

OHIO UNIVERSITY
ATHENS, OHIO 45701

BOARD OF TRUSTEES

April 17, 1981

TO: Those listed below*

FROM: Robert E. Mahn, Secretary, Board of Trustees *Robert E. Mahn*

SUBJECT: Minutes of the April 11, 1981, Meeting of the Board

Enclosed for your file is a copy of the April 11 minutes. This draft will be presented for approval at the next regular meeting of the Board.

REM:vg

Enclosure

*Chairman and Members of the Board

Mr. Johnson
Mr. Axline
Dr. Ping
Mr. Mahn (2) ✓
Dr. Bucklew
Mr. Peebles
Mr. Kurlinski
Dr. Harter
Mr. Kennard
Archivist (2)
Resident Auditor
Mr. Burns

MINUTES OF THE MEETING OF
THE BOARD OF TRUSTEES OF OHIO UNIVERSITY

Saturday, April 11, 1981, 9:00 A.M.
Room 319, Alden Library, Ohio University Campus
Athens, Ohio

I. ROLL CALL

Seven members were present, namely, William A. Lavelle, Chairman, Milton J. Taylor, Vice Chairman, Frank C. Baumholtz, G. Kenner Bush, Priscilla S.D'Angelo, William D. Rohr and Donald A. Spencer. This constituted a quorum. Dean Jeffers and J. Grant Keys were unable to attend.

President Charles J. Ping, Secretary Robert E. Mahn and Robert P. Axline, Jr., who sits with the Board by invitation as President of the Ohio University Alumni Board of Directors, also were present. Trustee Emeritus Fred H. Johnson did not attend.

II. APPROVAL OF MINUTES OF THE MEETING OF
JANUARY 31, 1981
(previously distributed)

Mr. Spencer moved that the minutes be approved as distributed. Mr. Rohr seconded the motion. Approval was unanimous.

III. COMMUNICATIONS, PETITIONS AND MEMORIALS

Secretary Mahn reported no communications, petitions or memorials.

IV. ANNOUNCEMENTS

There were no announcements.



8

0



V. REPORTS

A. COMMENTS BY THE PRESIDENT

President Ping reported that the Board had discussed budget and funding problems in Committee of the Whole on Friday. Uncertainties of funding precluded the budget plan from coming into focus. He expressed the hope that a budget plan could be in place for consideration at the June 27 meeting.

Indications to date, he stated, point to a continuation of the current underfunding problem, which prompted the plan to limit admission of freshmen to assure a match of total enrollment with funding. Whether tuition will have to be increased remains to be determined. All appropriation plans call for students to assume a higher proportion of educational costs.

The President commended alumni and friends for their ongoing support. Compared with the same date a year ago, the gifts total of \$1,418,000 represents about a half million dollar increase, with an increase of 1600 in number of donors.

VI. UNFINISHED BUSINESS

The Secretary reported no unfinished business.

VII. NEW BUSINESS

Chairman Lavelle, after determining that there were no additions to the agenda, stated that Board committees had, at their respective meetings, discussed the matters now being presented to the Board. Chairmen, or committee members designated by them, were invited to present the matters for action. He stated that, in the absence of Mr. Jeffers, Mr. Bush would present Budget, Finance and Physical Plant Committee matters.

A. BUDGET, FINANCE AND PHYSICAL PLANT COMMITTEE MATTERS

1. ACCEPTANCE FOR DEPOSIT WITH SECRETARY OF
REPORT OF EXAMINATION OF AUDITOR OF STATE
FOR PERIOD JULY 1, 1977, THROUGH JUNE 30, 1978.

Mr. Spencer moved approval of the resolution. Mr. Bush seconded the motion. Approval was unanimous.

RESOLUTION 1981--565

WHEREAS, the Auditor of State made no exceptions in his Report of Examination of Ohio University for the period July 1, 1977, through June 30, 1978,

THEREFORE, BE IT RESOLVED that the Report of Examination is filed with the Secretary.

The full Report is filed with the official minutes.

2. BOND REDEMPTION RESOLUTION

Mr. Baumholtz moved approval of the resolution. Mr. Spencer seconded the motion.

President Ping reminded members that what might appear to be a routine resolution reflected tremendous effort by Treasurer Kennard and good management by residence services personnel.

Approval of the motion by roll call vote was unanimous:

Baumholtz	Yes	Lavelle	Yes
Bush	Yes	Spencer	Yes
D'Angelo	Yes	Taylor	Yes
Rohr	Yes		

OHIO UNIVERSITY
INTER-OFFICE COMMUNICATION

DATE February 16, 1981

TO Robert E. Mahn, Secretary to the Board of Trustees

FROM William L. Kennard, Treasurer and Controller

SUBJECT BOND REDEMPTION RESOLUTION

The 1974 Escrow Revision Resolution as prepared by the law firm Peck, Shaffer and Williams, Bond Council and passed by the Board of Trustees at the special meeting December 22, 1980 provided for the redemption prior to their stated maturities in whole or in part the Housing and Dining Revenue Bonds, Series B, D, E, G and H on January 1, 1996.

Peck, Shaffer and Williams has recommended that the call date of January 1, 1996 be revoked and the Board authorize the President and Treasurer to call specific bonds contained in the restructuring agreements. I am enclosing copies of their proposed resolution.

Would you please place the proposed resolution on the agenda for the April board meeting.



William L. Kennard

WLK:bjq

Enclosures

xc: Charles J. Ping, President

OPEN MEETING CERTIFICATE

The undersigned hereby certifies that the regular meeting of the Board of Trustees of the Ohio University held on April 11, 1981, at which all formal actions were taken and all deliberations were held relating to the adoption of the attached resolution, was a meeting which was open to the public, in full compliance with applicable legal requirements, including Section 121.22 of the Ohio Revised Code.

April 11, 1981

Secretary

REDEMPTION RESOLUTION

A RESOLUTION AUTHORIZING THE CALL FOR REDEMPTION
PRIOR TO THEIR STATED MATURITIES OF CERTAIN OF THE
HOUSING AND DINING REVENUE BONDS SERIES E, G AND H.

WHEREAS, the President and Trustees of the Ohio University (the "University"), a state university of the State of Ohio created and existing under Chapter 3337 of the Ohio Revised Code, by resolution adopted by its Board of Trustees (the "Board") dated December 22, 1980 authorized the revision of certain investments held in escrow, as described more fully in such resolution, and in connection therewith further authorized on January 1, 1996 to call for redemption prior to their stated maturities in whole or in part the Housing and Dining Revenue Bonds, Series B, D, E, G and H; and

WHEREAS, the Board has been advised that in connection with the revision of such investments held in escrow, it is necessary to revoke or amend certain of such calls for redemption provided in the resolution dated December 22, 1980; and

WHEREAS, the Board has determined that it is in the best financial interest of the University to authorize and direct the calls for redemption as provided in Exhibit A hereto;

NOW, THEREFORE,

BE IT RESOLVED by the Board of Trustees of the University:

SECTION 1. Section 2 of the Escrow Revision Resolution of the Board dated December 22, 1980 is hereby revoked insofar as it relates to the calls for redemption on January 1, 1996 prior to their stated maturities in whole or in part of the Housing and Dining Revenue Bonds, Series B, D, E, G and H.

SECTION 2. The President and the Treasurer acting for and on behalf of the University are hereby authorized and directed to take such actions, and execute such documents, as may be required to call for redemption prior to their stated maturities in whole or in part the Housing and Dining Revenue Bonds, Series E, G and H as provided in Exhibit A hereto.

SECTION 3. This resolution shall take effect upon its adoption.

I certify the above to be a true copy of a resolution approved by the Board of Trustees at a regular meeting held on April 11, 1981, at which a quorum was present and voted.

April 11, 1981

Secretary

EXHIBIT A

Calls for redemption prior to their stated
maturities of the Housing and Dining Revenue Bonds:

<u>Series</u>	<u>Call Date</u>	<u>Original Maturity Date</u>	<u>Coupon Rate</u>	<u>Principal to be called</u>	<u>Call Premium</u>
Series E	7/1/2001	1/1/2003	3-5/8%	\$ 150,000	None
Series E	7/1/2001	1/1/2004	3-5/8%	49,000	None
		Subtotal		\$ 199,000	
Series G	1/1/87	1/1/2007	4.9%	\$ 80,000	2-1/2%
Series G	1/1/89	1/1/2007	4.9%	50,000	2%
Series G	1/1/90	1/1/2007	4.9%	30,000	2%
Series G	1/1/91	1/1/2007	4.9%	25,000	2%
Series G	1/1/92	1/1/2007	4.9%	30,000	2%
Series G	1/1/93	1/1/2007	4.9%	25,000	1-1/2%
Series G	1/1/93	1/1/2006	4.9%	5,000	1-1/2%
Series G	1/1/94	1/1/2006	4.9%	25,000	1-1/2%
Series G	1/1/95	1/1/2006	4.9%	25,000	1-1/2%
Series G	1/1/96	1/1/2006	4.9%	15,000	1-1/2%
Series G	1/1/97	1/1/2006	4.9%	30,000	1-1/2%
Series G	7/1/97	1/1/2006	4.9%	25,000	1%
Series G	7/1/98	1/1/2006	4.9%	25,000	1%
Series G	7/1/99	1/1/2006	4.9%	25,000	1%
Series G	7/1/2000	1/1/2006	4.9%	55,000	1%
Series G	7/1/2000	1/1/2005	4.9%	20,000	1%
Series G	7/1/2001	1/1/2005	4.9%	200,000	1%
Series G	7/1/2001	1/1/2004	4.9%	210,000	1%
Series G	7/1/2001	1/1/2003	4.9%	200,000	1%
Series G	7/1/2001	1/1/2002	4.9%	88,000	1%
		Subtotal		\$1,188,000	
Series H	7/1/2001	1/1/2003	3%	\$ 130,000	1%
Series H	7/1/2001	1/1/2004	3%	160,000	1%
Series H	7/1/2001	1/1/2005	3%	160,000	1%
Series H	7/1/2001	1/1/2006	3%	170,000	1%
Series H	7/1/2001	1/1/2007	3%	170,000	1%
		Subtotal		\$ 790,000	

3. PROPOSED 1981-1982 RESIDENCE AND
DINING HALL BUDGET AND RATE
INCREASES

Mr. Bush moved approval of the resolution. He noted that the resolution called for increases in rates to meet the problems of inflation and to upgrade the physical environment and the quality of the residential experience. He complimented dormitory management for its singular record of success since 1975.

Mr. Baumholtz seconded the motion. Approval was unanimous.

OHIO UNIVERSITY
INTER-OFFICE COMMUNICATION

DATE April 1, 1981

TO President Charles J. Ping and Members of The Ohio University Board of Trustees,

FROM Dr. Carol Harter, Vice President and Dean of Students

Carol Harter

SUBJECT Proposed 1981-1982 Residence and Dining Hall Budget and Rate Increases

I am again pleased to report that projected residence hall occupancy for next year presents a continuing healthy picture for both the dormitory system and for Ohio University.

As you might well anticipate, however, inflationary considerations, particularly as they affect raw food and utilities, require us to propose an average 10% increase in rates in order to meet the basic needs of residential students.

In addition to meeting fundamental service requirements, the proposed budget contains expenditure items aimed at upgrading the physical environment and the quality of residential experience:

- (1) A "Planning Pool" and process was established for next year paralleling the UPAC model. The purpose of this \$111,200 pool is to fund projects which visibly enhance the residential environment or have the potential for long-range financial savings. A description of the proposals selected for funding appears as "Attachment I"; and,
- (2) An additional \$150,000 allocation to the repair and reserve is designated for future major projects.

While the residence hall system is clearly financially solvent, we are not yet in a position to increase dramatically major capital improvements without passing prohibitively high rate increases on to students. The increase proposed reflects simply the impact of inflation on basic goods and services -- a significant impact this year.

CH/vg

OHIO UNIVERSITY
Residence and Dining Hall Current Auxiliary Fund
Financial Premises for the 1981-82 Budget
March 10, 1981

Rate Increase Request:

A proposed rate increase averaging 10% has been applied to all room, apartment, and board charges.

Income Consideration:

In addition to the above rate increases, certain other categories have been increased correspondingly:

- a. Workshops
- b. Linen service
- c. Snack bar, catering and banquets, and guest meals
- d. Guest housing

Facility Utilization:

All available residence halls will be operative for the 1981-82 academic year. Crook Hall will continue to house students until the start of construction and renovation for the College of Engineering. Convocation Center has been designated for guest housing.

Occupancy Levels:

	<u>Fall Quarter</u>	<u>Yearly Average</u>	<u>Retention %</u>
1980-81 Budget - student residents (Revised Sept. 1980)	6,789	6,420	94.56
- dining hall students	6,441	6,066	94.18
1981-82 Budget - student residents	6,689	6,325	94.56
- dining hall students	6,346	5,977	94.18

Fall Quarter occupancy and retention based upon 1979-80 actual adjusted for recent occupancy projections.

Cost Containment Measures:

Cost containment efforts maintained over the last five years are to be continued for fiscal year 1981-82.

March 10, 1981

Inflationary Consideration:

The following inflationary increases have been applied to the 1980-81 budgeted operating expenditures:

Staff (including students) compensation and fringe benefit pool . . .	7.5%
Raw food	12.5%
Utilities (average)	16.5%
All other expense areas	8.0%

The overall inflationary increases amount to approximately 10.0%.

Repair and Replacement Reserve:

The Residence and Dining Hall Auxiliary will continue the efforts in establishing a modest repair and replacement reserve by designating \$150,000 for this purpose this fiscal year.

New Program Pool:

During the course of Winter Quarter 1981 a planning process was developed by the Residence and Dining Hall Auxiliary which paralleled the general funding planning model. A planning pool of approximately \$112,000 was established to fund auxiliary department requests for new program thrusts and/or improvements to existing programs. It was understood by all departments that each request must carefully reflect the short and long range goals instituted by the Vice President and Dean of Students.

A committee of auxiliary directors, chaired by Dr. Harter, was constituted to scrutinize the departmental requests. Committee evaluation of the various proposals included assessment of their contribution to increasing educational quality for residential students, the ability to increase income or reduce cost and the immediate and visible impact upon residential life. The meetings of the review committee resulted in a thorough study and review based upon the established criteria. (See attached list of approved program and project requests.)

prb
3/30/81

OHIO UNIVERSITY
RESIDENCE AND DINING HALL
CURRENT AUXILIARY FUND
1981-82 PROPOSED BUDGET
March 10, 1981

	1980-81 Trustee Approved Budget	1980-81 Revised Budget Sept. 1980	1981-82 Proposed Budget
Income			
Residence Halls	\$ 8,051,700	\$ 8,213,100	\$ 9,028,500
Dining Halls	<u>6,514,200</u>	<u>6,692,800</u>	<u>7,157,800</u>
Total Income	<u>14,565,900</u>	<u>14,905,900</u>	<u>16,186,300</u>
Operating Expenditures			
Residence Life	862,100	897,500	986,500
Director of Residence Services	162,400	162,400	174,100
Housing Office	232,300	232,300	249,500
Upholstery and Sewing Shop	127,800	119,600	129,200
Laundry	175,500	175,500	189,600
Housekeeping	1,817,600	1,986,800	1,994,600
Food Service	4,770,400	4,960,300	5,364,500
Direct Maintenance	874,400	874,400	944,400
Purchased Utilities	1,786,000	1,795,200	2,079,800
Capital Improvements	400,000	432,700	332,300
Other Administrative and Legal	119,800	98,000	105,800
General Fund Indirect Cost	1,070,500	1,085,500	1,168,100
Unemployment Compensation	58,900	58,900	63,600
Repair and Replacement Reserve	150,000	150,000	150,000
Other Contingencies	60,800	43,100	50,000
*New Program Pool	-	-	111,200
Total Operating Expenditures	<u>12,668,500</u>	<u>13,072,200</u>	<u>14,093,200</u>
Net Income from Operations	1,897,400	1,833,700	2,093,100
Interest on Debt Service Reserve	<u>357,900</u>	<u>287,600</u>	<u>287,600</u>
Total Net Income before Debt Service	2,255,300	2,121,300	2,380,700
Debt Service - Mandatory	<u>2,292,500</u>	<u>2,378,500</u>	<u>2,380,700</u>
Net Income (Deficit)	(37,200)	(257,200)	-
Beginning Fund Balance	<u>37,200</u>	<u>257,200</u>	<u>-</u>
Ending Fund Balance	<u>\$ - 0 -</u>	<u>\$ - 0 -</u>	<u>\$ - 0 -</u>

*See Attachment

WHEREAS, sustained effort has been made to achieve financial stability for Ohio University's dormitory and dining hall auxiliary while still providing necessary services for student residents, and

WHEREAS, the dormitory and dining hall auxiliary is legally obliged to budget for all operating expenses and debt service obligations by means of fees which are collected from students who use the residential and dining hall facilities, and

WHEREAS, the dormitory and dining hall auxiliary fund is experiencing additional expense due to inflation and service costs, a series of new rate structures has been developed for rooms, board, married student apartments, and other services which will generate additional revenue, and

WHEREAS, the executive officers of the University have reviewed and evaluated the recommended increases in conjunction with a proposed budget for the 1981-82 fiscal year, and have concluded that the rates are commensurate with projected costs of operation, they hereby recommend that the following rate changes be approved.

ROOM RATES - (QUARTERLY)

	<u>Current Rate</u>	<u>Proposed Rate</u>
Single	\$405.00	\$452.00
Single Staff	364.00	406.00
Double - Standard	327.00	365.00
Double - New South Green	364.00	406.00
Triple	272.00	303.00
Quad	307.00	342.00
Boyd Hall Large Single	415.00	463.00

BOARD RATES - (QUARTERLY)

	<u>Current Rate</u>	<u>Proposed Rate</u>
14-Meal flexible plan	\$323.00	\$350.00
20-Meal plan	346.00	375.00

MARRIED STUDENT APARTMENT RENTAL RATES - (MONTHLY)

Wolfe Street

<u>Apartment Type</u>	<u>Current Rate</u>	<u>Proposed Rate</u>
Efficiency, furnished	\$158.00	\$175.00
1 Bedroom, furnished	183.00	200.00
Bedroom, nursery, furnished	201.00	220.00
2 Bedroom, furnished	222.00	245.00

MARRIED STUDENT APARTMENT RENTAL RATES - (MONTHLY)

Mill Street

<u>Apartment Type</u>	<u>Current Rate</u>	<u>Proposed Rate</u>
1 Bedroom, unfurnished	\$205.00	\$225.00
1 Bedroom, furnished	231.00	255.00
2 Bedroom, unfurnished	243.00	265.00
2 Bedroom, furnished	268.00	295.00

WHEREAS, the 1981-82 budget incorporates Board of Trustee action on room and board rates for the next fiscal year, and

WHEREAS, the executive officers of the University have reviewed the financial premises and the 1981-82 budget and recommend its adoption,

NOW, THEREFORE BE IT RESOLVED that the Board of Trustees does hereby adopt the 1981-82 Residence and Dining Hall Fund Budget including rate increases dated April 11, 1981.

prb
3/13/81

ROOM AND BOARD RATES

	1980-81 Quarterly Rate	Total Increase	1981-82 Quarterly Rate
Standard Single Room	\$405.00	\$47.00	\$452.00
Single Staff Room	364.00	42.00	406.00
Standard Double Room	327.00	38.00	365.00
New South Green Double Room	364.00	42.00	406.00
Triple	272.00	31.00	303.00
Quad	307.00	35.00	342.00
Boyd Hall Large Single Room	415.00	48.00	463.00
Board - 14-Meal Flexible Plan	323.00	27.00	350.00
Board - 20-Meal Plan	346.00	29.00	375.00
<hr/>			
Linen Service	\$15.00	\$2.00	\$17.00
Garage Parking	35.00	3.00	38.00

MARRIED STUDENT APARTMENTS

Apartment Type	1980-81 Monthly Rental	Total Increase	1981-82 Monthly Rental
<u>Wolfe Street Apartments</u>			
Efficiency, furnished	\$158.00	\$17.00	\$175.00
One-Bedroom, furnished	183.00	17.00	200.00
Bedroom, Nursery, furnished	201.00	19.00	220.00
Two-Bedroom, furnished	222.00	23.00	245.00
<u>Mill Street Apartments</u>			
One-Bedroom, unfurnished	205.00	20.00	225.00
One-Bedroom, furnished	231.00	24.00	255.00
Two-Bedroom, unfurnished	243.00	22.00	265.00
Two-Bedroom, furnished	268.00	27.00	295.00

ATTACHMENT I

GENERAL STATEMENT RESIDENCE AND DINING HALL PLANNING PROCESS

During the course of the Winter Quarter a planning process was developed by the Residence and Dining Hall Auxiliary which parallels the general fund planning model. A planning pool of \$100,000.00 was established to fund auxiliary department requests for new program thrusts and/or improvements to existing programs. It was understood by all departments that each request must carefully reflect the short and long range goals instituted by the Vice President and Dean of Students in consultation with the planning group.

A committee of auxiliary directors, chaired by Dr. Harter, was constituted to scrutinize the departmental requests. Committee evaluation of the various proposals included assessment of their contribution to increasing educational quality for residential students, the ability to increase income or reduce cost, and the immediate and visible impact upon residential life through environmental or program enhancement. The meetings of the review committee resulted in a thorough study and review based upon the established criteria.

PROJECTS DESIGNATED FOR FUNDING:

Music Rooms on South and West Greens \$10,000.00

Because of the increasing number of students bringing musical instruments to campus, the development of soundproof areas in selected residence halls on the South and West Greens will benefit the residence halls and the entire resident population. Those with instruments will have a practice area that will insure respect of the rights of non-musicians in the buildings. Substantially increased requests from student musicians on all greens will be accommodated by this project.

South Green Shower Repairs \$10,000.00

Leaking South Green showers will be repaired helping to eliminate resident complaints and prevent damage to furnishings and equipment.

Eighty-two (82) Vacuum Cleaners for Loan to Students \$ 9,840.00

The Housekeeping Department will purchase eighty-two (82) vacuum cleaners for student use which will be allocated to the Residence Life Department for distribution. These vacuum cleaners will enhance the quality of residential life through encouraging students to better maintain their living environment. It is understood that inventory checks and identification of the machines will help prevent loss.

Awards and Recognition Banquets \$ 2,000.00

On a quarterly basis the Residence Life Department will recognize outstanding student achievements on each residential green through award and recognition banquets. These banquets will both recognize and promote responsible student contributions to the residential community and particularly emphasize academic achievement and effective student leadership.

Vali-Dine Series/4 System

\$17,859.00

The enhanced identification system will allow Ohio University to upgrade the present Food Service ID card system to tie in with the student data base; as a result the system will reduce student and staff inconvenience through the elimination of yearly photos and the establishment of a data interlink. Long term benefits and cost effectiveness are substantial.

Summer Grounds Program

\$10,000.00

Through the hiring of student employees, attention will be given to increased beautification of the grounds surrounding the residence halls and married student apartments. The addition of this student staff will permit the auxiliary to accomplish a wide variety of improvements to the grounds during the summer.

Replacement of Door Closers for All Greens

\$10,000.00

Door closers on all greens must be replaced for security and safety reasons. A heavy duty type of closer will better withstand the traffic use and ensure a higher degree of protection safety for each affected building.

South Green Stairwell Doors

\$ 7,500.00

One hundred twenty (120) New South Green stairwell doors are in such need of repair that replacement is necessary for both security and safety reasons. The door replacement will also enhance the physical environment by improving stairwell appearance.

All Campus Picnic

\$ 8,000.00

In order to enhance public relations and positive community feeling, Food Service will invite parents and students to an all campus picnic held the weekend prior to Fall opening. Depending on the menu selections, the picnic will involve a nominal fee or be free of charge to university-related participants.

Preventive Maintenance

\$13,000.00

Approximately \$750,000 in moveable dining hall equipment presently suffers without proper routine maintenance because our regular maintenance personnel have little or no time to perform preventive maintenance activities. Breakdowns of such equipment pose accident threats and cause inconvenience to both personnel and the student meal ticket holder. The hiring of a full-time Maintenance Repairman II will insure routine maintenance and handle repairs promptly.

General Statement - Residence and Dining Hall Planning Process - continued.

Purchase of Video Cassette Recorder and TV Projection System \$3,000.00

Programming in the residence halls will be enhanced through the purchase of a TV projection system and video cassette recorder. The high costs of film rentals will be alleviated and student groups will be able to purchase pre-recorded cassettes and use blank cassettes to record programs from regular television.

Residence Life Security Aide Program \$10,000.00

Recognizing the continuing concern for residence halls security it is recommended that the Residence Life Security Aide program be expanded. Specifically, the program shall modestly increase staff in order to provide additional coverage for Wednesday evenings and certain special weekends. A greater commitment to staff and duty hours will assist in preventing and ameliorating security difficulties.

Total Residence and Dining Hall Planning Pool ----- \$111,199.00

It is believed the projects that have been approved for funding will indeed enhance the quality of life for students in the residence halls. It is understood that the continuation of the planning pool is dependent upon the overall budget strength of the Residence and Dining Hall Auxiliary.

RAH:prb
3/13/81

4. APPROVAL OF PLANS AND
SPECIFICATIONS AND RECOMMENDATION
OF CONTRACT AWARD FOR THE
NATATORIUM REPLACEMENT
PROJECT

Mr. Baumholtz expressed particular pleasure in presenting the plan for approval. He invited Mr. Geiger to display the architectural rendering and area improvement plans, which members agreed would give a new face to this section of the campus.

President Ping reminded members that a foundation grant of \$300,000 had permitted the project to advance to this stage.

Mr. Baumholtz moved approval of the resolution. Mr. Bush seconded the motion. Approval was unanimous.

OHIO UNIVERSITY
INTER-OFFICE COMMUNICATION

DATE March 16, 1981

TO Gene Peebles, Vice President for Operations

FROM Alan H. Geiger, University Facilities Planner
and Director of Construction

A. Geiger

SUBJECT APPROVAL OF PLANS AND SPECIFICATIONS AND RECOMMENDATION OF CONTRACT
AWARD FOR THE NATATORIUM REPLACEMENT PROJECT

Final plans and specifications for the Natatorium Replacement Project have been prepared by Architect Carmichael. Dr. James Lavery, Director of Health, Physical Education, and Recreation and Harold McElhaney, Director of Intercollegiate Athletics have been involved in the preparation and review of these documents. Both of these individuals have involved appropriate members from their staffs throughout the process of developing these documents.

There is at the present time a great deal of uncertainty in the State of Ohio regarding estimated future construction costs. Assuming that State funding is forthcoming sometime during the Summer of 1981, our current estimate of cost is such that depending on who does the estimating, possible costs could exceed funds available. However, this current cost estimating situation is based on the uncertainty of the total amount of construction work to be undertaken in the state, when this construction work will begin, and the level of competition between prospective contractors. Jim Lavery, Harold McElahney and I have been conservative in our approach to this project and the development of these plans and specifications. My judgment is that little else can be eliminated from the project, if the project is to favorably impact upon the University now and in the future.

I therefore recommend to you that the Board of Trustees approve the enclosed Resolution and that we take our chances with the construction market once funding is available.

Thank you.

RESOLUTION 1981-- 568

WHEREAS, the Ohio University Board of Trustees did at their regular meeting on July 6, 1979, authorize the President or his designee, in consultation with the Budget, Finance, and Physical Plant Committee to recommend to the Department of Public Works the selection of an architectural consultant for the Natatorium Replacement Project, and

WHEREAS, the President did recommend the firm of Dan A. Carmichael, Architect, Columbus, Ohio, to serve as Project Architect, and

WHEREAS, committees from the Department of Health, Physical Education, and Recreation and Intercollegiate Athletics along with University officials did prepare facility program requirements for the project, and

WHEREAS, these program requirements have served as the basis for the development of project plans and specifications whose preparation was made possible by a Grant from the Nationwide Foundation, in order to shorten the time between a possible State appropriation and start of construction, and

WHEREAS, final plans and specifications are now ready for advertisement for bidding for the Natatorium Replacement Project,

NOW, THEREFORE, BE IT RESOLVED that the Ohio University Board of Trustees does hereby approve the final plans and specifications for the Natatorium Replacement Project.

AND, BE IT THEREFORE RESOLVED that the Ohio University Board of Trustees does hereby authorize the advertisement for and receipt of construction bids for the Natatorium Replacement 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 Department of Public Works construction bids received for the Project provided total bids do not exceed available funds.

5. CAPITAL IMPROVEMENT BUDGET
REQUESTS FOR THE 1981-1987
PLANNING PERIOD FOR THE
ATHENS AND REGIONAL
CAMPUSES

Mr. Spencer moved approval of the resolution. Mr. Taylor seconded the motion. Approval was unanimous.

OHIO UNIVERSITY
INTER-OFFICE COMMUNICATION

DATE April 1, 1981

TO Charles J. Ping, President

FROM Gene Peebles, Vice President for Operations *GP*

SUBJECT Capital Improvement Budget Requests for the 1981-1987 Planning
Period for the Athens and Regional Campuses

The policies and criteria issued on March 4, 1981 by Mr. Edward Q. Moulton, Chancellor of the Ohio Board of Regents, for preparation of the Capital Improvement Requests for the six year period beginning July 1, 1981, suggested that projects be presented in compliance with the following priorities:

First Priority - Maintain and Preserve Existing Facilities

The highest priority of the Board of Regents is to maintain existing facilities that are necessary for the ongoing programs of our institutions. The correction of health and safety hazards in our current facilities must be addressed first. The second type of project within the first priority is that which will prevent the further deterioration of facilities - such as roof repairs. Also included within the first priority are those projects which will make a facility more efficient such as energy conservation projects, utility upgrades and facility renovations which will improve maintenance and utilization.

Legal or contractual obligations which require a capital expenditure will also be considered in the first priority.

Second Priority - Replacement of Current Facilities

Replacement facilities will be considered if there is absolutely no alternative space on campus and if the affected program is essential to the institution. The institution will also have to demonstrate that renovation costs are prohibitive and that there will be a long-term need for the facility.

Third Priority - New Facilities

New facilities will be considered if all other options, including the use of neighboring campuses, have been proven unworkable. In addition, the institution must have an established record of efficient use of facilities and also have the funds available for operating the proposed facility. The demand for the facility would also have to be justified programmatically and through long-term enrollment projections.

General Criteria

When evaluating capital improvement requests, the Board of Regents will emphasize the following:

- . Conservative Architectural Design
- . Provision for General Classrooms Rather Than Special Use Facilities Whenever Possible
- . Multiple Use Space
- . Application of OBR Space Guidelines

The attached list of preliminary capital improvement projects has been identified from the Space Utilization and Management Study by Richard Fleischman Architects, Inc. of Cleveland, the Utilities Distribution Study by H.A. Williams and Associates of Columbus, and information in the University Planning Office and classifies all such projects into the three basic categories for determination of priority by three separate two-year requests during the six year period under review.

Also attached is the suggested resolution for the April 11, 1981 meeting of the Board of Trustees providing the authority to work with the Budget, Finance and Physical Plant Committee in finalizing the Capital Improvement Request for 1981-1987.

GP:1fw
 Attachments
 xc: Mr. Alan H. Geiger

RESOLUTION 1981--569

WHEREAS, the University must submit to the Regents a Capital Improvement Budget Request for the six year planning period 1981-1987 for the Athens and Regional Campuses, and

WHEREAS, the University Space Advisory Committee has reviewed the preliminary projects to be included in the capital request for general university Athens Campus programs, and

WHEREAS, the University Planning Advisory Council will review and comment on the requests for general university Athens Campus programs herein listed.

NOW, THEREFORE, BE IT RESOLVED that the Ohio University Board of Trustees does hereby authorize the President or his designee, in consultation with the Budget, Finance and Physical Plant Committee, to finalize the Capital Improvement Request for the six year period July 1, 1981 through June 30, 1987.

OHIO UNIVERSITY
ATHENS CAMPUS

I. Capital Improvement Requests that are urgent to maintain and preserve existing facilities during the 1981-1987 planning period:

<u>Priority Number</u>	<u>Project Name</u>	<u>Total Cost</u>
1	Hocking Conservancy District Assessment	\$ 1,500,000
2	Utility Tunnel Loop Completion, Clippinger to Morton Hall	2,000,000
3	Roof Replacement, Grover Center, Tupper Hall, Kantner Hall, Baker Center, and Lasher Hall	575,000
4	President Street Tunnel Repair and Replacement	1,250,000
5	Park Place - Mulberry Street Tunnel Repair and Replacement	1,575,000
6	Completion of Richland Avenue Tunnel at Porter Hall	300,000
7	Chilled Water Inter-Connections (Energy Conservation Measures) Ellis and Alden, and Bentley and Copeland	150,000

II. Capital Improvement Requests that are essential to continue the institution's role and mission during the 1981-1987 planning period:

<u>Priority Number</u>	<u>Project Name</u>	<u>Total Cost</u>
1	Engineering Complex	\$11,725,000
2	Natatorium Replacement	4,725,000
3	Replacement of obsolete Chemistry Building, Clippinger Remodeling	2,800,000
4	Carnegie and Morton Hall Renovation	1,000,000

5	Memorial Auditorium Renovation	6,500,000
6	Porter Hall Renovation	3,000,000
7	Copeland Hall Addition and Renovation	2,500,000
8	Kantner Hall Renovation	2,250,000
9	McBee #2 Building Replacement	3,200,000
10	Baker Center, Lindley Hall, Hudson Health Center, Bentley Hall Renovations, Seigfred Hall Addition and Remodeling	4,000,000
11	Ellis Hall Renovation	2,500,000
12	McCracken Hall Renovation	3,000,000
13	McGuffey Hall Renovation	900,000

III. Capital Improvement Requests that address the changing needs of the institution during the 1981-1987 planning period:

<u>Priority Number</u>	<u>Project Name</u>	<u>Total Cost</u>
1	Parks Hall Renovation - Ambulatory Clinic	3,000,000
2	Clinical Teaching Facility, Doctors Hospital, Columbus, Ohio	2,000,000
3	Clinical Teaching Facility, Brentwood Hospital, Warrensville Heights - Cleveland, Ohio	2,000,000
4	Clinical Teaching Facility, Grandview Hospital, Dayton, Ohio	2,000,000
5	James Hall Renovation	5,750,000
6	Youngstown Osteopathic Hospital	300,000
7	Physical Plant Buildings Replacement	5,500,000
8	Lasher Hall Renovation	500,000

OHIO UNIVERSITY
REGIONAL CAMPUSES

I. Capital Improvement Requests that are urgent to maintain and preserve existing facilities during the 1981-1987 planning period:

<u>Priority Number</u>	<u>Project Name</u>	<u>Total Cost</u>
1	Roof Replacement: Shannon Hall - Belmont, Bennett Hall - Chillicothe, and Elson and Herrold Halls - Zanesville	\$ 900,000
2	Energy Conservation Modifications and Improvements - Belmont, Chillicothe, Lancaster, and Zanesville Campuses	500,000
3	Parking Lot Drainage Improvement and Replacement - Belmont Campus	250,000

II. Capital Improvement Requests that are essential to continue the institution's role and mission during the 1981-1987 planning period:

<u>Priority Number</u>	<u>Project Name</u>	<u>Total Cost</u>
1	New Facility and Life Long Learning Center - Ironton Campus	4,000,000
2	Site Improvements - Zanesville Campus	150,000
3	Equipment Acquisition - Chillicothe Campus	250,000
4	Shannon Hall Renovation - Belmont Campus	500,000
5	Site Improvements and Athletic Facilities - Lancaster Campus	250,000
6	Bennett Hall Renovation - Chillicothe Campus	250,000

III.

Capital Improvement Requests that address the changing needs of the institution during the 1981-1987 planning period:

<u>Priority Number</u>	<u>Project Name</u>	<u>Total Cost</u>
1	Site Improvements - Chillicothe Campus	\$ 250,000
2	Parking Lot Addition - Zanesville Campus	250,000
3	Athletic Fields and Related Improvements - Belmont Campus	250,000
4	Brasee Hall Gymnasium Air Conditioning - Lancaster Campus	125,000

B. EDUCATIONAL POLICIES COMMITTEE MATTERS

1. EMERITUS AWARDS

Mr. Rohr moved approval of the resolution. Mr. Baumholtz seconded the motion. Approval was unanimous.

RESOLUTION 1981--570

WHEREAS, the following individuals have rendered dedicated and outstanding service to Ohio University, and

WHEREAS, their colleagues and deans have recommended action to recognize this service,

THEREFORE, BE IT RESOLVED that emeritus or emerita status be awarded to the following individuals upon their retirement:

Russell N. Baird - Professor Emeritus of Journalism

Elsie D. Helsel - Associate Professor Emerita of Curriculum and Instruction

Lester C. Mills - Professor Emeritus of Curriculum and Instruction

Ray Skinner, Jr. - Professor Emeritus of Curriculum and Instruction

Gilbert A. Stephenson - Professor Emeritus of Curriculum and Instruction

OHIO UNIVERSITY
INTER-OFFICE COMMUNICATION

DATE March 10, 1981

TO James Perotti, Associate Provost

FROM John Wilhelm, Dean, College of Communication

SUBJECT EMERITUS STATUS RECOMMENDATION - PROFESSOR RUSSELL BAIRD

I recommend that emeritus status be conferred upon Professor of Journalism, Russell N. Baird, at the time of his retirement on June 30, 1981.

Professor Baird joined Ohio University on September 1, 1952, as an assistant professor of journalism, and has served as a member of the University faculty for 29 years, rising to the rank of full professor.

He has been an outstandingly successful member of the faculty, both in his teaching skill, in his leadership in the School of Journalism (where he has chaired numerous important committees), and in guidance to both students and colleagues. His opinions are sought and respected.

Professor Baird has published several very successful textbooks, one of which -- GRAPHICS OF COMMUNICATION, with co-author A. T. Turnbull -- is the leading textbook in the field.

He chaired a search committee for a new director in journalism, and is currently a member of the Search Committee for a dean in the College of Communication. Always, he acquits himself with seriousness and responsibility.

For these reasons and others, I recommend emeritus status for Russell Baird.

Interoffice Communication

Date: March 18, 1981

To: Allen Myers, Dean, College of Education

From: Seldon D. Strother, Director, School of Curriculum and Instruction *SDS*

Subject: Granting Emeritus Status To Dr. Elsie D. Helsel

In June 1981, Dr. Elsie D. Helsel, Associate Professor, will retire from Ohio University after seven years productive service.

Dr. Helsel has served as a moving force to get things done. She has exhibited the ability to go after State and Federal funding and to be successful in her efforts.

She has gained considerable positive visibility for herself and Ohio University as a member of several state and national councils, committees and professional groups.

Elsie is responsible for designing, developing and directing the Center for Human Development at Ohio University. She has devoted much attention to this active program and has been very successful in recruiting staff and getting grant support to provide for the continuation of the Center.

The duties associated with the Center, grants and professional activities have served to restrict the amount of teaching Dr. Helsel has done. However, she has conducted many workshops, and taught courses. Elsie has highlighted courses or workshops by bringing a series of very effective guest speakers and assisting personnel to the student participants, thereby providing a fine experience for the students.

Dr. Helsel has proven her ability to publish and serve as a speaker at professional conferences.

In our judgment Dr. Helsel has demonstrated sufficient professional service and dedication to Ohio University to be granted Emeritus Status. Therefore, with faculty support, Dr. Elsie D. Helsel is recommended for Emeritus Status.

Approved ☒

Disapproved ☐

Allen Myers
Allen Myers, Dean, College of Education Date 3/18/81

Approved ☒

Disapproved ☐

Neil S. Bucklew
Neil S. Bucklew, Provost Date 3/23/81

Interoffice Communication

Date: March 17, 1981

To: Allen Myers, Dean, College of Education

From: Seldon D. Strother, Director, School of Curriculum and Instruction *SDS*

Subject: Emeritus Status for Dr. Lester C. Mills

After twenty-one years of service Dr. Lester C. Mills, Professor, will be retiring from Ohio University in June, 1981. Lester has distinguished himself at Ohio University in the areas of teaching/advising, scholarly accomplishments, and service on committees.

Lester has published, served as a consultant and reviewer for publishers, provided service beyond the call of duty on School, College and University Committees, and served as advisor to Kappa Delta Pi, Educational Honor Society for several years.

Dr. Mills is held in high esteem by his colleagues and students which can be attested to by average and above average peer ratings (Salary, Tenure, Promotion Committee) and positive evaluations of his teaching performance by students.

Lester has been active in numerous science oriented professional associations at local, state and national levels.

The faculty supports this recommendation of Emeritus Status for Dr. Lester C. Mills, Professor of Education.

Approved ✓

Disapproved _____

Allen Myers

Allen Myers, Dean, College of Education

Date 3/18/81

Approved ✓

Disapproved _____

Neil S. Bucklew

Neil S. Bucklew, Provost

Date 3/23/81

Interoffice Communication

Date: March 18, 1981

To: Allen Myers, Dean, College of Education

From: Seldon D. Strother, Director, School of Curriculum and Instruction *SDS*

Subject: Emeritus Status for Dr. Ray Skinner, Jr.

Dr. Ray Skinner, Jr. retired following fourteen years of service to Ohio University in June 1980. Dr. Skinner established himself as one of the most enthusiastic and innovative faculty members in the College of Education. He had many and varied professional interests which he pursued in his teaching, professional writing and service activities with school and community groups.

Dr. Skinner has given an extraordinary amount of service to his profession both within the College of Education and in school related activities throughout Ohio.

Ray participated in a great number of innovative programs such as the Sophomore Block, National Science Foundation Programs, Teaching Festival, Hocking Watershed Project, and the Junior Science and Humanities Symposium. Many of these have been interdisciplinary in nature and it is well documented that professional colleagues representing various disciplines with whom he has worked speak highly of him and his work.

Dr. Skinner has taught a wide range of courses and received very favorable evaluations from students.

He has an outstanding record of publications and funded projects; particularly when one considers the time given to program development, teaching and service.

We, the faculty in the School of Curriculum and Instruction, support the recommendation of Emeritus Status for Dr. Ray Skinner, Jr.

Approved ✓

Disapproved _____

Allen Myers
Allen Myers, Dean, College of Education

Date 3/18/81

Approved ✓

Disapproved _____

Neil S. Bucklew
Neil S. Bucklew, Provost

Date 3/23/81

SDS/lr

Interoffice Communication

Date: March 17, 1981

To: Allen Myers, Dean, College of Education

From: Seldon D. Strother, Director, School of Curriculum and Instruction *SDS*

Subject: Recommendation For Emeritus Status For Gilbert Stephenson

Dr. Gilbert Stephenson, Professor of Education, will retire from Ohio University, June, 1981. He has been a concerned, dedicated, and student oriented faculty person for twenty-six years.

Gilbert has served the university in the capacity of Vietnam Secondary Education Project Coordinator; supervision of student teachers, and professor/academic advisor. He has provided yeoman service on School, College and University Committees.

Student evaluations of Dr. Stephenson's performance have been positive over the years and he is held in high esteem by his colleagues.

We, the Colleagues of Dr. Stephenson in the School of Curriculum and Instruction, unanimously recommend him for Emeritus Status.

Approved ✓

Disapproved _____

Allen Myers Date 3/18/81
Allen Myers, Dean, College of Education

Approved ✓

Disapproved _____

Neil S. Bucklew Date 3/23/81
Neil S. Bucklew, Provost

SDS ls

2. RATIFICATION OF FACULTY FELLOWSHIP AWARDS

Mrs. D'Angelo moved approval of the resolution. Mr. Taylor seconded the motion. Approval was unanimous.

RESOLUTION 1981--571

WHEREAS, the proposed University Faculty Fellowships on the attached lists have been reviewed in accordance with University policy and found to be meritorious,

THEREFORE, BE IT RESOLVED that the attached University Faculty Fellowships for 1981-82 are approved.

BE IT FURTHER RESOLVED that the Provost can approve changes in the conditions of the Fellowships but not the total number of Fellowships.

In response to a question by Mr. Bush, Provost Bucklew explained that in 1977 the Board had determined that as a general guideline the University annually would award leaves to 5-6 per cent of Group I faculty. This would have permitted 46 to be approved instead of 29. Awards, he said, are competitive.

FACULTY FELLOWSHIPS - 1981-82

<u>NAME</u>	<u>DEPARTMENT</u>	<u>LEAVE DATES</u>	<u>PURPOSE</u>
Mary Manusos	Art	Fall, Winter, Spring	Producing two dimensional art based on Mexican culture.
Dan Williams	Art	Fall, Winter, Spring	To do a photographic study of small, rural, pre-dominantly black communities in Appalachia.
Richard Wetzel	Music	Spring	Writing a monograph on the life and works of composer William Cumming Peters and pursuing post-doctoral study in musicology.
Pat Welling	Dance	Winter, Spring	To complete certification from the Dance Notation Bureau by researching contemporary dance as performed in New York City.
Thomas Sweeney	SABSEL	Fall	To develop a new television series proposal and to study life-style assessment for application in counseling.
Ralph Kliesch	Journalism	Winter, Spring	To assist the Secretary of State develop journalism programs in Portugal's Universities.
H. Benne Kendall	Chemical Engineering	Winter	To study the new catalytic processes by serving as "Visiting Engineer" at a large modern oil refinery.
James Cox	Accounting & Q.M.	Winter, Spring	To prepare for teaching the tax courses by interning with the tax department of a major accounting firm.
Charles D'Augustine	Accounting	Fall, Winter, Spring	To complete requirements for CPA license by interning with a major accounting firm.
William Voss	Accounting & Q.M.	Spring	To do research in the history of accounting specifically the study of Medieval accounting records.

<u>NAME</u>	<u>DEPARTMENT</u>	<u>LEAVE DATES</u>	<u>PURPOSE</u>
Douglas K. Adie	Economics	Fall, Winter	To study the effect on major financial institutions of abandoning the gold standard by interviewing executives of financial firms in Chicago and New York.
Hale R. Arkes	Psychology	Fall, Winter, Spring	To conduct research on decision making and judgment processes at a research center connected with the University of Oregon.
Nancy Bain	Geography	Spring	To utilize a new research tool, risk compensation modeling, to assess how Appalachian communities weigh the risks of hazardous waste sites.
James G. Chastain	History	Winter, Spring	To prepare a bibliography of Karl Ludwig Bernays, a radical German-American journalist and close associate of Karl Marx.
Michael Corrado	Philosophy	Fall, Winter, Spring	To complete a specialization in The Philosophy of Law by acquiring a J.D. degree at Harvard or University of Chicago.
Paul Deuster	Economics	Fall, Winter, Spring	To research latest statistical methods and to prepare five articles for publication.
Peter Griffiths	Chemistry	Fall, Winter, Spring	To conduct research on chemical separation at the University of Arizona where they are developing new chromatographic techniques.
Peter Heidtmann	English	Winter, Spring	To prepare a critical study of Loren Eiseley by showing how the real person differs from the image conveyed in the autobiography.
Joy Huntley	Political Science	Fall	To complete a manuscript entitled: <u>On The Outside Looking In: The Politics of Appalachia.</u>

<u>NAME</u>	<u>DEPARTMENT</u>	<u>LEAVE DATES</u>	<u>PURPOSE</u>
Charles E. Miller	Botany	Fall, Winter Spring	Conduct research on Plasmodiophoraceous, fungal parasites of vegetable crops and aquatic fungi.
Abelardo Moncayo	Modern Language	Spring	To write the final draft of a book on Cervantes' <u>Don Quixote</u> .
Gary M. Schumacher	Psychology	Winter, Spring	To study at the Open University and Cambridge University in England the effects of text design on reading comprehension.
Robert K. Shelly	Sociology & Anthropology	Fall, Winter, Spring	To test the relationships between social status and interpersonal feelings on small group behavior.
Edward Stone	English	Winter, Spring	To supplement a Fulbright Program in Budapest by studying the Hungarian culture in preparation for another book.
Gerald E. Svendsen	Zoology/Microbiology	Winter, Spring	To perform research in Sweeden and Peru on animal behavior regarding character displacement as a way to reduce competition between males and females.
Harold R. Swardson	English	Winter, Spring	To prepare a manuscript about sentimentality in literature and its philosophical foundation in the New Criticism.
Alex Thio	Sociology & Anthropology	Fall, Winter, Spring	While in China to develop a "Chinese Society" course and to prepare a manuscript on deviant behavior.
William Wood	Sociology & Anthropology	Fall, Winter, Spring	To research the effects of irrigation on the agriculture of Indonesia as a way to understand the impact of technology on dense population.
Louis Wright	Physics	Fall, Winter, Spring	To do research in theoretical nuclear physics at the Institute for Nuclear Physics at Mainz Univ.

3. APPROVAL OF HONORARY DEGREES

Mr. Taylor moved approval of the resolution. Mr. Spencer seconded the motion. Approval was unanimous.

RESOLUTION 1981--572

WHEREAS, the University Committee on Honorary Degrees has recommended that Ohio University honor the persons listed below through the conferral of an honorary degree, and

WHEREAS, it remains for the President to determine whether these persons wish to accept the award,

THEREFORE, BE IT RESOLVED that the degrees recommended be conferred at appropriate times in the future after the President has determined that the persons recommended wish to be so honored.

John Janeway Conger	Doctor of Science
Harold W. McGraw, Jr.	Doctor of Humane Letters
Philip Handler	Doctor of Science
George V. Voynovich	Doctor of Laws

HONORARY DEGREE - NOMINATING FORM

In order to act on a nomination the Honorary Degrees Committee needs all pertinent information about the nominee. Please supply as much information as possible. Whenever possible supporting data should be attached separately.

Name of Nominee: John Janeway Conger

Place and Date of Birth: New Brunswick, New Jersey, February 27, 1921

Position: Professor, Department of Psychiatry, University of Colorado School of Medicine. Vice President & Director Health Program MacArthur Foundation

1. Academic Degrees Earned and Institutions Granting Them:

Amherst College B.A.

Yale University M.S.

Yale University Ph.D.

2. Honorary Degrees and Institutions Granting Them:

None to my knowledge

3. Vocations Experience:

U.S. Navy Commanding Officer, DE 532 (U.S. Tweedy)

Faculty in Departments of Psychology, Psychiatry - Indiana University 1949-53

Chief Psychologist, U.S. Naval Academy (1951-52)

Professor & Head Division of Clinical Psychology, Dept. of Psychiatry, University of Colorado 1953-63, School of Medicine

Associate Dean, University of Colorado School of Medicine, 1961-63

Vice President for Medical Affairs, Dean-Univ. of Colorado School of Medicine 1963-70

Fellow, Center for Advanced Study in the Behavioral Sciences, Stanford 1970-71

Visiting Scholar Institute of Human Development, Univ. of Calif., Berkeley 1978-79

Vice President & Director of Health Program, MacArthur Foundation, 1980-

4. Other Experience or Activities Relevant to Nomination:

President Elect, American Psychological Association, 1979

Member, National Advisory Council, The Hogg Foundation for Mental Health, 1979-

Member, President's Commission on Mental Health, 1977-78

Member, Comm. on a Study of National Needs for Biomedical & Behavioral Research

Personnel, National Research Council, National Academy of Sciences, 1976-

Member, Alcohol Research Review Committee, Dept. of HEW, 1976-80

Consultant on Adolescence, Childrens TV Playhouse, PBS, 1975

Board of Directors, Young Audiences, 1974-

Chairman, Research Committee, Mental Health Assoc. of Colorado, 1973

Member, Presidential Task Force on Highway Safety, 1969-70

Member, Injury Control Task Force, U.S. Public Health Service, 1967

Member, National Advisory Comm., John F. Kennedy Center for Research on Education and Human Development, 1965-67; chairman 1971-74.

See vita for additional

5. Important Publications:

- 1) Effects of alcohol on conflict behavior in the albino rat, Quart. J. Stud. Alc., 1951, 12, 1-29. (Reprinted in Bobbs-Merrill Reprint Series in the Social Sciences, p77)
- 2) An experimental investigation of the role of psy. factors in the production of gastric ulcers in rats, J. Comp. Physiol. Psychol., 1956, 49, 452-461.
- 3) The role of social experience in the production of gastric ulcers in hooded rats placed in a conflict situation, J. Abn. Soc. Psychol., 1958, 214-219.
- 4) One of largest selling child and adolescent texts of all time
- 5) Reinforcement theory and the dynamics of alcoholism, Quart. J. Stud. Alc. 1956, 17, 291-324.

6. Membership in Learned Societies. Professional Associations, Civil Organizations:

Fellow, American Psychological Association

Fellow, American Association for the Advancement of Science

American Association of Medical Colleges

President, Colorado Psychological Association

Midwestern Psychological Association

Rocky Mountain Psychological Association

Denver Psychoanalytic Society

7. Significant Honors Attained:

President, American Psychological Association

Phi Beta Kappa, Sigma Xi

Certificate of Merit, U.S. Navy

Distinguished Service Award, Colorado Psychological Association

Distinguished Service Awards, Denver and Colorado Medical Societies,

Colorado Dental Society

Lifetime Honorary Member, Colorado Association for Retarded Children

Robert L. Stearns Award for Extraordinary Service, Associated Alumni,

University of Colorado

American Board of Examiners in Professional Psychology award for distinguished service to psychology and the nation.

8. Exceptional Achievements or Contributions:

Several important and key articles in areas of the influence of alcohol on

behavior and psychological and social factors influencing physical health.

Vice President for Medical Affairs of one of the country's most prestigious

medical schools.

President of American Psychological Association

Has served on numerous presidential panels and commissions,

Co-authored one of the most popular child psychology books ever published.

9. Special Relationship to Ohio University:

Nominated to serve on College of Arts & Sciences Board of Visitors

10. Other Sources of Information Which Could be Consulted About the Nominee:

Dr. Thomas Creer, Director of Clinical Training, Psychology Department,

Ohio University.

Jerome Kagan, Professor of Psychology, Harvard University.

11. Personal Evaluation of Nominee:

Dr. John Conger has played a key role in the field of psychology over the past two decades. He has published some articles which have had a significant impact on the field. He has served in several major administrative posts and has done an excellent job at them. In large part because of these excellent contributions he was elected to the presidency of the American Psychological Association. His contributions go beyond psychology, however, into the areas of health and safety. Because of his expertise in these areas he was asked to take the MacArthur Foundation's top health post. This foundation gives approximately \$10 million dollars annually in the health area alone. Dr. Conger is an extraordinary man who has served his discipline and the country in a way that can only be described as excellent. I feel he would be a worthy recipient of an honorary degree.

Nominator's Name Gary M. Schumacher

Address Ohio University, Psychology Department

Phone Number 594-5964

Return to Art Marinelli

217 Copeland Hall

Ohio University

Athens, Ohio 45701

C U R R I C U L U M V I T A E

John Janeway Conger

a. Personal History:

Birthdate: February 27, 1921 Place of Birth: New Brunswick, New Jersey

Health: Good

Marital Status: Married, two children

b. Education:

Amherst College 1939-1943 B.A. 1943 Psychology, Magna cum Laude

Yale University 1946-1947 M.S. 1947 Clinical Psychology

Yale University 1947-1949 Ph.D. 1949 Abnormal and Clinical Psychology

c. Military Service:

Apprentice Seaman, Ensign to Lt., USNR, aboard Destroyer Escorts, Atlantic Fleet, February 1943 - January 1946. Last billet: Commanding Officer, DE 532 (USS Tweedy). Also see below.

c. Professional Experience:

Graduate student, Yale University, 1946-1949. M.S., 1947; Ph.D., 1949. University Fellow, Junior Sterling Fellow. Major: Abnormal psychology. Minor: Social psychology. Major professor: John Dollard. Thesis supervisor: Neal Miller. Sigma Xi.

Assistant Professor of Psychology, Graduate School, Indiana University, 1949-1950.

Assistant Professor Psychology, and Director, Psychological Research, Department of Psychiatry, Indiana University School of Medicine, 1950-1953.

Chief Psychologist, U. S. Naval Academy, Annapolis. Md. (on leave), 1951-1952. Administrative Officer, Department of Psychiatry, Neurology and Clinical Psychology, Navy Medical Research Institute, Bethesda, Md., and script writer, mental health training films, 1952.

John Janeway Conger
Curriculum Vitae p. 2

Chief Psychologist, Veterans Administration Hospital, Indianapolis, in conjunction with Indiana University Medical School, 1952-53.

Professor and Head, Division of Clinical Psychology, Department of Psychiatry, University of Colorado School of Medicine, 1953-63.

Associate Dean and Professor of Clinical Psychology, University of Colorado School of Medicine, 1961-63.

Vice-President for Medical Affairs, Dean, and Professor of Clinical Psychology, University of Colorado School of Medicine, 1963-70.

Vice-President for Medical Affairs and Professor of Clinical Psychology, 1968-70.

Fellow, Center for Advanced Study in the Behavioral Sciences, Stanford, 1970-71.

Professor, Division of Clinical Psychology, Department of Psychiatry, University of Colorado School of Medicine, 1971-

Visiting Scholar, Institute of Human Development, University of California, Berkeley, 1978-79.

Vice-President and Director, Health Program, The John D. and Catherine T. MacArthur Foundation, Northbrook, Illinois, 1980-

e. Committees and Consultancies:

President-Elect, American Psychological Association, 1979.

Consultant on Mental Health, John D. & Catherine T. MacArthur Foundation, 1979-

Member, National Advisory Council, The Hogg Foundation for Mental Health, 1979-

Member, President's Commission on Mental Health, 1977-78.

Member, Publications Committee, Society for Research in Child Development, 1977-

Member, Committee on a Study of National Needs for Biomedical and Behavioral

Research Personnel, Commission on Human Resources, National Research Council, National Academy of Sciences, 1976-

Member, Alcohol Research Review Committee, National Institute on Alcohol Abuse and Alcoholism, Department of Health, Education, and Welfare, 1976-1980.

Consultant to Dean, Uniformed Services University of the Health Sciences, 1976.

Member, Panel on Behavioral Sciences, Commission on Human Resources, National Research Council, National Academy of Sciences, 1975-79.

Consultant on Adolescence, Children's TV Playhouse, PBS, 1975.

Board of Directors, Young Audiences, 1974-

Recording Secretary and Member, Board of Directors, American Psychological Assn., 1974-

Consultant, National Institute of Child Health & Human Development, 1973.

Chairman, Research Committee, Mental Health Association of Colorado, 1973.

Advisory Board, SEED Program, Sewall House, 1973-

Board of Trustees, Mt. Airy Foundation, 1972-79.

Board of Trustees, Denver Children's Home, 1972-78.

Member, Program Committee, Society for Research in Child Development, 1972;
Chairman, 1974-75.

- Member, Presidential Task Force on Highway Safety, 1969-1970.
- Member, Advisory Committee on Undergraduate Medical Education, Council on Medical Education, American Medical Association, 1969-
- Secretary, Board of Trustees, Organization of University Health Center Administrators, 1969-1970.
- Member, Advisory Committee to the Automobile Insurance & Compensation Study, Department of Transportation, 1969-1970
- Member, Advisory Panel on Research in Driver Education, Highway Research Board, National Academy of Sciences, 1968
- Member, Policy & Planning Board, American Psychological Association, 1967-1970
- Member, Governor's Committee on Comprehensive Health Services, 1967-1970.
- Member, Inter-Council Committee on Construction of University-affiliated Facilities for the Mentally Retarded, Dept. of Health, Educ. & Welfare, 1967-70.
- Member, Injury Control Task Force, U.S. Public Health Service, 1967
- Vice-chairman, National Motor Vehicle Safety Advisory Council, Department of Transportation, 1967-1970.
- Member, Secretary's Advisory Committee on Traffic Safety, Dept. of Health, Educ. & Welfare, 1966-1968
- Vice-President, Board of Trustees, Center for Continuing Medical Education, New York City, 1966-
- Member, Board of Directors, Colorado Heart Association, 1966-1970
- Member, Council on Research & Planning, American Hospital Assoc., 1965-1968
- Member, National Advisory Mental Health Council, U.S. Public Health Serv., 1965-69.
- Member, National Advisory Committee, John F. Kennedy Center for Research on Education and Human Development, 1965-1977; chairman, 1971-1974
- Editorial Board, Journal of Medical Education, 1965-1970; Traffic Safety Research Review, 1963-1968
- Consultant, Division of Hospital & Medical Facilities, Dept. of Health, Educ., and Welfare, 1964-
- Member, Scientific Advisory Council, Children's Asthma Research Institute & Hospital, 1962-
- Member, Editorial Board, Encyclopedia of Problems of Alcohol, 1962-64
- Vice-Chairman, Colorado State Board of Psychologist Examiners, 1961-1964
- Member, Committee on Road User Characteristics, Highway Research Board, National Research Council (National Academy of Sciences), 1960-1965
- Chairman, Research Committee, The President's Committee for Traffic Safety, Washington, D. C., 1960-1963
- Consultant, Community Services Branch, USPHS, 1959-1968
- Member, Training Committee, National Institute of Mental Health, U.S. Public Health Service, 1959-1962 (Chairman, Subcommittee on Psychology, 1962)

Member, Western Council on Mental Health Research and Training, Western Interstate Commission on Higher Education, 1959-1966
Special Consultant, Division of Research Grants, NIMH, 1959-1961
Chairman, Mental Health Advisory Council, Colorado Department of Public Health, 1957-1961
Member, Governor's Committee on Mental Health, Colorado, 1957
Chairman, Professional Advisory Group, Colorado Mental Health Association, 1953-1954
Consultant, Bureau of Aeronautics, and Bureau of Medicine and Surgery, Department of the Navy (mental health films), 1952-1954

f. Professional Affiliations:

Fellow, American Psychological Association (Council of Representatives, 1959-1961; Program Committee, 1960-1961; Ad Hoc Committee on Accreditation, 1960-1961, Policy and Planning Board, 1967-70), 1949-
Midwestern Psychological Association, 1949-1954
Colorado Psychological Association, (President, 1958-1959), 1953-
Rocky Mountain Psychological Association, 1953-
Fellow, American Association for the Advancement of Science, 1959-
American Association of Medical Colleges, 1962-
Denver Psychoanalytic Society, 1964-

g. Honorary:

Phi Beta Kappa
Sigma Xi
Certificate of Merit, U.S. Navy, 1966
Distinguished Service Award, Colorado Psychological Association, 1966
Alpha Omega Alpha (Honorary), 1966
Distinguished Service Awards, Denver & Colorado Medical Societies, Colorado Dental Soc.
Lifetime Honorary Member, Colorado Association for Retarded Children
Robert L. Stearns Award for Extraordinary Service, Associated Alumni, University of Colorado, 1970
American Board of Examiners in Professional Psychology award for distinguished service to psychology and the nation, 1979

h. Publications:

Books

Child Development and Personality (with P. H. Mussen), New York: Harper, 1956.

Child Development and Personality (with P. H. Mussen & J. Kagan), 2nd revised edition. New York: Harper & Row, 1963.

Readings in Child Development and Personality (with P. H. Mussen & J. Kagan). Harper & Row, 1965.

Personality, Social Class, and Delinquency (with W. C. Miller). New York: Wiley, 1966.

Child Development and Personality (with P. H. Mussen & J. Kagan), 3rd revised edition. New York: Harper & Row, 1969.

Readings in Child Development and Personality (with P. H. Mussen & J. Kagan), 2nd revised edition. New York: Harper & Row, 1970.

Adolescence and Youth: Psychological Development in a Changing World, 2nd revised edition. New York: Harper & Row, 1977.

Child Development and Personality (with P. H. Mussen & J. Kagan), 4th revised edition. New York: Harper & Row, 1974.

Basic and Contemporary Issues in Developmental Psychology (with P. H. Mussen & J. Kagan). New York: Harper & Row, 1975.

Contemporary Issues in Adolescent Development. New York: Harper & Row, 1975.

Child Development and Personality (with P. H. Mussen & J. Kagan), 5th revised edition. New York: Harper & Row, 1979.

Adolescence: Generation Under Pressure. London, New York: Multimedia/Harper & Row, 1979.

Psychological Development: A Life-Span Approach (with P. H. Mussen, J. Kagan, & J. Geiwitz). New York: Harper & Row, 1979.

Essentials of Child Development and Personality (with P. H. Mussen & J. Kagan). New York: Harper & Row, 1980.

Readings in Child and Adolescent Psychology: Contemporary Perspectives (with P. H. Mussen & J. Kagan). New York: Harper & Row, 1980.

Film

Adolescence: The Winds of Change (with J. Kagan). New York: Harper & Row, 1976.

Chapters

Reinforcement theory and the dynamics of alcoholism, in Alcoholism: theory, problem, and challenge, New Haven: Yale Alc. Studies Press, 1956.

Perception, learning, and emotion: the role of alcohol. In Understanding Alcoholism, S. D. Bacon, Ed., the Annals of Am. Acad. Pol. & Soc. Science, 1958, 315, 31-39.

An experimental investigation of the role of psychological factors in the production of gastric ulcers in rats (with W. L. Sawrey, and E. S. Turrell), in Psychopathology: A Source Book, Reed, G. F., Alexander, I. E., and Tomkins, S. S., Eds., Cambridge: Harvard U. Press, 1958.

Accidents, in The Encyclopedia of Mental Health, Albert Deutsch, Ed. New York: Grolier, 1963.

Effects of Alcohol on Conflict Behavior in the Albino Rat, Perspectives in Psychopathology, 1966, 174-195.

Psychological and psychophysiological factors in motor vehicle accidents (with H. S. Gaskill, D. D. Glad, L. Hassell, R. V. Rainey, W. L. Sawrey), in Accident Research, Haddon, W., Jr., Suchman, E., Klein, D., Eds., New York: Harper & Row, 1965.

Antecedents of delinquency: Personality, social class and intelligence, (with W. C. Miller and C. R. Walsmith), in Readings in Child Development & Personality, (eds. Mussen, Conger, and Kagan), New York: Harper & Row, 1965.

Accident Proneness, (with H. S. Gaskill), Comprehensive Textbook of Psychiatry, Williams & Wilkins Co., 1967.

The delinquent personality (with W. C. Miller) in Sykes, G. M. and Drabek, T. E. (Ed.), Law and the Lawless: New York: Random House 1969, p. 187-190

Roots of alienation. In B. B. Wolman (Ed.), International encyclopedia of neurology, psychiatry, psychoanalysis and psychology. New York: McGraw-Hill, 1976.

Adolescence: A time for becoming. In M. Lamb (ed.), Social and personality development. New York: Holt, Rinehart & Winston, 1978, Pp. 131-154.

Experimental and theoretical articles

Effects of alcohol on conflict behavior in the albino rat, Quart. J. Stud. Alc., 1951, 12, 1-29. (Reprinted in Bobbs-Merrill Reprint Series in the Social Sciences, p-77.)

A reanalysis of Beck's "Six Schizophrenias", (with W. L. Sawrey and L. F. Krause), in J. Consult. Psychol., 1956, 20, 83-87.

An experimental investigation of the role of psychological factors in the production of gastric ulcers in rats, (with W. L. Sawrey and E. S. Turrell), J. Comp. Physiol. Psychol., 1956, 49, 452-461. (Reprinted Bobbs-Merrill Reprint Series in the Social Sciences, P-300.)

✓ Reinforcement theory and the dynamics of alcoholism, Quart. J. Stud. Alc., 1956, 17, 291-324.

Personal and interpersonal factors in motor vehicle accidents (with H. S. Gaskill, et al), Am. J. Psychiat., 1957, 113, 1069-74. (Also Annual Reports, 1954-1959, Commission on Accidental Trauma, Armed Forces Epidemiological Board, Washington, D. C.)

✓ The role of social experience in the production of gastric ulcers in hooded rats placed in a conflict situation, (with W. L. Sawrey and E. S. Turrell), J. Abn. Soc. Psychol., 1958, 214-219.

An investigation of the role of psychological factors in motor vehicle accidents, (with R. V. Rainey and C. R. Walsmith), Highway Research Bulletin, National Research Council, National Academy of Science, Vol. 212, January 1958.

Psychological and psychophysiological factors in motor vehicle accidents: a follow-up study, (with H. S. Gaskill, et al), J. Am. Med. Assn., 1959.

An objective method of grouping profiles by distance functions and its relation to factor analysis, (with W. L. Sawrey and L. Keller), J. Educ. and Psychol. Meas., Vol. 20, Number 4, Winter 1960, 651-673.

Personality characteristics as a selective factor in driver education, (with R. V. Rainey and C. R. Walsmith), Highway Research Board Bulletin, No. 285, National Academy of Science, National Research Council, 1961, 23-28.

Prediction of success in medical school, (with R. H. Fitz), J. Med. Educ., 1963, Vol. 38, p. 943.

Effects of driver education: the role of motivation, intelligence, social class and exposure, (with Wilbur C. Miller and Robert V. Rainey), Traffic Safety Research Review, September 1966, p. 67-71; also in An Evaluation of driver education, University of California Press, 1969, 37-44.

A world they never knew: the family and social change, Daedalus, Fall, 1971, 1105-1138.

Non-experimental articles, e.g., reviews of literature in field, etc.

Meaning and measurement of intelligence, Rocky Mountain Med. J., June 1957.

Psychology in medical education. II. Research, Neuropsychiatry, 1957, 4, 123-138.

Personality factors in driver education. Phi Delta Kappan, June 1960, 396, 397.

Personality factors in motor vehicle accidents, (Med. Times, March 1960, 281-284.

Review of Reflexes to Intelligence: a Reader in Clinical Psychology, Beck, S. J. and Molish, H. (eds.). Contemporary Psychol. Vol. V, No. 9, September 1960, 309-310.

Review of An Elementary Text in Child Psychiatry, Finch, S. M., Contemporary Psychol., Vol. VI, No. 3, March 1961, p. 101-102.

Research trends in traffic safety. Traffic Safety Research Review, Vol. 5, No. 2, June 1961, 30-32. (Also in Police, July-August, 1961, 44-47.)

Review of Intelligence and Experience, J. McV. Hunt, Contemporary Psychol., Vol. VII, No. 8, Aug. 1962.

Review of Clinical Process, Beller, E. K., Contemporary Psychol., Vol. VII, No. 11, Nov., 1962, p. 416-17.

Review of Deterrents and Reinforcements, Lawrence, D. H. and Festinger, L., J. nerv. ment. dis., Vol. 137, No. 5, Nov., 1963.

What is Past is Prologue: Research and the National Safety Council, Traffic Safety Research Review, Vol. 6, No. 4, Dec., 1962.

The Future of General Practice in Medicine, Colo. GP, Vol. VI, No. 2, 1964.

Review of The Reasonable Adventurer: A Study of the Development of 36 Graduates at Princeton, Roy Heath. Amherst Alumni News, Summer, 1964, p. 44.

Review of The Teaching of Preventive Medicine in the United States, Wm. Shepard, James Roney, Jr. "The Evolution of Identity", The Milbank Memorial Fund Quarterly, Vol. XLII, No. 4, Oct., 1964, Pt. I, p. 36.

Comments on E. S. Stainbrook, the changing health sciences: implications for professional education. The Changing West - Implications for Higher Education, Western Interstate Commission for Higher Education, Boulder, 1964, p. 31-33.

Review of Growth to Freedom: The Psychological Treatment of Delinquent Youth. Derek Miller. Contemporary Psychology, Vol. 12, No. 2, Febr. 1967, p. 101-102.

Health Science Education in a Changing World, International Medical Digest, Vol. 82, #12, Dec., 1966, p. 575-576.

Mental Health in the Great Society: the Spirit of the Laws, Proceedings, 16th Conference of Psychologist Directors & Consultants in state, federal, and territorial Mental Health Programs, 1967, p. 6-15.

Report of the Secretary's Advisory Committee on Traffic Safety (with Moynihan, D. P., et al). Washington, D. C., U. S. Department of Health, Education, and Welfare, 1968.

Mental Retardation as Child Development, Am. J. of Mental Deficiency, Vol. 6, No. 6, December 1968, p. 10-14.

Ethical and Social Implications of Biomedical Progress, Rocky Mountain Med. J., Vol. 65, No. 12, December 1968, p. 17-23.

Research in Driver Education, Proceedings, National Driver Education and Training Symposia, The Institute for Educational Development, 1969, p. 107-126.

Report of the Interim Committee on Medical Education to the Minnesota Senate, April 10, 1969.

Summary Report of the Preparatory Commission on Milieu, Teaching Psychiatry in Medical School: The Working Papers of the Conference on Psychiatry and Medical Education, 1967, p. 138-142.

The University: Responsibilities, Colorado Quarterly, Winter, 1970, Vol. XVIII, No. 3.

Co-author, Report of the Presidential Task Force on Highway Safety to the President of the United States, December, 1969.

Milieu, Psychiatry and Medical Education, American Psychiatric Association, Washington, D. C., 1969, p. 9-25.

National Priorities and Goals in Highway Safety, Proceedings of the 43rd Highway Conference, Center for Urban Engineering Studies, College of Engineering, Boulder, 1970, p. I-1 - I-9.

The Changing Status of the Young, The Salk Institute, Council for Biology in Human Affairs (with J. Bronowski, et al.), prepared for the National Commission on Marijuana and Drug Abuse, 1973.

Review of Insights on the Child Development Movement in the United States, M. J. E. Senn. Science, May 14, 1976.

Sexual Attitudes and Behavior of Contemporary Adolescents (in J. J. Conger, (ed.), Contemporary Issues in Adolescent Development, Harper & Row, 1975.

A new morality: Sexual attitudes and behavior of contemporary adolescents. In T. J. Cottle (ed.), Readings in adolescent psychology: Contemporary perspectives. New York: Harper & Row, 1977. Pp. 227-232.

Alienation: An overview. In B. B. Wolman (ed.), International encyclopedia of psychiatry, psychology, psychoanalysis, and neurology, Vol. I. New York: Aesculapius Publishers, 1977. Pp. 430-433.

Parent-child relationships, social change and adolescent vulnerability. Journal of Pediatric Psychology, 1977, 2, 93-97.

Report of the President's Commission on Mental Health (with Tom Bryant, et al). Washington, D.C.: Government Printing Office, 1978.

Parent-child Relationships and Adolescent Socialization. In L. Montada (ed.), Progress in Developmental Psychology. Stuttgart, Germany: W. Kohlhammer, 1978.

Hostages to Fortune: Adolescents and Social Policy. In H. C. Wallach (ed.), Approaches to Child and Family. Boulder, Colo.: Westview Press, in press, 1981.

OHIO UNIVERSITY
COLLEGE OF ARTS AND SCIENCES
ATHENS, OHIO 45701

DEPARTMENT OF PSYCHOLOGY
PORTER HALL
(614) 594-5964

March 10, 1981

Honorary Degrees Committee:

I am writing in support of the candidacy of John J. Conger, Ph.D., to receive an honorary degree from Ohio University. In many respects, this is a difficult task. It is not that Dr. Conger is not a worthy candidate: it is the fact that he has achieved so much in so many different ways during his illustrious career. I will attempt to describe what I view as the most salient achievements attained by Dr. Conger.

First, he is a creative and methodical scientist. After receiving his doctoral degree from Yale, Dr. Conger conducted a number of investigations on health-related topics. This research has included, for example, studies on highway safety and alcoholism. Dr. Conger's work in the latter area is considered as classic. A study he reported in 1951 is easily one of the most cited articles in the area, even after the passage of 30 years.

Second, he is a very prolific author. He has published a number of developmental texts, many of which have been published in several editions. One text on which Dr. Conger is a co-author, a developmental text usually referred to by the authors' last names as Kagen, Conger & Mussen, has been cited as the most widely used text on any subject published in the United States. I think the success Dr. Conger has enjoyed is not only a reflection of his scholarship, but his ability to describe complex phenomena in a manner understood by readers. His writings exemplify this rare gift.

Third, he is a highly effective administrator. Dr. Conger has held a number of administrative positions, but none may be more important than when he served as Dean of the Medical School and Vice-President for Medical Affairs at the University of Colorado. He shattered tradition by becoming the first non-physician to be appointed as Dean of the Medical School at Colorado. I doubt if Dr. Conger was the initial non-physician to ever hold such a post, but he may be the first person without a medical degree to be the dean of a medical school widely regarded as one of the top ten medical schools in the U.S. John's performance in the dual positions was exemplary. He is heralded as one of the most effective administrators ever holding the office as Dean of the Medical School at the University. Much of the praise he has received, it should be noted, comes from physicians who were highly skeptical that a non-physician would ever be successful as dean of a major medical school. The years that have intervened since he was dean have only served to enhance Dr. Conger's reputation. The period he was dean was a halcyon time for the Medical School at the University. The program at the

school peaked during this period. Dr. Conger also left another legacy: he was the last person to effectively serve as both the Dean of the Medical School and Vice-President for Medical Affairs at the University of Colorado. His successor felt holding both positions was too much for one person and accordingly, the duties were divided between two people. This contributed to discord at the University, and, over the years, has been a factor in the defection of a number of prominent members from the School of Medicine at the University of Colorado.

Fourth, he is active professionally. Dr. Conger has held a number of positions, including holding national offices in the American Psychological Association. He was, for several years, the secretary of the APA. Dr. Conger served with considerable distinction in this position. More recently, he was overwhelmingly elected as President of the APA; he assumes this position in September of 1981.

Finally, the multi-talents of Dr. Conger - scientist, author, administrator, and the highest elected officer of his professional organization - led to his selection as Vice President and Administrator of the McArthur Foundation (a position he holds in addition to being a Professor of Psychology at the University of Colorado). While a relatively new philanthropic group, the McArthur Foundation is already established as one of the more innovative private foundations in the country. This past year, for example, they provided funds to save Harper's Magazine when the publication was about to go bankrupt. They have budgeted \$10 million in 1981 for mental health; in addition, they have expressed an interest in funding research related to health and human behavior. The McArthur Foundation, in fact, promises to be at the forefront with respect to the support of projects designed to teach people that their health is basically their own responsibility, a concept that promises to revolutionize our health care system. It is to the credit of the McArthur Foundation that they chose John Conger as the administrator of their organization, a man many observers have cited as the perfect choice for such a role.

In conclusion, I heartily recommend that Dr. John J. Conger be awarded an Honorary degree from Ohio University. The achievements he has attained, coupled with the personal qualities that characterize him as a person, not only makes him an ideal candidate for such an award, but a quality individual we would like to be associated with the University.

Sincerely,



Thomas L. Creer, Ph.D.
Professor of Psychology and
Director of Clinical Training

HONORARY DEGREE - NOMINATING FORM

In order to act on a nomination the Honorary Degrees Committee needs all pertinent information about the nominee. Please supply as much information as possible. Whenever possible supporting data should be attached separately.

Name of Nominee: HAROLD W. McGRAW, Jr.

Place and Date of Birth: Brooklyn, New York - January 10, 1918

Position: Chairman & President, McGraw-Hill, Inc.

1. Academic Degrees Earned and Institutions Granting Them:

B.A., Princeton University, 1940

2. Honorary Degrees and Institutions Granting Them:

Doctor of Letters, Graduate School, City University of New York, 1978

3. Vocations Experience:

Captain, Army Air Force, World War II

Editor, Whittelsey House Book Division

Vice President, McGraw-Hill Book Company - 1955

Executive Vice President, McGraw-Hill Book Company - 1965

President, McGraw-Hill Book Company - 1968

President, McGraw-Hill, Inc. - 1974

Chief Executive Officer, McGraw-Hill, Inc. - 1975

4. Other Experience or Activities Relevant to Nomination:

Director, Council for Financial Aid to Education

Trustee, New York Public Library

Trustee, ICD Rehabilitation & Research Center

President, Princeton University Press

Chairman, Princeton University Library Advisory Committee

Chairman, West Side Association of Commerce of New York City

Director, "I Love A Clean New York, Inc."

Member, Conference Board of New York

Member, Board of Visitors, Graduate School & University Center,

City University of New York

5. Important Publications:

6. Membership in Learned Societies. Professional Associations, Civil Organizations:

Member, American Association of Publishers

7. Significant Honors Attained:

National Council of LaRaza Corporate Leadership Award - 1980

Mexican-American League Defense Fund Leadership Award - 1980

Sixth 'Thomas Jefferson Distinguished Visiting Professor',

University of Missouri - 1979

8. Exceptional Achievements or Contributions:

As a leader in the book industry, Harold McGraw has personally supervised arrangements to publish millions of textbooks in inexpensive student editions in Asia, India, and England. He has also led his company into the publishing of foreign-language periodicals, including Chinese.

Under his direction, McGraw-Hill has supported the Harlem Academy for the teaching of underprivileged children in preparation for higher education. He is also responsible for the funding of the Bagshot Fellowship Program at Columbia University.

He was also instrumental in publishing two of the most prestigious series of books in recent decades -- the Carnegie Series on Higher Education, and the World Encyclopedia of Art.

9. Special Relationship to Ohio University:

- Provided the McGraw-Hill Minority Scholarship Program at Ohio University (one of two such programs in the nation), thus giving \$8,000 annually to provide four minority scholarships in the College of Communication. (Gifts to date, \$38,000)
- Provided paid internships for more than twenty Ohio University students at McGraw-Hill publications and news bureaus in the U.S. and abroad, at a cost of over \$50,000.

~~10. Other Sources of Information Which Could be Consulted About the "Maine":~~

- Over a ten-year period, made available for lectures at Ohio University fifteen top editors and executives, with all expenses paid.
- On numerous occasions, provided luncheon meetings for the New York Advisory Board meetings for Ohio University's World Communication Conference.
- Provided large amounts of teaching materials (film, books, magazines) to Ohio University.
- Provided personnel advisors to speak with Ohio University students.

11. Personal Evaluation of Nominee:

Harold McGraw, Jr., is a distinguished leader in world

communications. He has led American publishing into the

electronic age, ecometrics, and telecommunications.

He is a person of honor and foresight, and a public-spirited

citizen.

His significant contributions to Ohio University are

representative of his interest and regard for the University,

and worthy of the highest recommendation for an Honorary Degree.

Nominator's Name John R. Wilhelm, Dean, College of Communication

Address RTVC 483

Phone Number 594-6936

Return to Art Marinelli

217 Copeland Hall

Ohio University

Athens, Ohio 45701

OHIO UNIVERSITY/College of Communication

The School of Journalism

Athens, Ohio 45701

614-594-5012

January 26, 1981

Honorary Degree Committee
Ohio University
Athens, Ohio 45701

Dear Committee Members:

I became familiar with the McGraw-Hill organization, and the role therein of Harold McGraw, when I wrote my doctoral dissertation of McGraw-Hill World News in the 1960s. The project stretched over a period of three years, during which I made extensive visits to corporate headquarters in New York and to the European news bureaus of World News. At every turn the organization offered all possible cooperation. Working space was provided, records were opened, and no restrictions were imposed.

In the years since, I have observed the substantial growth of this organization, its diversification and emergence into many new fields of communication. As Harold McGraw has been an executive of this company, and of recent years its chief executive, I credit his leadership with much of this development.

I have also observed over these years a special relationship between McGraw-Hill and Ohio University. Harold McGraw's corporation has been very supportive of our efforts in journalism education, providing editors and executives to visit campus for lectures, foreign and domestic paid internships for students, scholarships, teaching materials, and even host and meeting facilities for Ohio University personnel and representatives visiting New York.

I sincerely endorse recognition of these accomplishments in American publishing and educational support of Ohio University by honoring Harold McGraw by conferring on him an honorary degree from Ohio University.

Sincerely yours,



Ralph E. Kliesch
Acting Director

REK:dsm

BIOGRAPHICAL STATEMENT

PHILIP HANDLER

Born: August 13, 1917
New York City

Wife: Lucille M.
Sons: Mark, Eric Paul

Ph.D. University of Illinois, 1939

National Academy of Sciences, President (1969 -)

*National Science Board, National Science Foundation, Chairman (1966 - 1970); Member (1962 - 1974)

Duke University School of Medicine, Instructor through rank to Chairman, Department of Biochemistry (1939 - 1969);
James B. Duke Professor of Biochemistry (1961 - [on leave])

Memberships

Johns Hopkins University, Visiting Committee on the Biological Sciences (1965 - 1969)

University of Notre Dame, Visiting Committee on the Life Sciences (1964)

Nova University, Scientific Advisory Board (1966 -)

Rockefeller University, Board of Trustees (1968 -)

Yale University, Visiting Committee for the Graduate School (1968)

Institute for Cancer Research, Scientific Advisory Committee (1966 - 1969)

Kettering Institute, Scientific Advisory Committee (1964 - 1970)

Scripps Metabolic Clinic and Research Foundation, Scientific Advisory Committee (1963 - 1973)

American Academy of Arts and Sciences

American Association for the Advancement of Science

American Chemical Society

American Institute of Nutrition

American Philosophical Society

American Society of Biological Chemists, President (1962 - 1963); Chairman, Publications Committee (1969 - 1970)

Biochemical Society (U.K.)

Cosmos Club

Federation of American Societies for Experimental Biology,
Chairman of the Board (1964 - 1965)

Foundation for Advancement of the Sciences

German Academy of Natural Sciences, Leopoldina (1972)

Japanese Biochemical Society - Honorary Member (1974)

National Academy of Medicine of Mexico - Honorary Member (1974)

National Academy of Sciences, President (1969 -)

New York Academy of Sciences, Fellow

*President's Science Advisory Committee (1964 - 1968); (1969 - 1972)

Royal Society for the Encouragement of Arts, Manufacture
and Commerce, Benjamin Franklin Fellow

Swiss Academy of Natural Sciences, Honorary Member (1970)

II. Publications:

200 research papers published in such professional journals as J.Biol.Chem., J.Am.Chem.Soc., J. Nutrition, Am.J.Physiol., Arch.Biochem. Biophys., etc.

Co-author of "Principles of Biochemistry," 1954 translated into Russian, Japanese and Spanish, now in fifth edition.

Editor - "Biology and the Future of Man" - 1970
Oxford University Press, from a National Academy of Sciences study of the Life Sciences

III. Awards and Honors:

Phi Beta Kappa

C. B. Mayer Award, New York Academy of Medicine 1943

Townsend Harris Medal, City College of New York 1964

Annual Orator, Pennsylvania State Medical Society 1965

Annual Orator, Harvey Cushing Society 1966

Henry Margenau Lecturer in Science Hartwick College 1966

Sigma Xi National Lecturer 1966

Annual Orator, Welch Foundation 1967

Honorary Lecture Award, Albany Medical College 1967

Annual Speaker, American Physical Society 1968

Annual Orator, American Dermatology Society 1968

Stevens Honor Award, Stevens Institute of Technology 1969

Annual Award for Distinguished Contributions to Medical Sciences, American Medical Association 1969

North Carolina Award for Science 1970

W.O. Atwater Memorial Lectureship (ARS) 1970

Distinguished Professor of Science, The George Washington University 1970

Gregory Pincus Memorial Lecture, Worcester Foundation, Shrewsbury, Massachusetts (5/10) 1971

Joseph Henry Lecture, Philosophical Society of Washington's 100th Anniversary (5/14) 1971

Schwab Memorial Lecture, American Iron & Steel Institute, New York (5/26) 1971

Martin Memorial Lecture, American College of Surgeons Atlantic City (10/21)	1971
Benjamin Gottesman Lectures, Albert Einstein College of Medicine, Yeshiva University, New York (11/8-10, 22-23)	1971
University of Illinois Alumni Association Achievement Award	1972
Alpha Omega Alpha of North Carolina at Duke University, Honorary Member	1972
First Aharon Katzir Memorial Lecture Jerusalem, Israel	1973
24th William Albert Noyes Lecture University of Illinois	1974
D.Sc., Case Western Reserve University	1968
LL.D., Emory University	1969
D.Sc., Colorado State University (2/11)	1970
D.Sc., Carnegie-Mellon University (5/18)	1970
D.Sc., University of North Carolina (5/30)	1971
D.Sc., New York Medical College (6/3)	1971
D.Sc., Yeshiva University New York City (6/10)	1971
Ph.D., Hon. Causa, Hebrew University Israel (7/5)	1971
D.Sc., Temple University	1972
D.Sc., Medical College of Wisconsin	1972
LL.D., City College of City University of New York	1972
Litt.D., NOVA University, Ft. Lauderdale, Florida	1972
D.Sc., The George Washington, University Washington, D. C.	1973
D.Sc., Hahnemann Medical College, (6/7/73) Philadelphia, Pennsylvania	1973
D.Sc., Michigan State University, East Lansing, Michigan	1975
LHD, Florida State University, Tallahassee, Florida	1975

HONORARY DEGREE - NOMINATING FORM

In order to act on a nomination the Honorary Degrees Committee needs all pertinent information about the nominee. Please supply as much information as possible. Whenever possible supporting data should be attached separately.

Name of Nominee: George V. Voinovich

Place and Date of Birth: July 15, 1936

Position: Mayor of Cleveland, Ohio

1. Academic Degrees Earned and Institutions Granting Them:

B.A. Ohio University 1958

J.D. Ohio State U., 1961

2. Honorary Degrees and Institutions Granting Them:

none (to our knowledge)

3. Vocations Experience:

Member, Ohio Bar; admitted to practice before U.S. Supreme Court

Asst. Attorney General, Ohio, 1962-63

Ohio House of Representatives, 1967-71

~~Asst~~ Auditor, Cuyahoga County 1971-76

Cuyahoga County Commission 1977-78

Lt. Governor, State of Ohio 1979

Mayor, Cleveland, 1980-

4. Other Experience or Activities Relevant to Nomination:

Certificate of Merit Award, O.U.

One of Outstanding Young Men of Ohio, Ohio Jaycees, 1970; same for Greater Cleveland

Member, Omicron Delta Kappa, Phi Alpha Theta, Phil Beta Phi

5. Important Publications:

6. Membership in Learned Societies. Professional Associations, Civil Organizations:

Republican Party

7. Significant Honors Attained:

8. Exceptional Achievements or Contributions:

9. Special Relationship to Ohio University:

10. Other Sources of Information Which Could be Consulted About the Nominee:

11. Personal Evaluation of Nominee:

Nominator's Name

Richard Vedder

Address

Dept. of Economics, M206 Copeland Hall

Phone Number

594-6601

Return to Art Marinelli

217 Copeland Hall

Ohio University

Athens, Ohio 45701

OHIO UNIVERSITY

ATHENS, OHIO 45701

DEPARTMENT OF POLITICAL SCIENCE
BENTLEY HALL

February 12, 1981

Professor Arthur J. Marinelli, Jr.
Chairman, Committee on Honorary Degrees
Copeland Hall
Ohio University
Athens, Ohio 45701

Dear Art:

I am pleased to submit a very strong endorsement of the nomination of Mr. George V. Voinovich to receive an honorary degree from Ohio University. I believe that he fully merits such recognition and that in honoring him Ohio University would bring honor to the institution.

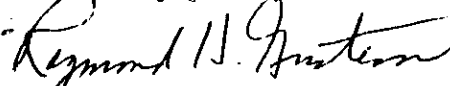
My acquaintance and friendship with George Voinovich date from the years when he was an undergraduate student at Ohio University. As a major in Government, he was enrolled in a number of my classes. I also had frequent contacts with him in the realm of extra-curricular affairs. I came to have the highest respect for him both as a student and as a leader in campus life. He served as President of the Student Council; in my judgment, he was one of the most effective student leaders on this campus in my memory. Following his graduation from Ohio University, he received his law degree from Ohio State University.

His career in law and public affairs is well known. He has served as an Assistant Attorney-General, legislator in the Ohio House of Representatives, Auditor of Cuyahoga County, Commissioner of Cuyahoga County, Lieutenant Governor of the State of Ohio, and currently as Mayor of the City of Cleveland. In each of these positions he has performed with ability and distinction. He truly exemplifies the finest qualities of citizenship and leadership in a democratic society.

There is abundant evidence of his interest in and loyalty to Ohio University. He gave the keynote address at the Conference of Higher Education held during the 175th anniversary celebration of the university. In recognition of his distinguished work in the field of public administration, Ohio University gave him its Certificate of Merit Award.

I believe that he should be given the most serious consideration for the conferral of an honorary degree.

Sincerely yours,



Raymond H. Gusteson
Professor of Political Science



City of Cleveland

GEORGE V. VOINOVICH, MAYOR

BIOGRAPHY

53rd Mayor of Cleveland

George V. Voinovich, born in Cleveland, Ohio in 1936, is the eldest of George and Josephine Voinovich's six children. His father, who died in 1974, was a noted Cleveland architect. His mother, who graduated from Flora Stone Mather College of Case Western Reserve University, continues to be active in various social agencies around Northern Ohio.

George attended Cleveland Collinwood High School, where he was president of his class, president of the Key Club, comptroller of the school bank, and a member of the National Honor Society.

Upon graduation, George went to Ohio University in Athens, Ohio where he obtained his B.A., with a major in Government and minors in History and English. He was president of the Men's Dormitory System, president of Circle K, and president of the Student Council. In addition, George was tapped for membership in Omicron Delta Kappa, the nation's national leadership scholarship fraternity.

From Ohio University, George entered the Ohio State University College of Law. He was elected president of his law school graduating class and president of the law school Young Republican Club. In 1961, George received his law degree and the following year passed the bar exam.

George returned to Cleveland to practice law in Collinwood, the neighborhood where he was raised. In 1962, he married the former Janet Allen of Lakewood, Ohio whom he met in the Greater Cleveland Young Republican Club.

---more---

In an event that turned him toward public service, Voinovich was named Assistant Attorney General by William B. Saxbe and he headed up the Trial Section of the Attorney General's Workman's Compensation Division in the City of Cleveland.

George's first attempt for public office came in 1966. He was elected to the Ohio House of Representatives, a seat he held for three terms. While in the Ohio House, George did not sit still--he sponsored over 85 bills that have become law. He served on the powerful House Finance and Appropriations Committee for two terms and was Vice-Chairman of the Environmental and Natural Resources Committee for one year.

Voinovich was also the father of Ohio's Homestead Law, co-sponsoring the Resolution which amended Ohio's constitution to provide tax reductions to senior citizens.

In addition, Voinovich is remembered as being the person responsible for stopping the drilling for gas and oil in the bed of Lake Erie. That ban is still in effect today.

In 1971, Voinovich was appointed Cuyahoga County Auditor after Ralph Perk became Mayor. He was elected to Perk's unexpired term in 1972 and in 1974 he won his own four-year term. During his five years as County Auditor, he was credited for conducting the first complete management audit of any office in Cuyahoga County and for instituting the first wage and salary administration program in county government. He left the Auditor's office in 1976 with 25 fewer employees than when he came into office in 1971. His management innovations and elimination of unnecessary procedures saved the county hundreds of thousands of dollars.

---more---

While Auditor, Voinovich established himself as one of the outstanding public administrators in government in the State of Ohio. In 1976, the Auditor's Office received the National Association of County Officials' Outstanding Public Service Award. Ohio University, his alma mater, also gave him its Certificate of Merit Award for bringing distinction to Ohio University for his work in public administration.

In 1976, Voinovich was elected Cuyahoga County Commissioner, ending the 44 year reign of one party control of that County Commissioner's Office. While Commissioner, he instituted a wage and salary administration program, established the Office of Budget and Management, established the first professional Personnel Office for the Commissioners, and instituted the first Office of Economic Development in the County's history. During Voinovich's tenure as Commissioner, the County was run at approximately 2 million dollars less than when he came into office.

In 1978, because of a constitutional amendment and a new state statute, George was the first Lieutenant Governor candidate in Ohio's 175 year history to run in tandem with the Governor. The Rhodes-Voinovich ticket was the only statewide Republican team to win in Ohio in 1978.

While Lt. Governor, Voinovich no longer had the traditional role of presiding over the Ohio Senate, but became an active member of the Governor's cabinet, chairing its meetings in the absence of the Governor. He also instrumental in the successful launching of Ohio's first State and Local Government Commission. For that group, Voinovich was able to attract one of the finest groups of scholars and practitioners in the field of local government to identify problems that local governments have in dealing with the Ohio legislature, state and federal agencies, and Congress.

---more---

George decided to run for Mayor of Cleveland after much soul searching, calling his decision, "a tremendous opportunity to serve my hometown." He ran a hard-hitting, issue-oriented campaign that completely overwhelmed incumbent Mayor Dennis Kucinich by a 56% to 44% vote margin. He won 24 of 33 wards, and was the first Cleveland mayor in years to draw substantial amounts of white and black votes.

In his first year as Mayor, Voinovich has begun a startling rebirth in Cleveland. The City is no longer in financial default and even balanced its budget for the first time in the last ten years. The Presidential Debate, the event many people believe was the turning point in choosing the nation's President, was held in the recently refurbished Cleveland Convention Center. Several major downtown construction projects have begun and other plans are on the drawing board. The accomplishments of the Voinovich administration have been recognized in such publications as the New York Times, the Christian Science Monitor, Barron's and Time Magazine.

Currently, Voinovich is a member of the International Association of Assessing Officers, the Municipal Finance Officers Association, the American Society for Public Administration. He is on the Board of Trustees of the Cleveland Metropolitan YMCA and the Cleveland United Way. He will also be taking active roles in the United States Conference of Mayors and the National League of Cities, serving on several committees of each group.

George and his wife Janet have three children, George Jr. 17, Betsy 16, and Peter 11. A fourth child, Molly, was the victim of a fatal car accident on October 9, 1979. Molly was 9 years old.

---30---

For further information: Contact Greg Krizman at (216) 664-2238

Cleveland 'Rejuvenated' By Income Tax Hike

CLEVELAND (AP) — A beaming Mayor George V. Voinovich, basking in the victory of a sought-after city income tax hike, said Cleveland is rejuvenated and at last ready to step out of fiscal intensive care.

Cleveland voters Tuesday overwhelmingly approved a proposed income tax hike from 1.5 percent to 2 percent. All workers in the city are affected. Suburbanites and corporations pay 75 percent of the tax.

Although a close vote was expected, the issue was approved by 62 percent of the voters. The unofficial tabulation of absentee votes and the results from the city's 645 precincts were 65,326 for and 37,927 against.

"This will go down, I believe, as one of the most important days in the history of the city of Cleveland," Voinovich told a gathering of about 200 in a downtown hotel, where a victory celebration occurred.

Last November, Cleveland, under the guidance of Voinovich, emerged from a 23-month default on municipal notes to six Cleveland banks. The default in December 1978 on about \$15 million occurred during the volatile administration of former Mayor Dennis J. Kucinich.

Kucinich, a Democrat, pushed for and got a city income tax increase from 1 percent to 1.5 percent in February 1979. Voinovich, a Republican and former lieutenant governor of Ohio, defeated Kucinich for the mayor's job in November 1979.

Voinovich tried to get voter approval last November of the payroll tax hike to 2 percent, but Kucinich led an opposition campaign and the issue was rejected in the general election.

Kucinich, still a dominating politician here as he writes a book and teaches a course at



VOINOVICH VICTORY — Cleveland Mayor George Voinovich can't help but grin as he talks about voters' approval of a city income tax increase from 1.5 to 2 percent. — AP Laserphoto

Cleveland State University, again led an opposition campaign, claiming the 1979 increase was sufficient.

However, Voinovich intensely campaigned, saying the city could not maintain efficient services, including police and fire protection, unless it had an infusion of new money.

"Something special has taken place in our community," Voinovich said. "As I

said to many of you during the campaign, the city of Cleveland was in intensive care. Today we got a darn good blood transfusion and lots of oxygen. We're going to survive and get better."

The mayor also said he intends to run for re-election in November. Voinovich has vowed widespread improvement in city services and replacement of rundown

equipment and vehicles now that the tax has passed.

A disgruntled Kucinich, upon learning the results, commented, "After a few months, the people will resent this phony bill of goods the media helped the mayor to sell."

City officials have estimated the tax hike will allow the city to raise \$24.8 million this year, \$39.6 million in 1982 and \$42.3 million in 1983.

C. BOARD-ADMINISTRATION COMMITTEE MATTERS

1. REVISION OF GENERAL PRINCIPLES RELATED TO
APPOINTMENT OF UNIVERSITY EXECUTIVE OFFICERS

Mr. Spencer moved approval of the resolution. Mrs. D'Angelo seconded the motion. Approval was unanimous.

RESOLUTION 1981--573

WHEREAS, Ohio law provides for the government of state-assisted universities by their boards of trustees, and

WHEREAS, the law further provides: The authority of government vested by law in the boards of trustees of state-assisted institutions of higher education shall in fact be exercised by said boards. Boards of trustees may consult extensively with appropriate student and faculty groups. Administrative decisions about the utilization of available resources, about organizational structure, about disciplinary procedure, and about administrative personnel shall be the exclusive prerogative of boards of trustees. Any delegation of authority by a board of trustees shall be accompanied by appropriate standards of guidance concerning expected objectives in the exercise of such delegated authority and shall be accompanied by periodic review of the exercise of this delegated authority to the end that the public interest, in contrast to any institutional or special interest, shall be served.

WHEREAS, the Ohio University Board of Trustees desires an effective process for the appointment and evaluation of executive officers, and

WHEREAS, the President of Ohio University has requested the Faculty Senate to recommend modifications of the current policy and the Faculty Senate has submitted a recommended revised policy, and

WHEREAS, the University administration has reviewed this recommended revised policy and recommends its adoption.

THEREFORE, BE IT RESOLVED that the revised policy on "General Principles Related to Appointments of University Executive Officers" is approved and the President is authorized to implement its provisions.

GENERAL PRINCIPLES RELATED TO APPOINTMENTS OF UNIVERSITY EXECUTIVE OFFICERS

Purpose

This policy provides for the appointment and evaluation of the major administrative officers of the University, including the President, Provost, Vice President, Vice Provost for Regional Higher Education, and Deans. It outlines regular procedures for the search, appointment, evaluation, reappointment and termination of these officers.

Search

1. A search committee will be established by the person responsible for making the appointment to assist in the identification, evaluation, and recommendation of highly qualified candidates.
 - a. The committee should be small enough to work effectively but large enough to accomplish its task (a reasonable range is six to fourteen).
 - b. In the case of an academic appointment the chairperson of the committee will be a faculty member.
 - c. The committee should include representatives of the major constituencies of the position. The search committee for a dean will include faculty, students and a dean. Half of the faculty will be elected by the Group I faculty members of the academic unit involved. The Provost will appoint the other half from the faculty of the college or unit after consultation with the department or school chairpersons.
 - d. The search committee for a President is appointed by the Board of Trustees and works under the guidance of the Board. The committee will include representatives from the major constituencies of the University.
2. The charge to the committee and a general description of the position to be filled will be given by the person responsible for making the appointment. In the case of deans the general description will be developed by the Provost in consultation with the members of the committee.
3. The committee is responsible for insuring that affirmative action principles are observed. It will meet with the Affirmative Action Officer early in its deliberations.
4. The deliberations of all search committees and their final report will be in confidence.

Appointment

5. Appointment is on an annual basis with the expectation that it will be continued from year to year with a program of annual evaluation during

the continued appointment. A comprehensive evaluation will occur approximately every five (four-six years). The year of the first comprehensive evaluation will be scheduled by the President or Provost at the time of first appointment. A reappointment decision follows this comprehensive review as provided below.

Annual Evaluation

6. The Board of Trustees is responsible for the annual review of the President.
7. Each Administrative Officer will be evaluated on an annual basis for the purposes of salary review, identification of areas of administrative improvement, and personal development.
8. The person responsible for making the appointment (President or Provost) is responsible for coordinating the review. The major constituencies of the position will be asked to contribute information for the evaluation.
9. In the case of Deans appropriate information will be sought from faculty by means of an annual questionnaire which contains both standard questions and questions specifically relevant to the academic unit of the Dean. A committee of faculty, half of whom will be appointed by the Faculty Senators from the college or unit and half of whom will be appointed by the Provost, will be created to assist the Provost in administering and interpreting the questionnaire.
10. If the annual review indicates significant concerns with the performance of the administrative officer, the President or Provost will work with the individual to identify specific steps for improvement. If significant concerns continue to be expressed in subsequent annual reviews and improvement is not made, the President or Provost will give serious consideration to the termination of the administrative officer.
11. All reports of annual evaluations will be in confidence.

Comprehensive Review

12. There will be a more comprehensive review approximately every fifth year to provide a general appraisal of executive performance and accomplishment. The comprehensive review is more explicitly judgmental in nature than the annual evaluation described above. In the case of deans the comprehensive review as outlined below is to provide a basis for determining if a reappointment should be recommended. The next comprehensive review will occur within five years following reappointment.
13. The Board of Trustees is responsible for the comprehensive review of the President. The Board of Trustees will select a review committee including representatives from the University to assist with the comprehensive review.
14. For executive officers other than the President, the person responsible for making the appointment (President or Provost) is responsible for the comprehensive review. For those executive officers other than deans, the review committee will be appointed by the President or Provost who

will meet with the committee to discuss scope, procedures and goals for carrying out the review. These committees will prepare a report including recommendations which will be considered by the President or Provost prior to any action.

15. In the case of deans, the majority of the review committee will consist of faculty from the College or Regional Campus, with a majority of these faculty members appointed by the faculty senator(s) from the College or Regional Campus in consultation with the chairperson of the Faculty Senate. The remainder of the faculty and other members will be appointed by the Provost. The faculty members serving on the committee will elect the chairperson from their own number.
 - a. The Provost will meet with the committee to discuss the general description of the position, the goals and achievements of the College or Regional Campus, and the general areas of assessment of the dean and general procedures for carrying out the review. The review is to be an intensive one considering the overall performance and accomplishments of the dean.
 - b. The review committee will gather and assess a full range of information including the dean's self-assessment, pertinent reports including the annual evaluation reports and other data, written general assessments by faculty and appropriate administrators and other constituents. In addition, the committee is encouraged to use personal interviews. The faculty of the College or Regional Campus should be informed of the comprehensive review of their dean. The committee will provide all Group I faculty of the College or Regional Campus with a dean's evaluation form which includes an outline of the areas of assessment and the opportunity to provide an anonymous evaluation. After completing the rest of the form, the faculty will be provided the opportunity to add observations and comments including their recommendation on the reappointment of the dean.
 - c. The review committee will conclude their analysis by preparation of a report with preliminary recommendations including a recommendation of non-reappointment or reappointment. The dean will be provided an opportunity to comment on the draft report before a final version is submitted to the Provost. The recommendations of the review committee are to represent their assessment of the full range of information obtained. The evaluation from the faculty of the College or Regional Campus is to be given critical weight in the development of recommendations by the review committee. In the case where a substantial number (approaching an absolute majority) of the Group I faculty summarize their concerns about the dean's performance by recommending non-reappointment, but the committee recommends reappointment, the committee will recommend positive steps to be taken which would lead to the restoration of the confidence of the faculty.
 - d. The Provost will normally follow the review committee's recommendations, except in extraordinary circumstances and for reasons discussed with the committee with an opportunity for its response

prior to final action.

- e. The content of particular interviews, communications addressed to the review committee, and other data gathered or presented to the review committee shall remain in confidence.
- f. Following the comprehensive review, the Provost will distribute a report to the faculty of the College or Regional Campus. The report will include the Provost's summary of actions taken as a result of the review and the Committee's summary of their findings and recommendations.
- g. The questionnaire used in annual evaluations subsequent to the first comprehensive review will provide the opportunity for faculty to request that a comprehensive review be undertaken the next year. An absolute majority of the Group I faculty may thereby call for the Provost to schedule the comprehensive review for the next year.

Termination

- 16. No administrative officer will serve in that capacity after the end of the fiscal year during which the age for retirement from administrative duties is reached.
- 17. An appointment may be terminated by the President, Provost, or by the appointee.

2. RECOMMENDATION OF LABOR AGREEMENTS FOR RATIFICATION

Mr. Peebles, in response to Mr. Taylor's invitation to comment, stated that negotiations had been reasonable and constructive. He complimented the parties for acknowledging the uncertainties of funding and expressed the hope that the changes in the contract would help further good relations. He expressed pleasure that a work stoppage had not occurred.

Mr. Taylor moved approval of the resolution. Mr. Bush seconded the motion. Approval was unanimous

RESOLUTION 1981--574

WHEREAS, labor agreements between Ohio University and Local 1699 Ohio University Employees, AFSCME, AFL-CIO, and District Council 8 AFSCME, AFL-CIO, and Local 1699 Security Police Employees, AFSCME, AFL-CIO, were ratified by the Union membership and executed by the parties on March 10, 1981,

WHEREAS, said agreements cover the period March 2, 1981, through March 1, 1984, and provisions contained therein have been approved by the proper authorities of Ohio University.

NOW, THEREFORE, BE IT RESOLVED that the Board of Trustees of Ohio University does hereby ratify the agreements.

The press bulletin on the Agreements and the Agreements are filed with the official minutes.

3. RECOGNITION OF STUDENT SENATE REPRESENTATIVES

Chairman Lavelle reported a call from a representative of student senate asking permission to present a resolution that had been approved at a senate meeting on April 9. He recognized Mr. Holt, who distributed the resolution, a copy of which is included here.

THE OHIO UNIVERSITY
STUDENT SENATE

304 BAKER CENTER
ATHENS OHIO 45701

MOTION --

WHEREAS, the decisions of the Board of Trustees affect students more than any other University group, and

WHEREAS, these decisions are a result of work done by the committees of the Board, and

WHEREAS, students do not have consistent input to the committees, nor access to the information considered by the committees, therefore

BE IT RESOLVED, the the Student Senate request one non-voting representative to each committee of the Board, and one non-voting representative to the meetings of the full Board who shall be the President of the Student Senate or his/her designate, and

BE IT FURTHER RESOLVED, that these representatives have all the privileges of a Board member except voting status, and

BE IT FURTHER RESOLVED, that these student representatives be chosen by the Student Senate.

Sponsors :

Greg Moore, Vice-President

Brett Ryma, Outside Housing

Jeff Withem, City

PASSED UNANIMOUSLY -- April 9, 1981

Chairman Lavelle stated that the Board would take the request under consideration.

Mr. Taylor reminded the senators that Board committee meetings were open to them and that members also were available to them between those meetings. He welcomed their assistance in formulating policies that affected students.

Mr. Withem commented on bills before the General Assembly providing for student membership on Boards, and on practices at other institutions. He stated that the senate desired consistent input to the Board and that this was a reasonable plan.

Mr. Bush complimented the senate on its interest, stating that the Board should constantly review its processes to assure maximum openness.

Mr. Spencer assured senators that the Board considered students to be responsible. He expressed concern over the possibility of getting consistent input with student representation changing each year.

4. RECOGNITION OF PRESIDENT PING FOR PRESENTATION

Chairman Lavelle recognized President Ping who read the citation contained in the Certificate of Appreciation which he presented to retiring Chairman-Member Lavelle.

Mr. Taylor moved the Certificate as a resolution, at which point Mr. Lavelle relinquished the chair to Vice Chairman Taylor.

Mr. Spencer then moved, and Mr. Bush seconded the motion, that the certificate constitute a resolution. Approval was unanimous.

OHIO UNIVERSITY






April 11, 1981


CERTIFICATE OF APPRECIATION

presented to

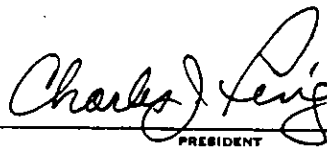
WILLIAM A. LAVELLE

Chairman of the Board, 1980-81

-  FOR your dedication to the responsibilities of Board Chairman,
-  FOR your wise counsel and dedication to University affairs,
-  FOR your loyalty to the University from which you and members of your family graduated, and
-  FOR those personal qualities which have brought you our respect,
-  WE affirm our appreciation.

Conferred as a Mark of Esteem  by the
President and the Board of Trustees of Ohio University.




PRESIDENT


SECRETARY

FRANK C. BAUMHOLTZ
G. KENNER BUSH
PRISCILLA S. D'ANGELO
DEAN W. JEFFERS

J. GRANT KEYS
WILLIAM D. ROHR
DONALD A. SPENCER
MILTON J. TAYLOR

Mr. Lavelle expressed appreciation for the action and for the privilege of service on the Board. He expressed pleasure at the University's future prospects and assured members that he was not relinquishing opportunities for continuing service to the University.

VII. ANNOUNCEMENT OF NEXT STATED MEETING DATE AND SITE

Chairman Lavelle reminded members that the next meeting was scheduled for June 27 in Athens. Committee activities are scheduled for June 26.

VIII. GENERAL DISCUSSION--ROLL CALL OF MEMBERS

Each member, in turn, expressed appreciation to Mr. Lavelle for the opportunity of working with him, thanked him and Mrs. Lavelle for their many contributions and wished them well.

Mr. Taylor expressed special pleasure at having had the opportunity of sharing membership on the Board with a fellow student, stating that he believed this to be a unique situation.

Mr. Spencer commended Mr. Lavelle for interpreting for the Board the special interests of the community, for his guidance on legal aspects of actions and for his sensitivity to human rights.

Mr. Baumholtz expressed the hope that he would continue to see him often. Mr. Bush said he would miss him as a fellow Athens trustee.

Mrs. D'Angelo commented on the special experiences of the week which included attendance at the special Inter-University Council Workshop on budget and additional briefings by the President on University matters. She said it made her possessive of the University even in this early stage of membership on the Board.

Mr. Rohr commented on the pleasant experience that the Friday lunch with residence hall staff and students had provided. He said he found that students understood the need for increased rates, but that they hoped that better maintenance would accompany rising costs, something he assured them would happen. He expressed appreciation to Mr. Lavelle and Mr. Bush for the many things he knew they were called to do as residents of Athens, that commuting members were not called on to do.

Mr. Axline reported positive reports from alumni organizations, and good progress on renovation of the Konneker Alumni Center. He commented on his successful experience in hosting a student extern and expressed the hope that this program would be encouraged.

President Ping had no further comment. Mr. Lavelle responded to the invitation to comment by declaring the meeting adjourned.

IX. ADJOURNMENT

Adjournment occurred at 10:15 A.M.

X. 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 15, 1975, in accordance with Section 121.22(F) of the Ohio Revised Code and of the State Administrative Procedures Act.

William A. Lavelle
Chairman

Robert E. Mahn
Secretary



OHIO UNIVERSITY

**UTILITIES DISTRIBUTION SYSTEMS
STUDY**

H. A. WILLIAMS AND ASSOCIATES, INC.

CONSULTING ENGINEERS

COLUMBUS, OHIO 43220



UTILITIES DISTRIBUTION SYSTEMS STUDY
AT
OHIO UNIVERSITY
ATHENS, OHIO

FOR
THE BOARD OF TRUSTEES
OF
OHIO UNIVERSITY

Prepared by

H. A. WILLIAMS AND ASSOCIATES, INC.
Consulting Engineers
980 West Henderson Road
Columbus, Ohio 43220

February, 1981

Job No. 80146

TABLE OF CONTENTS

	<u>PAGE NO.</u>
I INTRODUCTION	1
II EXECUTIVE SUMMARY	2
IIA IMPROVEMENT PROGRAM SUMMARY	3
III EXISTING UTILITY SOURCES	9
IV EXISTING UTILITY DISTRIBUTION	11
A. STRUCTURAL CONDITION OF TUNNELS	11
B. STEAM AND CONDENSATE PIPING SYSTEM	19
C. DOMESTIC HOT WATER PIPING SYSTEM	22
D. OUTAGE CONTROL PROBLEMS	23
E. ENERGY WASTE	24
F. TUNNEL ELECTRICAL SYSTEMS	25
G. ELECTRICAL SUBSTATIONS	26
V UTILITY CONSERVATION OPPORTUNITIES	27
A. TRANSFER OF HEATING LOADS FROM NATURAL GAS TO OHIO COAL	27
B. UTILITY SUBMETERING	27
C. CHILLED WATER SYSTEM INTERCONNECTION	28
D. ELECTRICAL POWER FACTOR CORRECTION	29
VI PRIORITIES	30
A. RELIABILITY AND SAFETY	30
B. OUTAGE CONTROL AND IMPROVEMENTS	30

C.	CAPACITY IMPROVEMENTS	30
D.	REDUCTION OF ENERGY USE THRU CONSERVATION IN EXISTING SYSTEMS	30
E.	NEW CONSERVATION OPPORTUNITIES	31
VII	IMPROVEMENT PROGRAM	32
A.	RELIABILITY AND SAFETY	32
1.	SOUTHEAST TUNNEL EXTENSIONS	
2.	PRESIDENT STREET TUNNEL REPLACEMENT	
3.	PARK PLACE AND ADJACENT MULBERRY STREET TUNNEL RENOVATIONS	
5.	DOMESTIC WATER HEATERS	
B.	OUTAGE REDUCTION AND IMPROVEMENTS	33
1.	OUTAGE CONTROL SYSTEM ADDITIONS	
2.	NEW RICHLAND AVENUE TUNNEL ADDITION AT PORTER	
3.	NEW JEFFERSON HALL TUNNEL ADDITION	
4.	TUNNEL REPAIRS AND LIGHTING ADDITIONS	
A.	MANHOLE AND SUPPORTS	
B.	UNIVERSITY TERRACE TUNNEL RENOVATION	
C.	TUNNEL LIGHTING REPLACEMENT	
5.	ELECTRICAL PRIMARY TIE LINES	
A.	ALDEN LIBRARY TO MORTON MATH	
B.	ALDEN LIBRARY TO CHUBB LIBRARY	
C.	RADIO AND TV TO MUSIC BUILDING	
D.	RADIO AND TV TO CHUBB LIBRARY	
C.	CAPACITY IMPROVEMENTS	34
1.	STEAM CAPACITY IMPROVEMENTS	
A.	CROOK HALL MAIN AND TUNNEL	
B.	WEST GREEN TUNNEL	
D.	REDUCTION OF ENERGY USE THRU CONSERVATION IN EXISTING SYSTEMS	35
1.	REDUCTION OF STEAM AND CONDENSATE LOSS	
2.	INSULATION IMPROVEMENTS	
A.	REPAIR STEAM LINE INSULATION	

- B. REPLACE STEAM LINE INSULATION
- C. REPAIR CONDENSATE LINE INSULATION
- D. REPAIR HOT WATER LINE INSULATION
- E. NEW CONSERVATION OPPORTUNITIES
 - 1. GAS HEATING FOR SOUTH GREEN
 - 2. UTILITY SUBMETERING
 - 3. CHILLED WATER INTERCONNECTION
 - A. ALDEN-ELLIS INTERCONNECTION
 - B. CHUBB-BENTLEY INTERCONNECTION
 - C. BAKER CENTER, RADIO - T.V., KANTNER INTERCONNECTION

FIGURES

<u>FIG. NO.</u>	<u>PAGE NO.</u>
1. PLAN OF EXISTING STEAM AND HOT WATER PIPING	5
2. PLAN OF PROPOSED TUNNEL EXTENSIONS AND IMPROVEMENTS	6
3. PLAN OF FINAL STEAM AND HOT WATER DISTRIBUTION PIPING	7
4. COAL CONSUMPTION	8
5. CEILING SPALLING IN MULBERRY STREET TUNNEL	13
6. DETERIORATED CEILING REINFORCING BARS AND WIRING IN MULBERRY STREET TUNNEL	14
7. DETERIORATED CONCRETE CEILING AND WIRING SUPPORT IN MULBERRY STREET TUNNEL	15
8. BLOCKED ACCESS, NO INSULATION, OLD VALVES, UNSUPPORTED WIRING IN MULBERRY STREET TUNNEL AT CONNECTION TO UNIVERSITY TERRACE TUNNEL	16
9. DETERIORATED INSULATION AND PIPING IN TUNNEL TO UNIVERSITY CENTER	17
10. DETERIORATED ANCHOR, PIPE AND INSULATION IN PRESIDENT STREET TUNNEL	18



I. INTRODUCTION

This study was initiated at the request of William Charles Culp, Director of the Physical Plant for Ohio University.

The primary objective of this study has been to investigate tunnel utilities and make recommendations for corrections and improvements so that requests can be made for funding of a 10 year utility distribution improvement program. Priority considerations for the program are energy savings payback, future expansion and maintenance needs.

We acknowledge the invaluable assistance and recommendations of Messrs. P. T. Farley and James White and their staff in operations and maintenance. Without their help, this report would not be possible.

II EXECUTIVE SUMMARY

Despite the advantages and benefits of the modern energy sources at Ohio University, there are severe shortcomings in some of the utility distribution systems. A great majority of the University's buildings are presently very vulnerable to a "heating emergency". Considering the deteriorated condition of the steam distribution system, (tunnels, pipes and supports), the University may consider itself very fortunate to not have experienced a recent major utility failure.

The pipe supports in sections of Mulberry Street and Presidents Street tunnels are badly deteriorated. A pipe support failure in these tunnels could cause a steam supply outage that would last many days. This would be critical in cold weather. Mandatory improvements to increase reliability, safety, and outage control, which should be completed as soon as possible, total to an estimated 8.4 million dollars.

Additional improvement projects, aimed at increasing capacity, reducing energy waste, and implementing new energy conservation opportunities, are highly recommended. Most are capable of paying for themselves within a few years. These improvements total an estimated 3.3 million dollars.

The following section II A, Improvement Program Summary, itemizes all projects along with their budgets. These projects are grouped under the headings of Reliability and Safety; Outage Reduction and Improvements; Capacity Improvements; Reduction of Energy Use Thru Conservation in Existing Systems, and New Conservation Opportunities.

Plans, graphs and photos contained within this report give the reader a quick overall view of the problems, and opportunities that exist.

If the recommendations of the report are carried out, and the utility distribution systems are upgraded to reasonable levels, substantial savings in operating costs and maintenance costs are anticipated and future system reliability will be greatly improved.

II-A IMPROVEMENT PROGRAM SUMMARY

ESTIMATED
COST 1981

A. RELIABILITY AND SAFETY

1) SOUTHEAST TUNNEL EXTENSION	
A) EXTENSION A - CLIPPINGER TO MORTON MATH	\$ 1,980,000
B) EXTENSION B - CLIPPINGER - PARK PLACE - RACE STREET	2,000,000
2) PRESIDENT STREET TUNNEL REPLACEMENT	1,210,000
3) PARK PLACE AND ADJACENT MULBERRY STREET TUNNEL RENOVATIONS	1,552,000
4) PRIMARY ELECTRICAL PROTECTION	53,000
5) DOMESTIC WATER HEATERS	231,000
SUB-TOTAL A.	\$ 7,026,000

B. OUTAGE REDUCTION AND IMPROVEMENTS

1) OUTAGE CONTROL SYSTEM ADDITIONS	\$ 150,000
2) NEW RICHLAND AVENUE TUNNEL ADDITION AT PORTER	280,000
3) NEW JEFFERSON HALL TUNNEL ADDITION	135,000
4) TUNNEL REPAIRS AND LIGHTING ADDITIONS	
A) MANHOLE AND SUPPORTS	20,000
B) UNIVERSITY TERRACE TUNNEL RENOVATION	620,000
C) TUNNEL LIGHTING REPLACEMENT	180,000
5) ELECTRICAL PRIMARY TIE LINES	200,000
SUB-TOTAL B.	\$ 1,585,000

C. CAPACITY IMPROVEMENTS

1) STEAM CAPACITY IMPROVEMENTS

A) CROOK HALL MAIN AND TUNNEL \$ 330,000

B) WEST GREEN TUNNEL 870,000

SUB-TOTAL C. \$ 1,200,000

D. REDUCTION OF ENERGY USE THRU CONSERVATION
IN EXISTING SYSTEMS

1) REDUCTION OF STEAM AND CONDENSATE LOSS \$ 90,000

2) INSULATION IMPROVEMENTS

A) REPAIR STEAM LINE INSULATION 30,000

B) REPLACE STEAM LINE INSULATION 460,000

C) REPAIR CONDENSATE LINE INSULATION 25,000

D) REPAIR HOT WATER LINE INSULATION 46,500

SUB-TOTAL D. \$ 651,500

E. NEW CONSERVATION OPPORTUNITIES

1) GAS HEATING FOR SOUTH GREEN \$ 1,700,000

2) UTILITY SUBMETERING 120,000

3) CHILLED WATER INTERCONNECTION

A) ALDEN-ELLIS INTERCONNECTION 80,000

B) CHUBB - BENTLY INTERCONNECTION 68,000

C) BAKER CENTER, RADIO - TV, KANTNER
INTERCONNECTION 105,000

SUB-TOTAL E. \$ 2,073,000

TOTAL A. THROUGH E. \$ 12,535,500

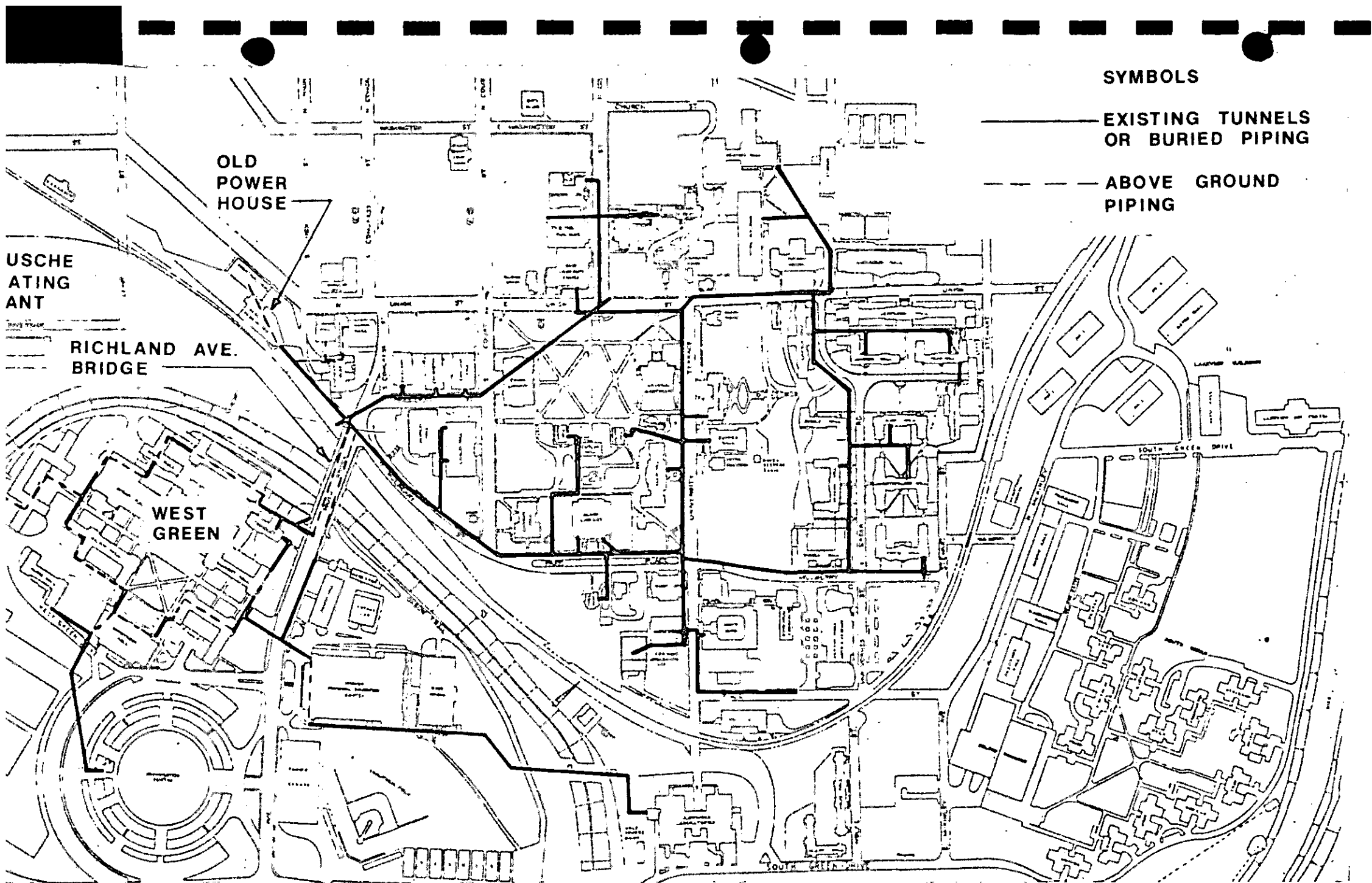


FIG. 1
PLAN OF EXISTING STEAM & HOT WATER PIPING



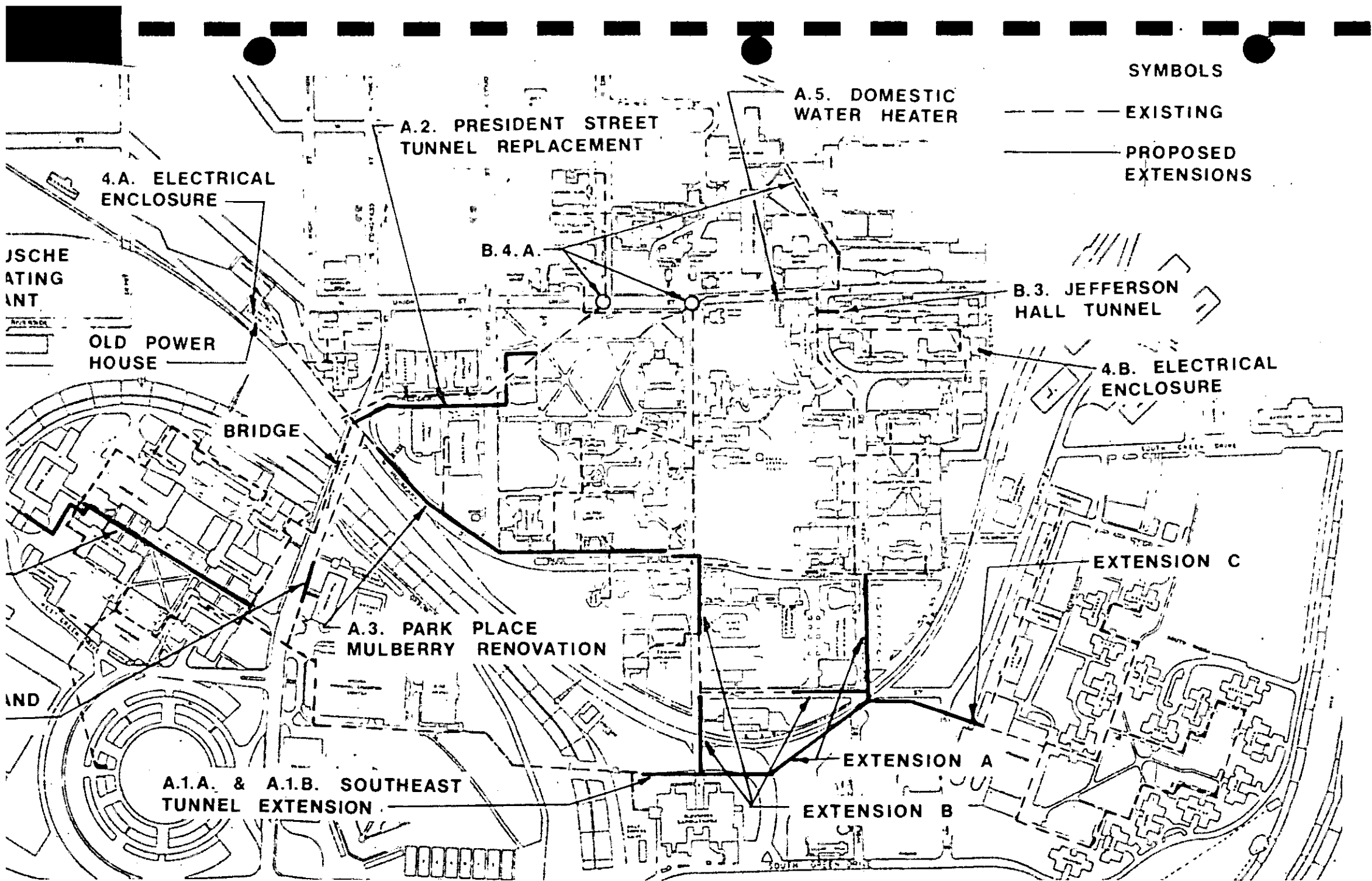


FIG. 2
PLAN OF PROPOSED TUNNEL EXTENSIONS & IMPROVEMENT



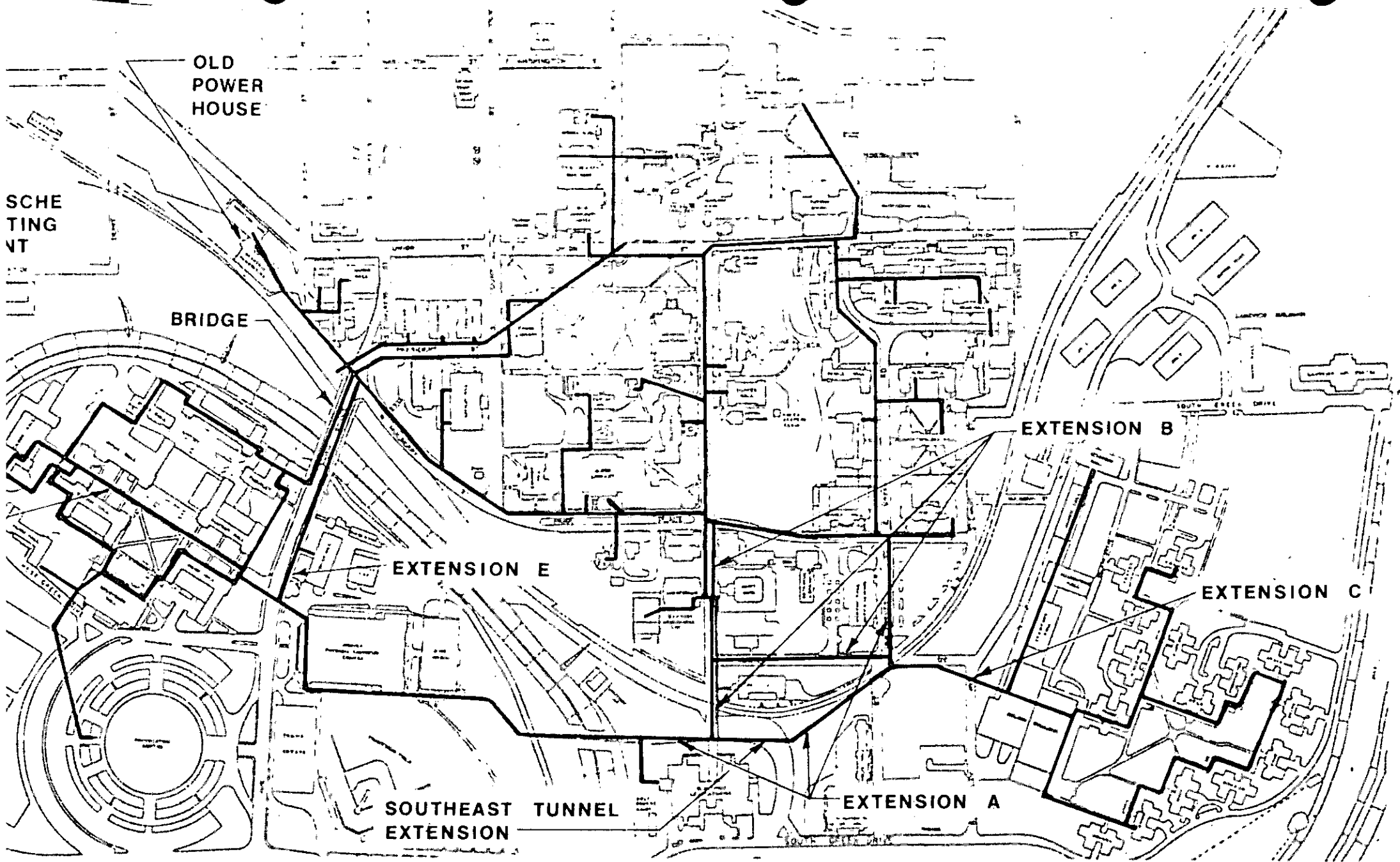


FIG. 3
PLAN OF FINAL STEAM & HOT WATER PIPING DISTRIBUTION

COAL CONSUMPTION

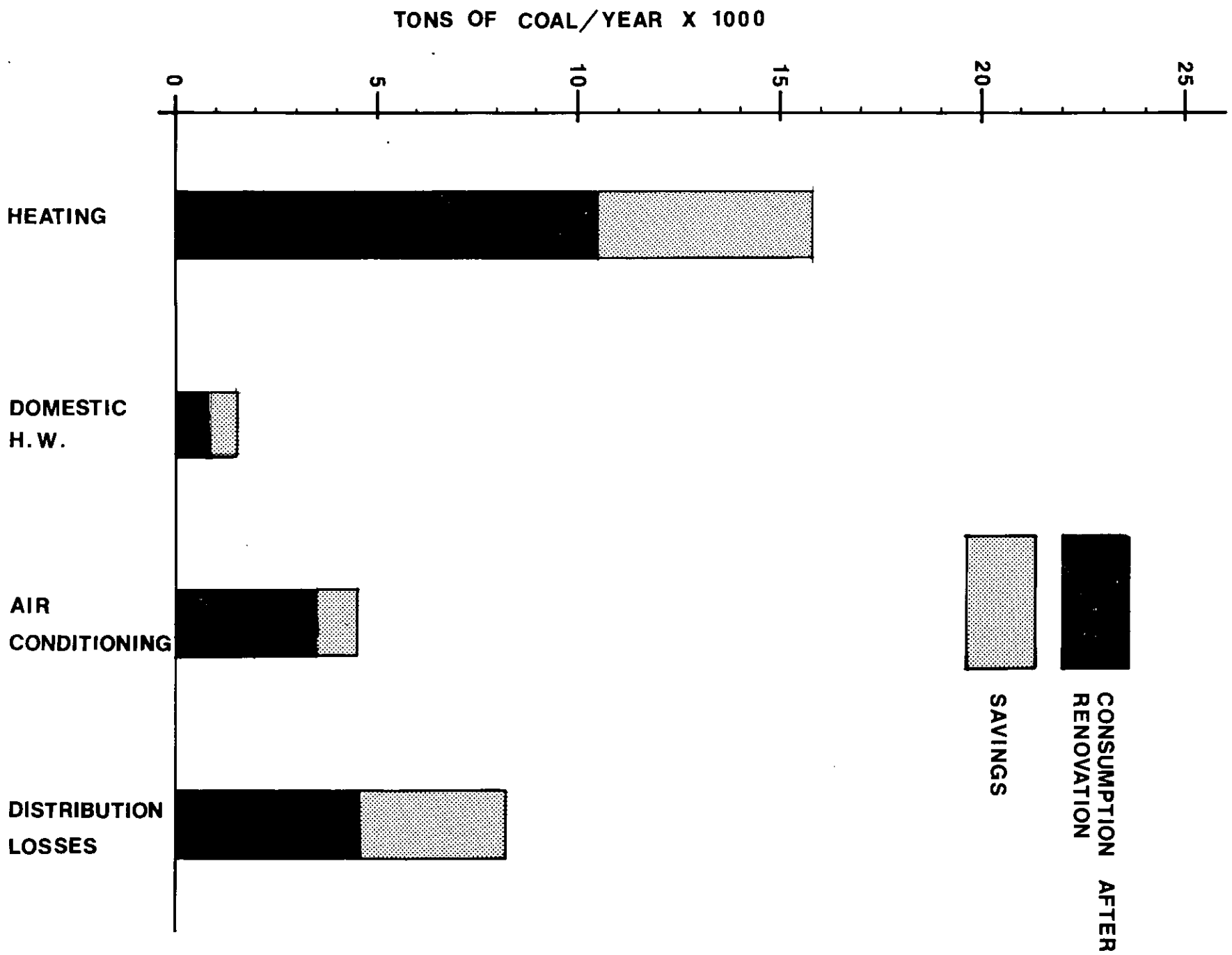


FIG. 4



III EXISTING UTILITY SOURCES

Ohio University's student population utility needs are primarily served by a new, modern, coal fired heating plant. The capacity of this plant is adequate to meet projected needs in accordance with criteria outlined in the SUMS, Space Utilitization and Management Study of December 1979, which projects a maximum student population of 15,000, while actually calling for a reduction in building space.

It is anticipated that any increases in energy needs from this plant can be offset through the many energy conservation measures that present themselves.

Present cost of steam production from this facility are remarkably low as it is being operated with inexpensive Ohio coal.

Considerable areas of the Residence Hall complexes are presently heated with natural gas.

Steam generated in the boiler plant is used to heat most of the campus buildings; heat domestic water for shower, laundry, food service and other needs; cool certain buildings through the use of absorption air conditioning and provide miscellaneous steam supplies to labatory and medical buildings.

Electrical power is purchased from Columbus and Southern Ohio Electric Company with delivery at two locations. Tie lines insure reliable service. The primary service was recently upgraded to 12,470 volts with portions of the former 2,400 volt system being used for short sub-feeds within small groups of buildings in a general area.

The primary electrical system is adequate for the projected future needs and is so structured that it lends itself to easy extension or expansion.

Although the Lausche heating plant and primary electrical system are new and adequate, many problems exist within the utility tunnels and their distribution systems.

IV. EXISTING UTILITY DISTRIBUTION

The majority of energy distributed to campus buildings travels through underground steam pipes in the utility distribution tunnels. In these same tunnels are the condensate pipes, returning the condensed steam to the boiler plant; domestic hot water supply and return pipes servicing the washing and cooking needs of the campus; and miscellaneous electrical feeds.

Many portions of the existing tunnels and piping systems have deteriorated to a critical state. Conditions have become ripe for potential failures, which could cause extended loss of steam heat supply, and result in extended school shut down and building freeze ups.

Even when systems are operating to their peak capacity, loss of pressure and temperature in piping system result in inadequate capacity in buildings remote from the Lausche Heating Plant.

Fortunately, the electrical power system has been recently upgraded and does not suffer from age and a lack of capacity as the piping systems do.

A. STRUCTURAL CONDITION OF TUNNELS

Before the piping and electrical systems within the tunnels can be described, an evaluation of the structural condition of the tunnels, themselves, is mandatory. Many of the tunnels, built in the early 1900's, are in very poor condition. The recently constructed tunnels are in good condition except for a few sections where water leakage from manholes must be corrected.

The tunnel in need of the most repair is under West Mulberry Street between the Richard Avenue bridge and University Terrace. The pipe supports are in critical condition. A pipe support failure in this area could result in a shut down of a major portion of the campus heating system. Forty percent of the tunnel walls and ceiling are in very poor condition with severe concrete spalling and deteriorated reinforcing steel. This tunnel will have to be shut down and all utilities removed for all the repairs to be made.

Severe spalling has also been found in extensive areas of other tunnels as follows can be seen in Figs. 5, 6 and 7. Large areas of concrete have come loose from the ceilings of some of the tunnels, exposing the reinforcing bars. If the spalling of concrete and deterioration of reinforcing bars is allowed to continue, tunnel collapses will result.

Deteriorated or detached pipe supports and anchors are also located in the following areas: the President Street and South Court Street intersection (see Fig. 10) and the tunnel to the Music Buildings. If pipe supports are not repaired in these areas, where heavy corrosion has occurred, an eventual steam main dislocation and/or failure is likely.

The presence of water in the tunnels has also been found in many different locations. Water laying in the tunnels can cause electrical short circuits, breakdown in insulating materials due to mold and mildew growth, and deterioration of metal (pipe supports, anchors, reinforcing bars) and concrete.

The following is a listing of the most seriously deteriorated tunnel areas observed:

1. Pipe supports in ceiling of Mulberry Street tunnel from electric substation to University Terrace are in critical condition. Steps should be taken immediately to bolster the support until such time as they can be replaced. (See Figs. 5, 6, 7).
2. Severe spalling is occurring in the Mulberry Street tunnel ceiling, from the electric substation to University Terrace. The spalling is due to water seepage which is also rusting the pipe support beams. In some areas the re-steel is completely rusted through which leaves an unreinforced concrete slab as the only means of support for the pipes and the earth above. (See Figs. 5, 6, 7).
3. The pipe anchor support at the intersection of President Street and South Court Street is in critical condition. Due to the expansion and contraction of the steam pipe, the pipe has buckled the horizontal support member and crumbled the masonry vertical support. (See Fig. 10).



FIGURE 5

Mulberry Street Tunnel, in front of Alden Library, showing severe spalling of tunnel ceiling and exposed reinforcing bars.





FIGURE 6

Mulberry Street Tunnel, between Alden Library and University Terrace,
showing deteriorated ceiling, reinforcing bars and wiring supports.



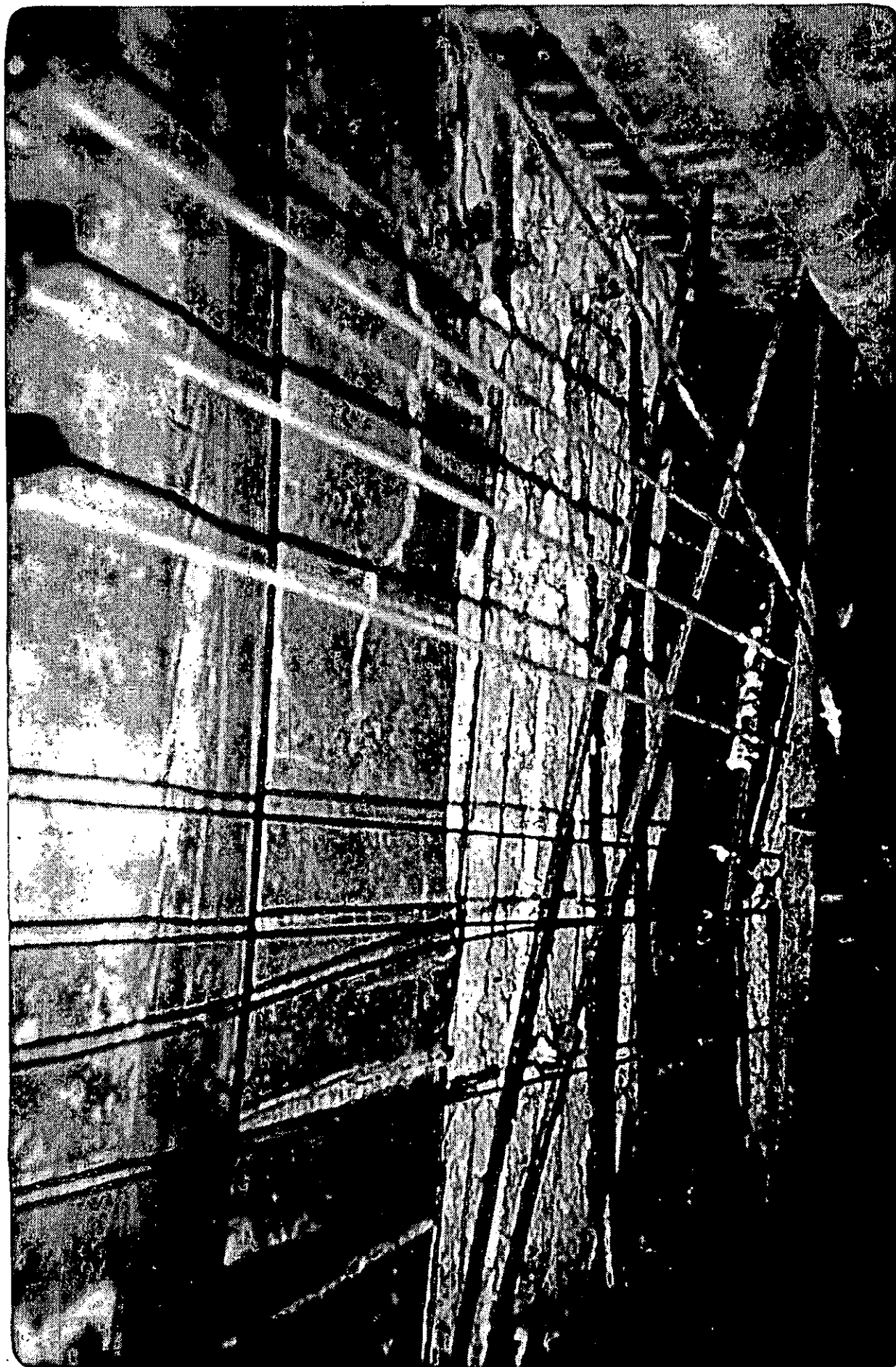


FIGURE 7

Mulberry Street Tunnel, between Alden Library and University Terrace, showing concrete ceiling and wiring supports.



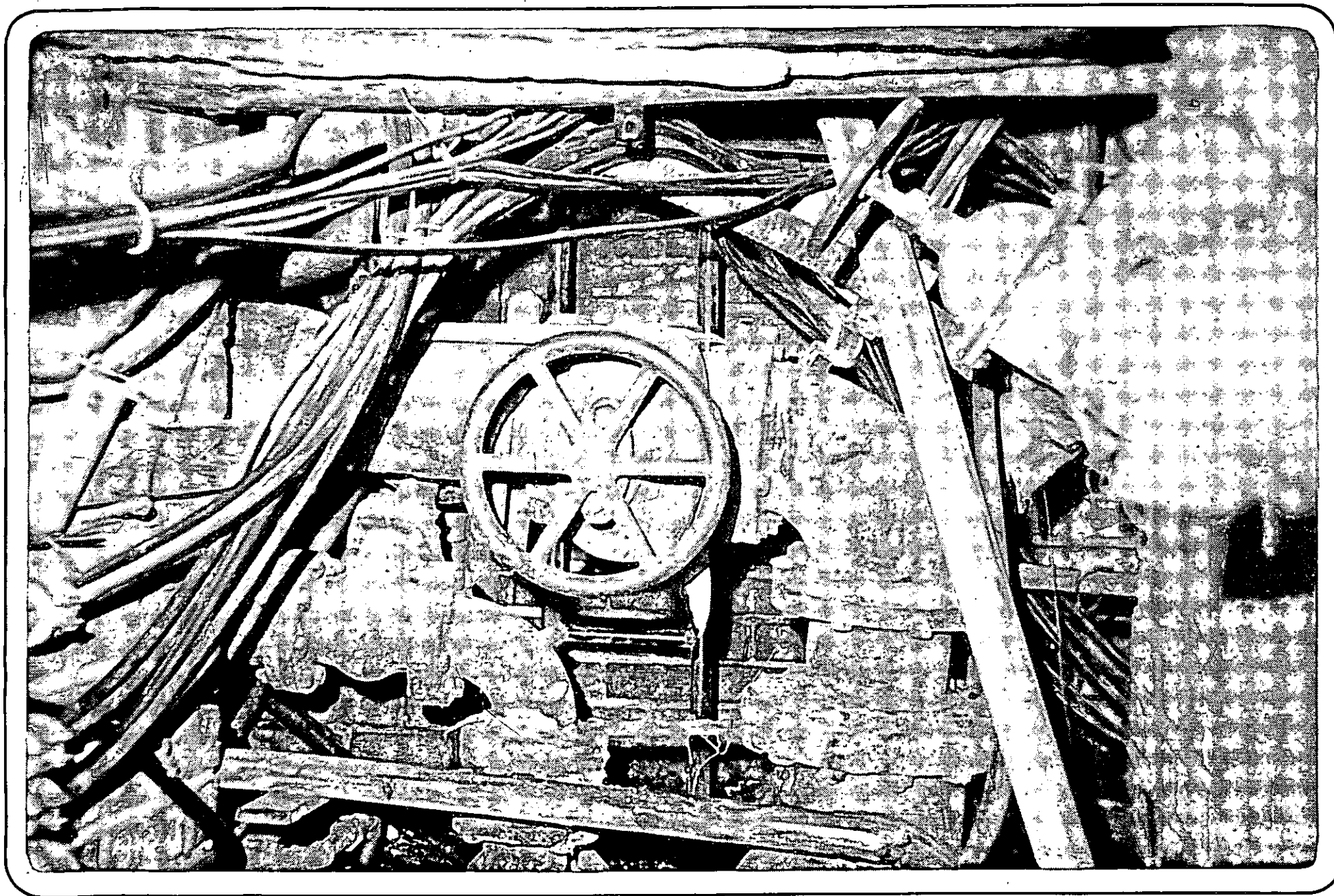


FIGURE 8

Intersection of Mulberry Street and University Terrace Tunnels showing blocked access, lack of insulation, old valves and unsupported wiring.



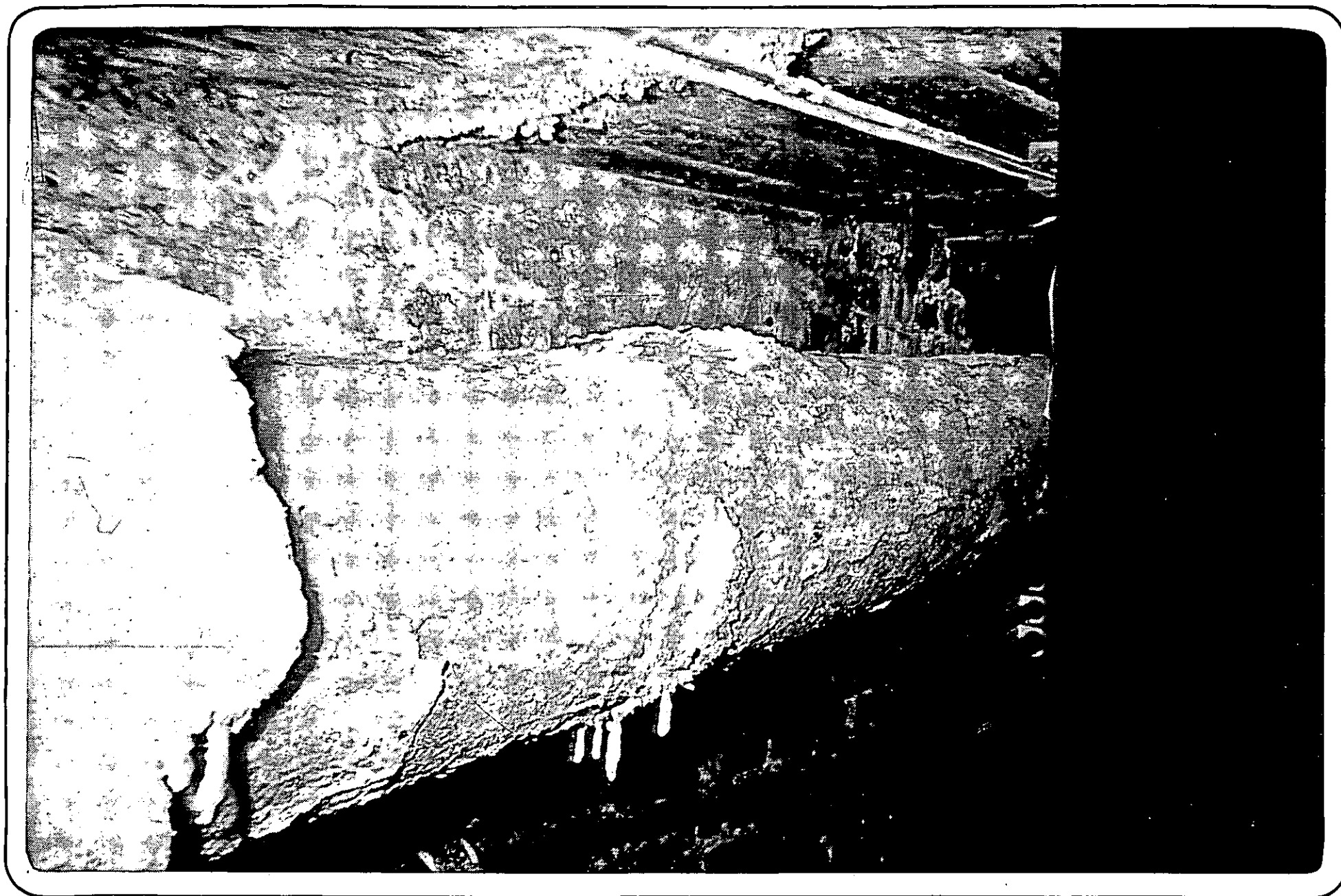


FIGURE 9

Deteriorated insulation and piping which is almost rusted through in the tunnel branch to University Center.





FIGURE 10

Deteriorated anchor, pipe and insulation in President Street Tunnel.
Deteriorated ceiling and improperly supporting wiring shown above.



4. The pipe support racks for the steamlines in the tunnel to the music buildings is rusting severely at the bottom due to standing water. The water does not drain from the level areas, thus the feet of the pipe stands remain in the water most of the time. The pipe stands closer to Seigfred Hall are severely rusted and should be replaced first.
5. At the intersection of the tunnels at Union Street and College Street, the concrete is severely spalled and the reinforcing steel is rusted through. This could be the result of salt water seeping through the manhole above.
6. Severe spalling and water seepage in ceiling and walls of tunnel under University Terrace from Park Place to Tupper Hall. Reinforcing steel is exposed and rusted through, leaving an unreinforced top slab.
7. Severe spalling and water seepage in ceiling and walls of tunnel under President Street. The reinforcing steel is exposed and rusted.
8. On University Terrace at Pearl Street the floor surface is buckled (separated from lower concrete probably at re-steel layer) and water seepage from ceiling, walls and possibly the floor.
9. At the manhole in the intersection of Union Street and University Terrace there is severe spalling with exposed re-steel. This is due mainly to the seepage of salt water through the manhole from the street above.

B. STEAM AND CONDENSATE PIPING SYSTEM

Until 1966 campus steam was generated at the old Power House on the north side of the railroad right-of-way. Steam tunnels connected lines with most buildings. As the campus grew, the tunnel network was extended and more buildings added to the old system. Steam was later extended to the new buildings on west green via piping supported from the underside of the old Richland Avenue bridge.

When the new Lausche heating plant was constructed in 1966 the flow of steam and condensate under the Richland Avenue bridge was reversed and then an additional set of lines added to increase pipe capacity and to provide a second supply in the event of a failure.

Two basic problems developed with the boiler plant move. First, the old steam piping system, already overloaded, was now placed even further from the plant and the resulting combined pressure loss became excessive. Secondly, the entire campus north of the old Richland Avenue bridge was placed in a precarious position in the event of a problem with the old bridge or the lines under the bridge. It is expected that the buildings served by these lines would freeze before service could be restored in the event of a cold weather disaster with the bridge.

1. STEAM PIPING

Most of the steam piping network south of the B & O railroad track is new, and of ample capacity to serve buildings south of the railroad track. However, when the load from the campus north of the railroad is added, the capacity of certain sections of the campus piping south of the railroad becomes critical.

The 16" line under Crook Hall has too high a velocity of steam and therefore has an excessive pressure loss.

The 14" and 16" lines through the garages of the West Green residence halls are heavily loaded. Many of the garage areas will be converted to occupied space and therefore become unsuitable locations for campus steam main lines in the future.

Sections of the 14" steam line on the east side of Richland Avenue are direct burial and should be replaced with new lines in tunnels.

The two main piping sections just north of the bridge, Mulberry Street and President Street, each exhibit its own particular problem.

Most of the piping in the Mulberry Street tunnel in the vicinity of Park Place is in dangerously poor condition. Pipes have worn themselves thin on supports and then been rolled to transfer the wear point to a new area to keep from rubbing holes through the pipes. Many of the piping supports have almost rusted through, creating a condition where a failure could occur.

The piping in the President Street tunnel is old and the tunnel is so small it is extremely difficult to get someone into the tunnel to repair the pipe. Several supports and anchors have rusted loose.

A major failure in either the Mulberry Street lines or President Street lines, in cold weather would effectively put most of the campus north of the railroad out of steam. Beyond these tunnel sections the maximum pipe size is 8", sections of which are greatly overloaded.

The Union Street tunnel from College to University Terrace and from University Terrace to East Green are overloaded.

Pressure in the Lausche Heating Plant has to be boosted excessively to maintain even the slightest pressure in the heating mains at the Northeast Quadrant of the campus in cold weather. Steam travels a mile through piping before it reaches this area so that losses are excessive, especially in the undersized piping.

The piping arrangement causes a major blockage at the intersection of Mulberry and University Terrace tunnels, as well as at the intersection of University Terrace and Union Street tunnels. Tight or impossible access at certain tunnel points make surveillance of piping systems and maintenance extremely difficult and, in some cases, dangerous. (See Fig. 8).

2. CONDENSATE PIPING

The condensate return system consists of a piping network with main vacuum pumps in the boiler house. Old vacuum and pressure pumps in the old boiler house draw the condensate from the campus north of the railroad back to that point, then boost it to the Lausche Heating Plant. Condensate pumps in Edgehill and Shively

Hall pump condensate up the hill so that the vacuum pumps can handle it. In the event of failure or problems with these condensate pumps, large quantities of condensate must be dumped until repairs are made. Piping is undersized in many locations. Additional pumping capacity would help return condensate to boilers to reduce losses.

C. DOMESTIC HOT WATER PIPING SYSTEM

Until the Lausche heating plant was constructed in 1966, most of the domestic hot water for campus buildings was heated at the old power house. Construction of the new heating plant has caused a similar evolution in the domestic hot water system, as has occurred to the steam system.

Today, cold water is softened in the new heating plant for boiler make-up as well as for domestic hot water. Instantaneous heaters maintain a steady stream of hot water into the distribution piping system. This water flows through piping in the West Green, and then through the pipes supported from the Richland Avenue bridge to serve the main campus buildings.

This system, like the steam distribution system, is approximately a mile in length, and frequently in cold weather as well as some times during the rest of the year, the systems temperature and pressure drops to unsatisfactory levels. In an effort to minimize this problem, a hot water booster installation is operated in the old power house. Whenever the pressure in the piping mains drops below pressure at the old power house, additional hot water is forced into the line through a check valve. This water is softened and heated with steam in a storage tank heater.

These extremely long piping runs to the remote portions of campus, frequently through uninsulated lines, causes the water to cool, this in turn requires use of a higher than normal percentage of hot water. The increased demand then creates excessive flows through piping system causing excessive pressure losses, in some cases resulting in no hot water at all.

D. OUTAGE CONTROL PROBLEMS

1. STEAM AND CONDENSATE DISTRIBUTION SYSTEMS

When a piping failure occurs, the effect can be minimized and localized when proper outage control systems and conditions exist.

With reasonable redundant supply capacity and adequate valving, most outages can be kept under close control, affecting a minimum number of buildings and people. Many new valves are needed to permit isolation of sections of piping and buildings. Existing pipe capacity is inadequate to supply winter demands under normal conditions, and is grossly undersized to supply additional areas in the event of a pipe line failure. Vast areas of campus would have to be closed in the event of a failure in a major line in severe weather.

Even if pipe capacity was increased, significant additional problems exist in the tunnels at Ohio University.

Outage control systems are operated by maintenance personnel who enter the tunnel systems and position valves so minimum outages occur. They then repair or correct the problem and restore systems to full operation.

Many areas in the tunnel systems are so hot, and passage so tight, that personnel would be unable to exercise maintenance efforts until large sections of piping were turned off, portable ventilating fans placed in operation, and time allowed to pass until tunnel walls cooled to a temperature level permitting entrance by maintenance personnel.

The high temperature conditions exist because of insufficient or inadequate capacity of ventilating fans and openings to keep tunnels at reasonable temperatures and excessive heat build-up due to lack of insulation or deterioration of insulation on piping system. Condensate lines and hot water lines were not insulated in some locations. Dripping water, age, steam leaks, and maintenance work have all taken their toll on much of the rest of the insulation.

The tight accessibility has been caused by inadequate system design and installation. Insufficient allowance has been made for the maintenance of the tunnel distribution systems. Tight tunnels and tight clearances caused by improper pipe installation, coupled with inadequate insulation, makes passage through the tunnels and maintenance work unsafe.

In the event of a major problem in the tunnels, many areas are without reasonable access for new piping materials, for repair or replacement. These tunnel sections need pipe slides to permit entrance of long pipe sections and other materials.

2. DOMESTIC HOT WATER DISTRIBUTION SYSTEMS

Problems in this system are similar to those in the steam and condensate distribution system, but much less severe. Outages with loss of hot water are usually more of an inconvenience, rather than a real emergency as is the case with the steam lines.

The same hazards which affect repairs of the steam and condensate distribution systems, affect repairs in the hot water system.

Insufficient valving of tunnel hot water lines result in outages affecting more buildings than necessary.

3. ELECTRICAL DISTRIBUTION SYSTEM

The loss of a main feeder to a load center would result in an extensive outage until the feeder was repaired.

E. "ENERGY WASTE"

Energy and dollars are wasted when piping sections are placed in service without insulation. A tunnel environment can be very hostile to insulation and it periodically needs to be repaired. The dampness from steam leaks and tunnel water seepage attack all but the very best of insulation jackets, causing them to deteriorate or fall off. This adds to the ventilation and access problems. (See Figures 9 and 10).

Present usage of water make-up to the boilers are excessive due to leaks. This causes an additional expense of heat to preheat the new water as well as costs for softening and treatment. All steam and condensate systems throughout the tunnels, as well as the buildings, should be monitored to minimize leaks.

F. TUNNEL ELECTRICAL SYSTEMS

Serious electrical safety problems exist throughout much of the older sections of the tunnels. Much of the 120 volt electrical system and portions of the auxiliary electrical system running through the tunnels is in need of immediate repair or replacement.

During the field survey, many hazardous or potentially hazardous conditions were encountered. The most serious situation is the obsolete open-wire-on-racks lighting circuits throughout the older sections of the tunnels. Many of the open, poorly insulated wires, typical of the open-wire-on-racks systems, are free of their hangers and are dangling from the tops of the tunnels. With water covering the floor, in many areas, these dangling wires present a very serious shock hazard.

The condition of the wire-on-racks wiring systems precludes repairing these systems at this time as continuing future deterioration, from the moisture in the tunnels, will eventually make complete replacement necessary. With few exceptions this wiring is in violation of Article 320 of the National Electrical Code. It is recommended that all sections of tunnel east of the Mulberry Street -Presidents Street intersection, excluding: (a) the section of Mulberry from South Bridge Street to South Court Street; (b) the Race Street section below Scott Quad; (c) the branchings from East Union to Seigfred Hall; (d) the College Street section from East Union; and (e) the takeoffs to individual buildings be equipped with a "vapor-tight" lighting system similar to that which has proven to be successful in the new sections of tunnel.

Duplex receptacles should be installed at 100 foot intervals.

In some areas, the 13 KV and 2.4 KV electrical cables have become detached from their wall rack supports and are laying on the tunnel floors.

G. ELECTRICAL SUBSTATIONS

The recloser at the old Power House has exposed 13 KV live parts. These parts are elevated such that personnel working at floor level would be relatively safe. However there is the possibility of accidental contact with metal objects such as rods, pipes, etc., which may be handled at floor level or from ladders or scaffolding. The area is normally locked and thus supposedly accessible only to authorized personnel, but authorized personnel also should be protected.

Feeder disconnects at the Jefferson Hall Substation, having open pole type 2400 volt fused disconnects, are now located in a corrugated sheet metal enclosure. To open or close the switches with a "hot stick" a person must enter the enclosure from one end. Live parts are dangerously close to the floor (earth) and there is only one exit from the enclosure.

V. UTILITY CONSERVATION OPPORTUNITIES

Seldom does an opportunity present itself where economy of scale exists to the extent it does here to enhance the renovation or modification of a utility distribution system. Several opportunities present themselves which offer long term benefit.

A. TRANSFER OF HEATING LOADS FROM NATURAL GAS TO OHIO COAL.

The entire South Green residence hall complex is presently heated with natural gas. Present operating cost for this gas is \$285,000 per year, and expected to triple in approximately five (5) years.

Once the badly needed south loop tunnel extension is installed, another five hundred feet of tunnel will connect the Lausche Heating Plant to Nelson Commons. The overhead walkways provide a structure for steam line extension from Nelson Commons to the other South Green residence halls.

Connecting these buildings to the existing coal fired Lausche Heating Plant, and providing the necessary controls and heat exchange equipment would permit operating cost for heat to drop from the present cost of \$285,000 for gas to \$145,000 for coal.

Estimated construction cost for this change is \$1,700,000, showing a 12 year simple payback at present gas rates (3 years at estimated 1986 gas rates).

B. UTILITY SUBMETERING.

The majority of campus buildings are heated with steam, receive domestic hot water from the Lausche Heating Plant and many are cooled with absorption air conditioners which operate from steam. None of these utilities are metered, resulting in no proper way to allocate operating

costs of buildings, no way to monitor the efficient use, or waste of energy by buildings and systems, and no way to monitor leaks or other problems in the buildings.

By installing meters on piping to these buildings, this information will be made available. Current costs of operation for these utilities are estimated at \$67,000/year to heat domestic water, \$1,040,000/year to heat buildings and \$111,000/year to cool with absorption air conditioning. An estimated annual savings of 3% of this total of \$1,218,000, due to better operating information, yields a savings of \$36,000 each year.

Estimated construction costs for measuring these utilities is \$120,000, half of which is for condensate metering and half for hot water measurement. This shows an average payback of 3 years at current energy rates.

C. CHILLED WATER SYSTEM INTERCONNECTION.

There are dozens of independent air conditioning units and air conditioning chillers scattered across the campus. Most of these units are located in academic or office buildings. These separate units normally operate at far below 100% capacity, thus resulting in a greatly reduced operating efficiency. The older absorption machines are particularly inefficient at part load.

In a few cases, these chillers are in adjacent buildings and can, therefore, be connected together through piping and controls. With one unit turned off under most conditions, the operating efficiency can be greatly improved.

Alden Library has a 550 ton steam absorption unit and Ellis Hall has a 275 ton steam absorption unit. The interconnection of these units should save approximately \$14,500 per year in steam costs, and \$10,500 per year in associated electrical pumping costs.

Estimated construction cost for this change is \$80,000, showing a 3.2 year simple payback.

Chubb Library and Bentley Hall are two additional buildings which appear to show the same opportunity. However, the additional distance between the buildings raises the construction cost to \$68,000 in spite of the smaller pipe required, and the size of the building savings drops to approximately \$12,000, showing a 5.6 year simple payback.

Baker Center, Radio - T.V. and Kantner interconnection of cooling plants require the conversion to chilled water in Kantner, and one unit in Baker Center. Interconnection results in approximately \$7,500 per year savings. Estimated construction cost for this change is \$105,000 showing a 14 year simple payback.

This opportunity does not appear to present itself elsewhere, because electrically driven centrifugal chillers do not offer savings from an interconnecting system, due to high part load efficiencies, and due to higher construction costs.

D. ELECTRICAL POWER FACTOR CORRECTION.

Although this is a popular conservation measure, applied for years at industrial plants, we do not see significant potential for savings at this time at Ohio University. With the utility rate structure currently in force, little dollar savings would result from any power factor correction.

VI. PRIORITIES

Improvement priorities have been categorized under five (5) headings, in order of urgency.

A. RELIABILITY AND SAFETY:

1. Those items which will insure the continued operation of the majority of the campus facilities in the event of a significant utility failure.
2. Those items which are considered to be unsafe to personnel.

B. OUTAGE CONTROL AND IMPROVEMENTS:

1. Those items which will help localize a utility outage, or shorten the duration of the outage.
2. Those items which will help to prevent outages in the future.

C. CAPACITY IMPROVEMENT:

1. Those items which will eliminate the undersized sections of piping in the existing distribution systems.

D. REDUCTION OF ENERGY USE THROUGH CONSERVATION IN EXISTING SYSTEMS:

1. The reduction of energy used through the minimization of leaks in the distribution system.
2. The further reduction of waste by the addition of insulation to uninsulated lines, the repair of damaged areas and the addition of insulation to lines with insufficient insulation.

E. NEW CONSERVATION OPPORTUNITIES:

1. Those items which will conserve energy and/or dollars through changes in the campus utility systems.

The overall effect of these items have been estimated and are visually portrayed on the accompanying graph, FIGURE 4.

Additional campus areas, i.e., the residence halls of the South Green, can be heated with coal, and yet Ohio University can have a reduction in Lausche Heating Plant steam load through incorporation of the energy saving opportunities presented.

The recommended Improvement Program is outlined in the following section, along with estimated costs and with estimated savings where applicable.

VII IMPROVEMENT PROGRAM

Program based on February 1981 Costs, including fees and contingencies.

A. RELIABILITY AND SAFETY

1. SOUTHEAST TUNNEL EXTENSIONS

Tunnel extensions from Clippinger to the southeast end of the Main Campus steam system with an increase in steam line sizes at the east end of Main Campus steam system (see Campus Plan for locations), will provide a main feed to campus in the event of failure at bridge, in Mulberry Street, or in President Street. The installation of these lines is considered imperative to prevent severe building damage in the event of a major emergency.

A) Extension A will be an extension from Clippinger to Morton Math. The Union Street steam mains will increase from 8" to 12". \$ 1,980,000

B) Extension B will be extensions from Clippinger to Race Street, Scott-Quad to Park Place and Race Street to Van Vorhes. The Union and Mulberry Street mains will increase from 8" to 12". This plan does not service needs at the east end of the Main Campus as well as Extension A and does not provide for an extension to South Green in the future. \$ 2,000,000

2. PRESIDENT STREET TUNNEL REPLACEMENT

President Street tunnel replacement is needed from Mulberry Street to the vicinity of Chubb Hall. This will provide a second reliable steam feed to Main Campus and is necessary in case of an emergency with the new Southeast Tunnel. Due to the small size of the deteriorated existing tunnel, complete replacement is recommended. \$ 1,210,000

3. PARK PLACE AND ADJACENT MULBERRY STREET TUNNEL RENOVATIONS

Due to the severe deterioration of tunnel supports and piping, the complete rehabilitation of this tunnel is recommended after the new southeast tunnel and new President Street tunnels are in operation. \$ 1,552,000

4. PRIMARY ELECTRICAL PROTECTION

A. Installation of metal enclosure around reclosure at old powerhouse to protect maintenance personnel from electrical hazard.

B. Installation of a metal enclosed, weatherproof, distribution center to protect maintenance personnel from electrical hazard at Stewart Street Substation.

\$ 53,000 (1)

5. DOMESTIC WATER HEATERS

The existing supply is inadequate and excessively remote from the east end of Main Campus. The new southeast tunnel will not improve this condition. The installation of new water heaters and softeners in Edgehill House will bolster pressure and temperature on the Main Campus.

\$ 231,000 (2)

SUB-TOTAL A

\$7,026,000

B. OUTAGE REDUCTION AND IMPROVEMENTS

1. OUTAGE CONTROL SYSTEM ADDITIONS

The extent and duration of outages will be reduced by these improvements. Existing valves need to be repacked and in some cases rebuilt. New valves need to be added to provide more localized control. Tunnel ventilation needs to be improved to permit personnel to maintain or replace piping. Tunnel pipe slide access needs to be improved for access of new materials as well as tools and personnel.

\$ 150,000

2. NEW RICHLAND AVENUE TUNNEL ADDITION AT PORTER.

The existing steam tie line between the second bridge main and the west main of the West Green is a buried line. A new tunnel with new lines and valving will improve reliability.

\$ 280,000

3. NEW JEFFERSON HALL TUNNEL ADDITION

Present tunnel is extremely small and piping is deteriorating badly as it is immersed in water. Replace for future reliability.

\$ 135,000 (1)

4. TUNNEL REPAIRS AND LIGHTING ADDITIONS

A) MANHOLE AND SUPPORTS

Repairs are required at known areas of deterioration. Repair of these areas will reduce the probability of an outage.

General repairs need to be made near the manhole at University Terrace and College, the manhole at Union and University Terrace, and the pipe supports need to be repaired in the Seigfred Tunnel.

\$ 20,000

B) UNIVERSITY TERRACE TUNNEL RENOVATION

Complete rehabilitation of approximately 450 feet.

\$ 620,000

C) TUNNEL LIGHTING REPLACEMENT

Tunnel lighting is needed in the new tunnels, renovated tunnels and some other existing tunnels. Footage is approximately a mile, including the following areas:

President Street, Union Street, University Terrace, Park Place, Mulberry Street, East Green Drive.

\$ 180,000

5. ELECTRICAL PRIMARY TIE LINES

Provide new tie line and switching to provide alternate electrical feed when primary service is disrupted. The following 12.47 KV tie lines are recommended:

- A) Alden Library to Morton Math
- B) Alden Library to Chubb Library
- C) Radio and TV to Music Building
- D) Radio and TV to Chubb Library

\$ 200,000

SUB-TOTAL B

\$1,585,000

C. CAPACITY IMPROVEMENTS

1. STEAM CAPACITY IMPROVEMENTS

A) CROOK HALL MAIN AND TUNNEL

Undersize piping at Crook Hall reduces the availability of steam during severe weather. A second feed needs to be installed in a new tunnel.

\$ 330,000

B) WEST GREEN TUNNEL

Mains installed in West Green garages will ultimately be concealed above classroom ceilings. A new central tunnel through West Green needs to be installed.

\$ 870,000

SUB-TOTAL C

\$1,200,000

D. REDUCTION OF ENERGY USE THROUGH CONSERVATION
IN EXISTING SYSTEMS

1. REDUCTION OF STEAM AND CONDENSATE LOSS

The Lausche Heating Plant is reported to operate with a make-up water rate in excess of normal. Potential savings in operating cost are estimated at 31,350,000 lbs. of steam per year, or \$58,000 per year at current heating plant costs. A leak repair and trap replacement program is required to reduce this to acceptable limits.

\$ 90,000

2. INSULATION IMPROVEMENTS

A) REPAIR STEAM LINE INSULATION

A repair of steam line insulation would save an estimated 20,955,000 lbs. of steam per year, or \$38,766 per year.

\$ 30,000

B) REPLACE STEAM LINE INSULATION

A replacement of steam line insulation over the total steam system would add a savings to Item A) above of 8,025,000 lbs. of steam per year, or \$14,846 per year.

\$ 460,000

C) REPAIR CONDENSATE LINE INSULATION

A repair of condensate line insulation would save an estimated 5,964,000 lbs. of steam per year, or \$11,033 per year.

\$ 25,000

D) REPAIR HOT WATER LINE INSULATION

A repair of hot water lines and hot water return line insulation would yield an estimated savings of 3,487,848 lbs. of steam per year, or \$6,452 per year.

\$ 46,500

SUB-TOTAL D

\$ 651,500

E. NEW CONSERVATION OPPORTUNITIES

1. GAS HEATING FOR SOUTH GREEN

By extending a new tunnel with steam and condensate lines from the southeast tunnel to Nelson Commons, and then extending these pipes to the equipment rooms in the South Green Dorms via the underside of the overhead walkway, the boiler house could be used to heat these buildings. The savings in full cost would be \$140,000 per year at today's rates. (Projected 1986 rates indicate savings of \$420,000 per year)

\$ 1,700,000 (1)

2. UTILITY SUB-METERING

The installation of meters in condensate lines and hot water lines, would produce an estimated savings of \$36,000 per year

\$ 120,000 (2)

3. CHILLED WATER INTERCONNECTION

A) ALDEN - ELLIS INTERCONNECTION

An Alden Library and Ellis Hall inter-connection will yield an estimated savings of \$15,300 per year

\$ 80,000

B) CHUBB - BENTLEY INTERCONNECTION

A Chubb Library and Bentley Hall inter-connection will yield an estimated savings of \$12,000 per year

\$ 68,000

C) BAKER CENTER, RADIO - TV, KANTNER INTERCONNECTION

This interconnection would yield an estimated savings of \$7,500 per year

\$ 105,000

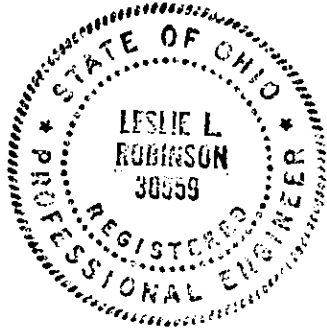
SUB-TOTAL E

\$ 2,073,000

TOTAL

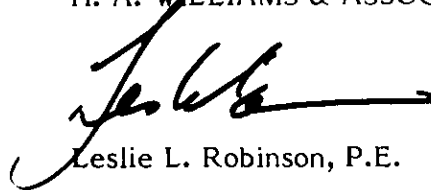
\$12,535,500

- (1) Services or improvements for Residence Hall auxiliaries.
- (2) Combination services or improvements for General Fund Residence Hall auxiliaries.



Respectfully submitted,

H. A. WILLIAMS & ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read "Leslie L. Robinson".

Leslie L. Robinson, P.E.

