or employ to carry out that enforcement.

It is furthermore recommended that the enabling authority approved by the Board of Trustees be filed with the Secretary of State of Ohio in accordance with Section 111.15 of the Ohio Revised Code to make any established regulations binding and in force according to law.

It is the intent of the attached resolution to authorize appropriate University staff to make necessary changes to rules and regulations--now and in the future--for the orderly control of motor vehicle use, traffic, and parking on the various campuses of Ohio University. The resolution will allow the needed flexibility to change fine schedules, parking lot designations, registration procedures, traffic flow patterns, etc. without requiring specific Board action on daily procedural and operational matters.

Issues related to parking are ever-changing as our campuses continue to develop. This resolution will enable us to deal with changes in an effective and timely manner.

Dr. Strafford presented, on behalf of Trustee Priscilla S. D'Angelo, and moved approval of the resolution. Ms. Grasselli seconded the motion. Approval was unanimous.

6. Naming of Conference Room, Radio-Television Communications Building

RESOLUTION 1988--986

WHEREAS, John R. Wilhelm was the first Dean of Ohio University's College of Communication, and

WHEREAS, his efforts brought public and professional recognition to the College and the University, and

WHEREAS, he faithfully and effectively served the College and the University as Dean for fourteen years.

NOW, THEREFORE, BE IT RESOLVED that the Ohio University Board of Trustees name, and appropriately designate, the Radio-Television Communications Building Dean's Conference Room the John R. Wilhelm Conference Room in recognition of his service to Ohio University.

Mr. Campbell presented and moved approval of the resolution. Ms. Grasselli seconded the motion. Approval was unanimous.

1. Students to Board of Trustees Nomination Procedure

RESOLUTION 1988--987

WHEREAS, the 117th General Assembly of the State of Ohio has adopted legislation providing for the expansion of the Ohio University Board of Trustee membership by two non-voting student appointees, and

WHEREAS, under the provisions of House Bill 34, Division B of the Ohio Revised Code Section 3337.01, "Student members of the Board shall be appointed by the Governor, with the advice and consent of the Senate, from a group of five candidates selected pursuant to a procedure adopted by the University's student governments and approved by the University's Board of Trustees," and

WHEREAS, the following procedure complies with the intent of the legislation and assures involvement of the various student senates of Ohio University,

THEREFORE, BE IT RESOLVED that the Ohio University Board of Trustees adopts the Student Trustee nomination process as follows:

A Nomination Committee will be convened by the President of the Student Senate or his/her designee comprised of the following members:

- a. The President of the Student Senate, or his/her designee
- b. A designee selected by the Student Senate membership
- c. The President of the Graduate Student Senate, or his/her designee
- d. A student representative from the regional campuses
- e. The President or his/her designee from the student governing body of the College of Osteopathic Medicine

Student Trustee nominees will be selected from the Ohio University student population, with all groups represented in the list of nominees.

The Committee will accept applications and nominations from the entire Ohio University student community.

All Student Trustee nominees must be full-time students in 'good standing, with the exception of the regional campus representative who may be a part-time student.

The Committee will establish its own bylaws which shall include the nomination process and an anti-discrimination clause.

The nominations of the Committee will be sent to the Office of the President of the University for referral to the Governor's Office.

Note of information: Student members of the Board of Trustees of the Ohio University have no voting power on the Board. Student members shall not be considered as members of the Board in determining whether a quorum is present. Student members shall not be entitled to attend executive sessions of the Board. Terms of office for student members shall be for two years, each term ending on the same day of the same month of the year as the term it succeeds. In the event that a student member cannot fulfill his two year term, a replacement shall be selected to fill the unexpired term in the same manner used to make the original selection.

Mr. Schey presented and moved approval of the resolution. He commented on the long-term financial benefits of the technology. Mr. Campbell seconded the motion. Approval was unanimous.

2. Center for Stirling Technology Research

RESOLUTION 1988--988

WHEREAS, Ohio University is dedicated to the advancement of the art of Stirling design, and to the education of persons in the skills associated with the design of Stirling machines, and

WHEREAS, Ohio University is the only United States university known to have a graduate level course specifically designed to address the analysis and design of Stirling systems in depth, and

WHEREAS, the Stirling engine is being actively developed by government labs and private groups.

THEREFORE, BE IT RESOLVED that the Board of Trustees establishes the Ohio University Center for Stirling Technology Research.

Ohio University

Office of the Provost
Cutler Hall
Ohio University
Athens, Ohio 45701-2979

June 13, 1988

To: Charles J. Ping, President
From: James L. Bruning, Provost
Subject: Proposed Centers



Attached are proposals for two centers; the Center for Stirling Technology Research and the Center for Automatic Identification.

Both will help provide a focus for research and external funding. Since only existing faculty and resources are involved, establishment will not result in any increased costs.

jc
Attachments

A PROPOSAL
FOR A
CENTER FOR STIRLING TECHNOLOGY RESEARCH
AT OHIO UNIVERSITY

SUMMARY

This is a proposal to establish at Ohio University a Center for Stirling Technology Research which will be dedicated to the advancement of the art of Stirling design, and to the education of persons in the skills associated with the design of Stirling machines. Ohio University and the Athens, Ohio, community is uniquely qualified as the source of such an institution as a result of the presence of a major Stirling development corporation, Sunpower, Inc., with its large and growing concentration of leading experts, and the presence of other experienced people within the community and the university. The application of Stirling machines to commercial uses is just beginning, and the time is ripe for the establishment of an academic institution to generate and disseminate the information which will be in demand from the new industry.

This proposal outlines the existing and near-future situation, the need for trained people, the form a Stirling research center might take, the staff and financial needs, and the potential sources of funding and other support.

INTRODUCTION

The Stirling engine, especially in its free-piston form which was invented at Ohio University in the early '60s, is rapidly evolving from the development and prototype stage to become an important component of the energy technology of the United States and elsewhere. This machine is becoming increasingly recognized as a prime candidate for space applications, cogeneration, living space heating and cooling, gas liquifaction, cryocooling, autonomous appliance power, and many other uses making direct contributions to the convenience and energy efficiency of our society.

While the development of the Stirling engine has accelerated rapidly in the recent past as its merits become known to potential users, the store of basic understanding of its complex cycle and mechanical requirements has lagged. The Stirling engine community, and in particular its more demanding members such as NASA and DOD, have come to recognize the need for much more detailed and deep understanding of the basic foundations of Stirling technology. At the same time, the few organizations actually building and testing the machines are deeply committed to narrowly specific projects and designs and their associated stringent development timetables. Thus, there is an unfilled need for a source of fundamental information to maintain and support the design groups working in this accelerating field of engineering. Typically, the

work required is peculiar to the Stirling engine as one of the few examples of thermodynamic cycles, which is intrinsically unsteady-state by nature, and involves the simultaneous analyses of many complex flow and thermal processes and their interaction with novel loading devices and cycles. Such work is of the kind which has been traditionally done in universities with their store of highly trained faculty, laboratories, research students and computer facilities, rather than in industrial development labs, but at the present time there is no center of Stirling-related basic research in any U.S. university.

Ohio University in Athens is a natural choice for such a center for Stirling technology development. Around this university is a concentration of Stirling-related research, development, and production activities not matched anywhere else. Sunpower, Inc., a recognized leader in Stirling engine innovation, development, and application, is located in Athens, as is Stirling Technology, Inc., a producer of commercially successful Stirling engines. Several well known Stirling engine consultants are also there. There is no other center in the United States with such a concentration of talent, experience and resources available for Stirling technology research, education, training and development, and with the growth of a Stirling-related industry, this local pool of talents and resources is growing.

Ohio University is the only United States university known to have a graduate level course specifically designed to address the analysis and design of Stirling systems in depth. This course was conceived and implemented by a former employee of Sunpower, who is now a faculty member of the College of Engineering and Technology.

In order to take advantage of this juxtaposition of resources, and to fill the growing need for fundamental scientific and engineering support for the emerging technology of Stirling machines, it is proposed that a new group dedicated to this task be formed within Ohio University. This group would serve as the focus of the talent needed to generate the fundamental knowledge to support this rapidly advancing technology, and to train the engineers who will be in demand as the Stirling engine moves from the development labs to commercial application.

It is suggested that Ohio University establish a Center for Stirling Technology Research, comprised initially of one or two senior researcher/administrators and their supporting graduate students and administrative assistants, and that this group interact appropriately with the industrial and governmental sponsors to find problems upon which to concentrate, and the funding needed to carry out the work. A further and very important task of this group would be education; the generation of appropriate courses and training of students at advanced degree levels, and the organization and presentation of workshops, seminars, and publications.

A successful implementation of this suggestion would result in a unique and much needed source of basic design information, and also trained engineers who would have had the rare opportunity to interact with the machines themselves, their analysis and diagnosis throughout their educational experience. This result would fulfill the present growing need for such information and training in a rapidly growing and important field of technology.

SOURCES OF FUNDING

The Stirling engine has become the leading contender for the role of dynamic power source in space power plants designated for future satellites, for ground-based solar applications, for quiet portable power sources in uses where diesels are unsuited because of their noise and pollution, and as auxiliary power sources for large motor vehicles, yachts, fishing boats, military vehicles, many cooling applications, and many other similar uses. A new industry is in the process of forming to put these machines on the market, and this industry will need trained engineers and basic scientific support which could be provided by a Center for Stirling Technology Research of the kind proposed here.

The users of Stirling technology are the natural sources of funding for a Stirling center. Such a center should expect to make proposals for support to all of them in their respective areas of interest.

Typical proposals would be as follows:

To government organizations (NASA, DOE, DOD) -- Basic work on systems, materials, components, analysis, other work intended to extend the base of design information, and the understanding of the fundamentals of the technology.

To industrial organizations (those engaged in manufacturing Stirling products) -- Work of an immediately applicable nature, bearings and seals development, materials testing, component testing, and innovation.

It is expected that the budget for the government work on Stirling engines in the immediate future will be approximately \$30 million/year, perhaps half of which will be R&D as opposed to fabrication and test of specific prototypes, and in the industry the budget will be much higher, but most of it will be allocated to manufacturing activities and not R&D. The probable R&D budget for Stirling machines from all sources is estimated at roughly \$15 million/year for the next five years. (This has been the level of funding of the automotive Stirling application until recently). Depending on the success of development programs in space, heat pumps, solar, and cogeneration applications now under way, the budget may be much higher than that. For example, if a viable gas-fired heat pump is demonstrated within the year as planned, the heat pump industry will be energized to pursue this technology, since its competitive advantage over existing heat pumps is large and threatening to present manufacturers of electrically driven heat pumps.

PRESENT AND NEAR-TERM STIRLING ACTIVITIES AND ORGANIZATIONS

The Stirling engine is being actively developed by government labs and private groups, some of which are listed below along with their activities. This list is growing rapidly.

NASA -- Space nuclear and space-based and ground-based solar power from several hundred watts to 100kW electric power output. Intended purpose is for a wide spectrum of military and other uses. Competing

space power generating systems are heavier, less efficient and/or more vulnerable to natural and hostile threats. NASA is the center of U.S. government development work on Stirling engines per se, as opposed to applications of Stirling engines, which are the concern of all of the relevant labs.

DOE -- Heat pumps, cogeneration, other energy-conserving applications of Stirling engines. DOE has a large contract with Sunpower to develop cost-effective gas-fired heat pumps and their auxiliaries, such as magnetic seals for the hermetic transfer of power from the engine to the refrigerant compressor.

Gas Research Institute -- Heat pumps, cogeneration, autonomous home appliances (capable of operating on natural gas without need for electrical energy input), other applications making gas utilization more competitive with other alternatives. GRI is at present negotiating with A.D. Little-Sunpower to develop autonomous gas appliances, heating systems, stoves, etc.

Cummins Engine Co. -- Stationary and portable electric power generators, ground-based solar power for remote areas and for central power stations, vehicle auxiliary power, military, quiet, low infrared generators. Market estimate approximately \$300 million/year in five years.

Black & Decker -- Lightweight, bottled gas-driven battery replacements, portable power tools, home appliances, light-duty portable generators for sport and recreational use. Market projected as \$80 million/year in five years.

Major U.S. manufacturer of air-conditioning systems -- Gas-fired home and industrial food freezers, heat-driven remote area food freezers and medical cold cabinets.

Forma Scientific -- Biological coolers, nitrogen reliquifiers, coolers for supercomputers, and future superconducting devices.

The organizations listed above represent the present active participants in Stirling engine R&D and commercialization, but this list is growing as the success of each influences the decisions of the next participant. It is reasonable to expect that the near future will see the addition of commercialization efforts in other areas of U.S. technology, the most likely being a natural gas-driven air conditioner for the southern United States.

There is a high likelihood of overseas participation. Both the Japanese and the Germans are very interested, but at this time they lag far behind the United States in level of effort and depth of understanding of the Stirling art. The Russians are also beginning to show interest, particularly in ground-based solar power, but they are even farther behind in the development of practical machines. It is possible that these and other overseas groups may be interested in licensing existing U.S. Stirling patents and supporting research efforts by exchange programs.

STRUCTURE AND STAFF OF CENTER FOR STIRLING TECHNOLOGY RESEARCH

The Center for Stirling Technology Research would initially draw its staff from the senior engineers of Sunpower, of whom there are at least three well qualified Ph.D. level engineers willing to assist in teaching and directing research, from local Stirling consultants, and from the staff of Ohio University. The minimal start-up staff would be a director, an assistant to the director, and one or two part-time faculty with appropriate assistants, to structure and teach the curriculum and plan and implement the laboratory. The facilities could include a portion of the Sunpower lab, and office and lab space within the university. A significant part of the course requirements would be drawn from existing courses already available within the College of Engineering and Technology (see appendix A, curriculum).

The center director would report to the Dean of the College of Engineering and Technology. The task of the director will be to set the goals of the center, acquire and assign duties to the staff, cooperate appropriately with the engineering department administration to fill out the curriculum, and seek out and manage the funding required.

The director would, in the interest of efficiency of interaction with the larger community of the College of Engineering and Technology, consult a board of advisors, which would be comprised of senior faculty of the participating departments, and representatives of sponsoring organizations when appropriate. The role of this board would be to assist the center in carrying out the educational and research mission.

The needed minimal budget for the first year of operation would be (in direct costs for salary and equipment) approximately:

Director (part-time) -----	\$ 22,000
Assistant to Director (full time) -----	\$ 27,000
Faculty (part-time) -----	\$ 40,000
Technician (full time) -----	\$ 20,000
Graduate Assistants -----	\$ 15,000
Lab and Materials -----	<u>\$ 40,000</u>
Total -----	\$ 164,000

It would be expected that the faculty and students would almost immediately begin the process of research which would justify funding from outside organizations, but it is very likely that the university would find it necessary to be responsible for some seed money during the first year at least.

LABORATORY REQUIREMENTS

A well equipped laboratory is essential for the proper education of students and for research work. It would have to include some engines for student familiarization as well as the equipment and space typical of a thermal machine research facility. An essential requirement of this laboratory would be a capable technician and at least one faculty member with a strong commitment to experimental work who would serve as the laboratory manager. The facilities of Sunpower, Inc., would also be available for use by some students for thesis projects and for part-time employment.

Typical equipment for the laboratory would be:

Engines - ST-5 hot air engine equipped as a student training engine. Several up-to-date free-piston engines from Sunpower, ranging from a few hundred watts to several kilowatts in output power.

Experimental rigs - Oscillating flow and heat transfer rig to explore performance of heat exchanger elements in conditions typical of Stirling engines. Apparatus for the exploration of losses in gas springs and other auxiliaries. Linear alternator test rig. Bearings and seals test rig.

General lab apparatus - Oscilloscopes, other measuring equipment, expendable materials (thermocouples, tubing, etc). Access to a small lathe and mill, drill press, and hand tools.

The cost of such equipment is roughly estimated at about \$150,000, which would not all be needed within the first full year of activity. At least initially, a portion of this could be supplemented by equipment, apparatus and space at Sunpower.

Laboratory floor area would be minimally 2,500 sq. ft., with expansion capability to 3,600 sq. ft.

TIME SCHEDULE FOR INITIATION OF CENTER ACTIVITY

Approval of concept and commitment of minimal funding by university:	Summer, 1988
Initial organizational and funding efforts by Director and Dean of College:	Summer, 1988
Establishment of curriculum and assignment of faculty and staff:	Fall, 1988
Set-up of lab. and initiation of research and recruitment of students:	Fall, 1988
Formal initiation of center work, admission of first candidates for MS degree:	Winter, 1988

Ms. Grasselli presented and moved approval of the resolution. Dr. Strafford seconded the motion. Approval was unanimous.

3. Center for Automatic Identification

RESOLUTION 1988--989

WHEREAS, Ohio University has identified expertise in the area of automatic identification education, and

WHEREAS, such expertise exists within the Department of Industrial Technology in the College of Engineering, and

WHEREAS, no center currently exists for the study of automatic identification at any institution of higher education and Ohio University's Department of Industrial Technology has gained national prominence in the subject matter,

THEREFORE, BE IT RESOLVED that the Board of Trustees establishes the Ohio University Center for Automatic Identification.

A Proposal for the Establishment of the
CENTER FOR AUTOMATIC IDENTIFICATION

in the
Department of Industrial Technology
College of Engineering and Technology
Ohio University

BACKGROUND

Automatic identification is the process of automatically and positively identifying objects and entering data into a computer database. Auto ID technologies include bar coding, optical character recognition, machine vision, radio frequency, and voice data entry.

Alternatively referred to as keyless data entry, automatic identification is becoming the most important tool for productivity improvement in fields such as manufacturing, retail sales, and health care. Auto ID offers fast, accurate, and reliable data entry and identification of parts, products, paperwork, and people.

The concept of auto ID has been around for several decades, however only in the last few years has the subject matter become prominent. For 1987 gross sales of just over 1 billion dollars by the relatively few companies engaged in the business. Gross sales of nearly 1.5 billion dollars are projected for 1988. Scan-Tech, the major industry show for each auto ID each year, has grown each year since the first one held in 1982. That year 12 companies exhibited in Dallas. Scan-Tech 88, to be held in Chicago will have 140 companies involved.

Automatic identification will continue to grow and expand. Requirements that all items procured by the Department of Defense carry a bar coded identification number, the retail use of the UPC bar code, and the automotive industry's conversion to bar coding all point to continued growth and development in the subject.

PROBLEM

There currently exists no organized university location for the study and research of automatic identification.

GOAL

It is proposed that Ohio University establish a Center for Automatic Identification Education and Research in the Department of Industrial Technology in the College of Engineering and Technology. This would be the first and only center devoted exclusively to automatic identification.

OBJECTIVES

Establishment of a center for automatic identification education and research would allow for the following objectives:

1. formalize the AIM sponsored Automatic Identification Teacher's Institute.
2. serve the industry as a clearinghouse for their proposed certification process.
3. provide various educational activities.
4. develop the only comprehensive library on automatic identification subject matter.
5. provide technology transfer services to industries and business.
6. provide research opportunities for graduate students in engineering, physics, business administration.
7. gain national and international prominence.
8. develop and disseminate educational materials.
9. provide employment and research opportunities for ENT faculty members.

RATIONALE

The Department of Industrial Technology has already established itself as the national leader in automatic identification education. The following items strongly suggest that Ohio University is the most logical place to establish the proposed center.

1. OU is only one of two universities teaching classes in automatic identification. (Dr. Fales started the course at Purdue prior to coming to OU)
2. Dr. James F. Fales, Professor of Industrial Technology, is very closely involved with the Automatic Identification Manufacturers, Inc. (AIM), serving to advise them on educational matters.
3. Dr. Fales is recognized as the leading university expert on automatic identification.
4. OU hosted the first Automatic Identification Teachers Institute in July 1987, funded by AIM. The second institute will be held in July 1988.
4. OU has gained national recognition and prominence as the leading institution in automatic identification.
5. Currently, several faculty members have made national presentations and published journal articles on the subject.
6. A major portion of the companies producing and selling auto ID hardware, software, and services are located in or near Ohio.

LOGISTICS AND OPERATIONS

Initially only university approval and a small amount of seed money is needed to start the center. Dr. Fales would serve as center director. Several other faculty in the College of Engineering and Technology have expressed interest in future involvement. Furthermore it is expected that faculty from physics and management would be interested in participating as opportunities arise.

With regard to operational and on-going funding, it is assumed that contract activities with outside agencies would provide the necessary funding. At some future point in time, a part time associate director might be needed to coordinate and oversee the daily activities of the center. Again it is assumed that at that point in time the necessary funding would be included in any contract activities.

CONCLUSION

Automatic identification is rapidly becoming an important tool in the attempt to improve productivity in many industries and businesses. No center currently exists for the study of automatic identification at any institution of higher education. Ohio University's Department of Industrial Technology has gained a national prominence in the subject matter. Therefore, it seems logical that a Center for Automatic Identification Education and Research be established within the College of Engineering and Technology.

1. Election of Officers and President

a. Election of Chairman

Mr. Russ moved approval of the resolution. Ms. Grasselli seconded the motion. Approval was unanimous.

RESOLUTION 1988--990

RESOLVED that Richard R. Campbell be elected Chairman of the Board of Trustees for the year beginning July 1, 1988, and ending June 30, 1989.

b. Election of Vice Chairman

Mr. Campbell moved approval of the resolution. Ms. Grasselli seconded the motion. Approval was unanimous.

RESOLUTION 1988--991

RESOLVED that Dennis B. Heffernan be elected Vice Chairman of the Board of Trustees for the year beginning July 1, 1988, and ending June 30, 1989.

c. Election of Treasurer

Mr. Russ moved approval of the resolution. Mr. Campbell seconded the motion. Approval was unanimous.

RESOLUTION 1988--992

RESOLVED that William L. Kennard be elected Treasurer of Ohio University for the year beginning July 1, 1988, and ending June 30, 1989.

d. Election of Secretary

Mr. Campbell moved approval of the resolution. Dr. Strafford seconded the motion. Approval was unanimous.

RESOLUTION 1988--993

RESOLVED that Alan H. Geiger be elected Secretary of the Board of Trustees for the year beginning July 1, 1988, and ending June 30, 1989.

e. Election of President

Mr. Russ moved approval of the resolution. Mr. Campbell seconded the motion. Approval was unanimous.

RESOLUTION 1988--994

RESOLVED THAT Charles J. Ping be elected President of Ohio University for the year beginning July 1, 1988, and ending June 30, 1989.

2. Compensation for President and
Executive Officers

Mr. Campbell presented and moved approval of the resolution. Mr. Schey seconded the motion. Approval was unanimous.

RESOLUTION 1988--995

WHEREAS, in executive session in Committee of the Whole there was a review of the performance of executive officers and a presentation of salary recommendations by the President based on this review, and a discussion of compensation for the President.

THEREFORE, BE IT RESOLVED that the Board of Trustees authorizes the Board-Administration Committee to review with the President the salaries of executive officers and to determine the compensation for the executive officers and the President for 1988-89.

3. Meeting Dates for Succeeding Year

Designation of Stated Meeting Dates for Year Beginning
July 1, 1988 and Ending June 30, 1989

Mr. Russ presented and moved approval of the resolution. Mr. Campbell seconded the motion. Approval was unanimous.

RESOLUTION 1988--996

RESOLVED that the following dates, which are Saturdays, be designated the stated meeting dates for the year beginning July 1, 1988, and ending June 30, 1989, with committee meetings and study sessions incident to each meeting being scheduled the preceding Friday.

October 8, 1988, Athens Campus (Committees meet
on October 7)
February 18, 1989, Athens Campus (Committees meet
on February 17)
April 8, 1989, Athens Campus (Committees meet
on April 7)
June 24, 1989, Lancaster Campus (Committees meet
on June 23)

RESOLVED further that, if circumstances dictate, the Board-Administration Committee be authorized to change the date of a stated meeting.

Mr. Campbell presented and moved approval of the resolution.
Mr. Schey seconded the motion. Approval was unanimous.

4. Land Use Advisory Committee - Former Athens Mental Health Center
Land and Buildings

RESOLUTION 1988--997

WHEREAS, the 117th General Assembly did authorize transfer to Ohio University the title to a major portion of the Athens Mental Health Center land and buildings, and

WHEREAS, Amended House Bill 576 mandates the appointment by the Board of Trustees of an advisory committee to review, comment and make recommendations on the comprehensive land use plan to be developed by the University.

NOW, THEREFORE, BE IT RESOLVED that the Board of Trustees does hereby establish the Ohio University - Athens Mental Health Center Advisory Committee with appointments to the Committee to be made by the Board-Administration Committee.

BE IT FURTHER RESOLVED that the Board of Trustees authorizes the President, or his designee, in consultation with the Budget, Finance and Physical Plant Committee to interview and select a consulting firm to assist the University in the development of a comprehensive land use plan.

5. Honorary Degree

RESOLUTION 1988--998

On a motion by Mr. Campbell, and a second by Ms. Grasselli, the Board voted unanimously to confirm the awarding of the Honorary Doctor of Humane Letters Degree to Loretta Miller Ruppe.

Mr. Campbell moved approval of the resolution. Mr. Schey seconded the motion. Approval was unanimous.

RESOLUTION 1988--999

OHIO UNIVERSITY

June 25, 1988



CERTIFICATE OF APPRECIATION



presented to

FRITZ J. RUSS

Chairman of the Board

FOR *your willing and careful attention to both the formal and the substantive responsibilities of Chairman of the Board of Trustees, 1987-1988,*

FOR *your thoughtful participation over many years in University affairs as a Trustee of the Ohio University Fund, Inc., and as a member of the Board of Visitors of the College of Engineering and Technology,*

FOR *your dedicated work as a member of the Board of Trustees, your careful and thorough review of recommendations and your constant interest and support,*

FOR *those personal qualities and for that integrity which have engendered our respect and admiration,*

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WE *affirm our appreciation.*

VIII. ANNOUNCEMENT OF NEXT STATED MEETING DATE AND SITE

Secretary Geiger announced the next stated meeting for Saturday, October 8, 1988, in Athens. Committee study sessions are scheduled for Friday, October 7, 1988.

IX. GENERAL DISCUSSION

Members, in turn, thanked Vice Provost Jim Bryant, Regional Deans Newton and Laubenthal and their staffs for making the Board's meetings productive and enjoyable. Belmont's Access Program and the Zanesville's faculty enthusiastic description for faculty and student learning were meaningful and well done. Members welcomed Mr. Voelker as the representative of the Alumni Association.

Mr. Schey, and all others, congratulated Fritz Russ for his strong leadership as Board Chairman, and cited the intrinsic value of the regional campuses to the university.

Mr. Voelker described the operation and membership of the National Alumni Board and noted over 110,000 living members participate in the Association.

Ms. Grasselli noted she enjoyed the weekend activities, and for the opportunity of visiting Dysart Woods.

President Ping thanked Deans Newton and Laubenthal and their faculty and staff for their good work in making the Board's meetings successful. He then presented for consideration a resolution honoring Mr. Russ for his good leadership as Board Chairman. The resolution was moved and unanimously approved. A copy is included with the minutes as Resolution 1988--999.

Chairman Russ thanked everyone for their support in making his responsibilities as Chairman a joy. He indicated he was pleased with the Board's citation and that he was looking forward to Dick Campbell's leadership.

Chairman Elect Campbell stated he enjoyed all of the Board's activities and was particularly pleased to know of the Belmont Campus participation in the James Wright Poetry Festival. He concluded by noting he was looking forward to working with the Board members next year.

X. ADJOURNMENT

Determining there was no further business to come before the Board, Chairman Elect Campbell declared the meeting adjourned at 3:20 P.M.

XI. CERTIFICATION OF SECRETARY

Notice of this meeting and its conduct was in accordance with Resolution 1975--240 of the Board, which resolution was adopted on November 5, 1975, in accordance with Section 121.22(f) of the Ohio Revised Code and of the State Administration Procedures Act.

Fritz J. Russ
Chairman

Alan H. Geiger
Secretary