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a report to the faculty of
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**VICE PRESIDENT
AND PRO VOST**

1977-78, No. 6 (16 pages)

February 3, 1978

FIRST FACULTY NAMED UNDER PROFESSIONAL LEAVE PROGRAM

The Board of Trustees on February 2, 1978 approved the President's recommendations for the first full-time faculty members to be selected under the University's new Faculty Improvement Program providing released time for study and/or research. The 12 participants are:

For the 1978-79 Academic Year:

Dr. Milan F. Dubravcic, Associate Professor of Chemical Technology
Dr. David L. Jones, Associate Professor of English
Dr. Jolita E. Kavaliunas, Associate Professor of Modern Languages
Dr. Laurence J. C. Ma, Associate Professor of Geography
Mrs. Arlene A. Toth, Instructor in English

For the Fall Semester 1978:

Dr. Charles M. Barresi, Professor of Sociology
Mrs. Patricia P. Godfrey, Associate Professor of Nursing
Dr. Frank J. Kendrick, Associate Professor of Urban Studies
Dr. R. Paul Merrix, Associate Professor of English

For the Spring Semester 1979:

Dr. Nada Ledinko, Professor of Biology
Dr. Sheldon B. Liss, Professor of History
Mr. Ronald D. Taylor, Associate Professor of Art

UNIVERSITY DATES

February 5 Concert by University Chamber Orchestra, Thomas Hall, 3 p. m.
Thomas Hall Blue Series presents Maynard Ferguson and Band, Thomas Hall, 8:15 p. m.
February 6 Chamber Music Series, with Cambini Wind Quintet, Guzzetta Hall, 8:15 p. m.
February 7 Thomas Hall co-sponsors concert by Roger Williams, 8:15 p. m.
February 8 Thomas Hall Theatre Series presents Same Time, Next Year, 8:15 p. m.
February 10 Annual luncheon meeting of Friends of Hower House, University Club, 12 noon.
February 12 Travel Series—Bill Madsen on "A New Look at Scotland", Thomas Hall, 2:30 p. m.
February 10-12, University Theatre presents Ibsen's Hedda Gabler, Experimental Theatre, Guzzetta
and 17-19 Hall, 8:15 p. m.
February 14 President's Open Faculty Forum, Kolbe Theatre, 3:30 p. m.
Tuesday Musical Concert, Camerata Orchestra of Salzburg, Thomas Hall, 8:15 p. m.
February 16 Regular meeting of University Council, Leigh Hall 307, 3 p. m.
February 24 Opera Don Giovanni, in English, Thomas Hall, 8:15 p. m.
February 26 Concert by University Symphony Band, Thomas Hall, 8:15 p. m.
February 28 Concert by Akron Symphony and Canton Symphony Orchestras, Thomas Hall, 8:15 p. m.

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MINUTES OF MEETING OF UNIVERSITY COUNCIL, January 19, 1978

The regular meeting of the University Council was called to order by the Chairman, Vice President Noel L. Leathers, at 3:05 p. m. on Thursday, January 19, 1978 in Leigh Hall Room 307.

Fifty-five of the 66 members of Council were present (including two ex officio). Those absent with notice were Mrs. V. Black, Dr. D. Durst, Dr. T. Gloeckler, Dr. D. J. Guzzetta and Dr. G. Knepper. Others absent were Miss L. Ayers, Dr. J. Bee, Dr. C. Major, Mr. M. Mitwol, Miss P. Seubert and Dr. W. Webb.

The Chairman called for consideration of the minutes of the November 17, 1977 meeting of University Council as printed in The University of Akron Chronicle of December 1, 1977. The minutes were approved as printed. [There was no meeting of University Council in December.]

Dr. Leathers conveyed the regrets of President Guzzetta that he was unable to attend today's meeting of University Council.

The Provost announced that since Founders Day had to be postponed from Thursday, January 12, 1978 because of the unusual weather conditions earlier that week, it had been rescheduled for Thursday, February 2, 1978, to follow the original format. Council had last year moved Founders Day on the University calendar from Wednesday to Thursday, and consequently in setting the new date the administration had kept to the same day of the week, Thursday.

For the first report of a Standing Committee, Dr. Schultz said that the Procedural Committee had met on January 5 to set the agenda for today's meeting, and had considered some other matters which would be presented in the course of the day's discussions.

Speaking for the Academic Policies, Curriculum and Calendar Committee, Dr. Poston referred to the curricular changes circulated on January 6 from the Committee to Council. Since several of the recommendations required specific action; he moved that the change in requirements for a Master of Science degree in Geology for Items 6-1, 2, 3, 4, 5, be approved effective spring quarter 1978. The motion was seconded and carried.

Dr. Poston then moved that the course changes proposed by the Department of Mathematics and Statistics, outlined on pages 4-6 of the document then before Council from the Academic Policies Committee, be approved. The motion was seconded and carried. He explained that the presentation was in quarters and semesters because it had first been proposed last spring, too late for Council action.

Dr. Poston next moved that the change in course requirements submitted from the Department of Finance be approved. The motion was seconded and carried.

[All of these changes in curriculum are included in detail in the Appendix to these minutes.]

Dr. Poston moved that the course changes in the College of Nursing currently proposed through the Academic Policies Committee be approved. The motion was seconded.

Dr. Roberts, while not opposing the changes, asked for information purposes, what provisions had been made to accommodate a student who might drop out of the program and return later. Dean DeYoung explained that such students would be notified of the 1981 summer deadline for the new regimen, and appropriately counseled.

Dean Rogers moved to amend the course titles of 8200:300 and 8200:320 by changing them from Nursing Process Applied to Man's Adaptation in Health and Nursing Process Applied to Man's

MINUTES OF MEETING OF UNIVERSITY COUNCIL, 1/19/78, continued

Maladaptation, respectively, to Nursing Process Applied to Human's Adaptation in He. Process Applied to Human's Maladaptation. The motion was seconded.

Dr. Focht was of the opinion that course titles were to be kept within prescribed line length because of computerization.

Dean DeYoung spoke to both points. She strongly disagreed with the motion to amend the titles of the two courses, and said that the question had been earlier considered in a meeting of the Academic Policies Committee. The title is concerned only with a philosophical basis and has no relation to gender. Also, her College had been unaware of the suggestion to limit the length of course titles, and this title was necessary to inform the student of its content, and relationship to the curriculum.

The motion to amend the titles of courses 8200:300 and 8200:320 was put to a vote and lost.

The motion to approve the changes in Nursing curriculum was put to a vote and carried.

Dr. Poston informed Council that, in line with discussion at the November meeting of Council, a list of all courses using the term "seminar" had been distributed to all of the Deans for consideration and recommendation. They will report to the Academic Policies Committee for later transmittal to Council. Dr. Leathers added that it is hoped to have all titles clarified before the new General Bulletin goes to press later this winter for 1978-79.

Dean Barker had no report from the Athletics Committee, but wished to mention the 103-77 victory of the basketball team over Indiana-Purdue last Tuesday.

In the absence of Dr. Durst, chairman of the Faculty Well-Being Committee, Professor Grumbach presented a recommendation from the committee, noting the resolution which the Council had referred back to the committee in November for further study, and the fact that at present the Ohio Attorney General has told the State Auditor not to approve any payment of accrued sick leave benefits to retiring faculty until a subsequent opinion is rendered. The current situation results from a suit by Bowling Green concerning such payments in the absence of adequate absence records. Inter-University Council to date has not been able to resolve the issue among its members. The Faculty Well-Being Committee "supports the spirit of the resolution introduced to University Council on November 17, 1977, but at this time the University, under the Attorney General's order to the Auditor, cannot implement such a policy, and therefore recommends the following motion:

"University Council recommends and urges the University administration to implement a policy of paying accrued sick leave benefits, to the maximum permitted by law, to retiring Faculty, General Faculty, and Administrators. In addition, University Council recommends that the University administration take reasonable steps to expedite the forthcoming Attorney General's opinion to allow implementation."

Since Mr. Grumbach was not a member of University Council, Dr. Brittain moved that Council adopt the resolution. Dr. Noble seconded the motion.

Dean Samad observed that, at least in his College, there are adequate records of faculty sick leave, there is no reason that faculty should be denied because of any inadequate records, and problems at other universities should not affect those on our campus.

Dr. Poston felt that on this campus we do have adequate records, and that under our benefits program faculty have 120 days (it was only 15 before 1975), and that our medical records might also

MINUTES OF MEETING OF UNIVERSITY COUNCIL, 1/19/78, continued

help in some determinations. Locally, we are presently concerned only with those recently retired, some 15 to 20 people. The State Auditor now refuses this sick leave to be paid to those retired.

Dean Samad thought that the University should pay, and leave the burden of altering the policy on the Auditor of State.

In response to Mr. Allan's query as to whether such payment was mandatory, Dr. Poston replied that it is permissive, but the prerogative of the University Trustees. Mr. Allan commended our generous policy.

Dean Samad opined that the proposed resolution might weaken our position by recognizing the possibility of a veto.

Mr. Jamison inquired whether the Board of Trustees now authorizes such payment of accrued sick leave on retirement. Dr. Poston said that there would have to be a specific resolution by the Board to clarify. One was prepared last fall, but was withheld pending clarification at the state level.

In view of Dean Samad's observation, Dr. Gerlach moved to amend the resolution by deleting the last sentence. The motion was seconded and carried.

The amended resolution was then put to a vote and carried, and now reads:

"University Council recommends and urges the University administration to implement a policy of paying accrued sick leave benefits, to the maximum permitted by law, to retiring Faculty, General Faculty, and Administrators."

Dr. Leathers thanked Mr. Grumbach for presenting the report from the Faculty Well-Being Committee.

Dr. Maio asked the status of the statement on mandatory retirement policy, and Mr. Grumbach said that the Faculty Well-Being Committee is still working on it.

Dr. Maio wished to move that the Faculty Well-Being Committee ask the Ohio Attorney General for an opinion on retirement requirements as restricted in the University Faculty Manual.

Mr. Allan cautioned that such a committee had no authority to petition the Attorney General.

Dr. Leathers suggested that the proper channel would be for the committee to ask University Council to take the proper steps.

Dr. Maio then moved that the Faculty Well-Being Committee request through appropriate University channels an opinion from the Ohio Attorney General resolving the issue of whether the retirement policies presently contained in the Faculty Manual (B-12) violate Ohio statutes, Ohio Constitution or any other provision of law.

Dr. McGucken seconded the motion, which was put to a vote and carried.

Dr. Gerlach moved that the Faculty Well-Being Committee report on this matter at the next meeting of University Council. The motion was seconded and carried.

Mr. Jamison requested to go back to the report of the Athletics Committee and ask who would make the decision as to the University's category in the NCAA. Dr. Barker explained that the recommendation would go from the Athletics Committee to the University President.

MINUTES OF MEETING OF UNIVERSITY COUNCIL, 1/19/78, continued

As chairman of the Reference Committee, Mr. Finan distributed proposed amendments to Article II of the Bylaws of the University Council. He reported on the meeting of the committee with President Guzzetta and the President's belief that there is a definite distinction between actions and legislation, some being internally managerial in nature and not of concern to the Board, while others involve University policy. Dr. Guzzetta would not wish to burden the Trustees with minor actions which the Board had already authorized Council to legislate. Mr. Finan also noted that the question had arisen concerning Article VIII of the Council's Bylaws which provides that an amendment cannot be voted upon until the next meeting after it has been properly presented. Since the committee's proposed amendment, in his judgment, was a revision of wording only, he felt that Article VIII did not apply in this instance. He called attention to the inclusion of a suggestion to add to the wording of his proposed paragraph (b), and to the fact that his proposal would replace the second paragraph of existing Article II.

Mr. Finan moved that the second paragraph of Article II of the Bylaws of University Council be amended to read as follows (in place of original paragraph):

"All legislation introduced in the University Council shall be designated as such and if passed shall be sent to the President immediately. Legislation becomes effective 30 calendar days after receipt by the President unless within said 30 days the President either

- (a) disapproves such legislation by notifying University Council in writing giving his reasons for disapproval, or
- (b) sends the legislation to the Board of Trustees [if, in his discretion, he determines that the legislation requires Board approval].

"Legislation sent to the Board of Trustees becomes effective 90 calendar days after receipt by the President unless the Board of Trustees disapproves, or notifies Council that it requires additional time. In the latter event it shall designate a date by which it shall finish its deliberations. Such postponed legislation becomes effective upon such designated date unless previously disapproved by the Board of Trustees.

"Council requests that the President notify Council when legislation is sent to the Board of Trustees."

The motion was seconded.

Dr. Brittain rose to a point of order, inquiring how the committee chairman could add the suggestion of revised wording in (b) (in brackets above) without the consent of the committee. Dr. Leathers then asked Council's wish on this friendly amendment. It was moved to incorporate it, seconded and carried.

Dr. Stuyvesant observed that everything would be forwarded to the Board through the President. Mr. Finan, however, pointed out that the President would determine which legislation would require Board attention. Dr. Leathers cited the first paragraph in Article II of the Council Bylaws which gives Council jurisdiction over certain types of regulations, etc., and which would not therefore require transmittal to the Board. Dr. Stuyvesant questioned the President's role here.

Professor Finan felt that an important consideration was the time element and the certainty as to whether legislation was ultimately approved or disapproved. It was recalled that this question was

MINUTES OF MEETING OF UNIVERSITY COUNCIL, 1/19/78, continued

prompted by the assumption that the faculty load policy as earlier adopted by University Council superseded a previous administrative action, when in fact it did not.

Dr. Williams stressed the point of a 90-day effective deadline for actions transmitted, but how would minor items be timed.

Dr. Dye inquired why things were not forwarded to the Board after 1974, but Mr. Finan answered that there had never been a presidential policy to forward things regularly to the Board from Council.

Dr. Poston reiterated the President's philosophy... that the Board only sets policy, and leaves the management to the administration. Some academic actions, such as approval of new degree programs, etc., must go to the Board, and the President always forwards such. Dr. Poston felt that Mr. Finan had, in his proposed amendment, effectively closed any gaps in the Bylaws.

It was Dr. Gerlach's opinion that the President had violated the Council Bylaws and thereby also the Board's rights. He asked who determines what legislative matters are to go, though it appeared to him obvious that it was the President and/or his associates, but they never advised Council. He wanted to have a list of items which would be considered as legislation.

Dr. McGucken asked Dr. Poston why the load policy had not gone to the Board, but Dr. Poston could not answer as he had never been involved in formulation of the policy.

Dr. Holland wondered how the Board's Bylaws treated this responsibility, and how Council could dictate to the Board. If the two sets of Bylaws were not in conflict, shouldn't they be legal.

Mr. Finan felt there was a distinction between actions which would go to the Board and others, and that changes in Council Bylaws would not need to be forwarded.

Professor Allan opined that the date of Council's transmittal to the Board, even though through the President, should be the official one, and if the President does not forward, that is the President's problem, not Council's.

Mr. Finan thought there would be a question whether the President would be acting for the Board or not.

Because of the recently passed Amended House Bill 25 in the Ohio Legislature, Mr. Allan thought such actions might have to be recorded in Columbus.

In response to Dr. Siloac's concern as to whether the Board had given the President this power, Dr. Leathers referred to Article V of the Board's Bylaws which delineate his powers and responsibilities, including "He shall have the exclusive right to transmit all communications from the staff and from each faculty and from each member thereof to the Board, and shall be the official medium of communication between the faculties and the Board and its committees."

Dr. Brittain observed that the friendly amendment ("if in his discretion, he determines that the legislation requires Board approval") confirms that Council legislation will remain "in limbo." Dr. Drennon added that this would merely give up the powers that Council did not have, as the Board would support the President.

Dr. Gerlach thought that the Reference Committee should reconsider its proposal and should with the President list what legislation would require Board action. He hoped that the President would come to Council regularly and respond to questions as to what legislation he had forwarded to the Board. Dr. Gerlach thereupon moved to refer the proposed amendment back to the Reference Committee for further study. The motion was seconded.

MINUTES OF MEETING OF UNIVERSITY COUNCIL, 1/19/78, continued

Mr. Jamison raised the question of distinction between legislative action and non-legislative action by Council.

Mr. Finan told the Council again that all of these aspects had been discussed with the President and he was unwilling to accept them. The President knew which legislation required Board approval and if minor and not within the purview of the Trustees, he would not burden them with it, in accordance with their policy.

Dr. d'Amico, chairman of last year's Reference Committee, congratulated Mr. Finan, current chairman, for his enlivening the work of the committee!

Dr. Leathers referred to the first paragraph of the Council Bylaws Article II which authorizes Council action. . . . "in accordance with the established policies of the Board".

Professor Finan said that it has been interpreted in the past that legislation not questioned within the 90 days would be considered in effect. He and the committee hope to listen to the meeting tape, and consider suggestions made.

The motion to refer the proposed amendment to Article II back to the Reference Committee for further study was put to a vote and carried.

Dr. Walton, chairman of the Research (Faculty Projects) Committee, said that the first report of the academic year appeared in the January 1978 University of Akron Chronicle, showing that ten faculty had been supported in the amount of \$13,272. The deadline for the second distribution is now past and that list will be issued the end of this month. April 7 will be the deadline for the third and final allocation for the 1977-78 academic year. Eight summer fellowships have been awarded for 1978. There has been \$38,000 funded for faculty research projects thus far this year, and there is still a residue.

Dr. Makar reported on the December 1977 meeting of the Faculty Advisory Committee to the Chancellor, and distributed the summary of deliberations (which appears in the Appendix to these minutes). There were concerns about the possible support of NOVA by the Chancellor and whether NOVA was active in Cleveland. Dr. Schultz inquired whether the Chancellor opposed the Northeast Ohio Extension Degree Programs. Speaking personally, and not as secretary of Council, Dr. Schultz expressed his opposition to all external doctoral degrees. Dr. Makar said that Chancellor Norton wondered why the universities didn't act as forcefully as NOVA in seeking support.

Dr. Dye moved that the University Council of The University of Akron direct its elected representative, Dr. George Makar, on the Faculty Advisory Committee to the Chancellor of the Ohio Board of Regents, to specifically inquire of Chancellor Norton as to what investigations are currently being conducted by the Ohio Board of Regents on the operation of "external" degree programs now in operation in the State of Ohio; also that the Chancellor submit to the Faculty Advisory Committee a summary of the investigatory findings thus far.

The motion was seconded and carried.

Miss Homeier asked if the Chancellor was opposed to nursing programs on two levels, and she was assured that he was not.

Dr. Taylor circulated a report of the meeting of the Ohio Faculty Senate which is incorporated in the Appendix to these minutes.

MINUTES OF MEETING OF UNIVERSITY COUNCIL, 1/19/78, continued

Dr. Gerlach, expressing concern at the teaching time lost because of class cancellations during the unusual weather conditions this month, asked if it would be appropriate for the Academic Policies Calendar Subcommittee to consider adjustments in the calendar if more days were to be missed, and he suggested that the spring term break might be utilized for teaching.

When Dr. Williams suggested the possibility of advancing all classes two hours later in the day (because of early hazardous driving conditions and clearing the parking lots), Dean Carrino reminded Council that such a proposal would mean that some evening classes would then terminate at 1 a. m. However, he explained that off-campus courses had been structured with more minutes in each class session, which compensate for emergencies within limits, and such planning might be implemented in the winter quarter.

Dr. Leathers said that if it became necessary to cancel any more classes, the matter would be discussed with the Academic Policies Calendar Subcommittee.

The meeting adjourned on motion at 4:20 p. m.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, January 19, 1978

REPORT OF AKRON REPRESENTATIVE ON OHIO FACULTY SENATE—Dr. Howard L. Taylor

The fall meeting was held Saturday, November 19, 1977 on the campus of Ohio State University. About 35 members were present.

The principal item of business was a presentation by Dr. David Bickelhaupt on the present status of the State Teachers Retirement System. Dr. Bickelhaupt is a member of the Retirement Board. He is a faculty member at Ohio State and is the only member of the board teaching at the university level.

Dr. Bickelhaupt presented many statistics pertaining to the retirement system. In summary, the system appears to be quite sound actuarially, and is considered one of the best teachers' retirement systems in existence.

Dr. Bickelhaupt also reviewed the effort involved in opposing a provision of H.R. 9346 which would have mandated Social Security payments for all public employees. He predicted the question would arise again in future years.

The Retirement Board is to be expanded by two members, one of whom must be a retired teacher. In later action, the group endorsed the candidacy of Dr. Emile Grunberg, who is retired from The University of Akron.

The Faculty Senate also passed a resolution opposing the exclusion of tenured faculty from the protection against mandatory retirement before age 70. They called for the deletion of Section 7(A) of the Senate version of H.R. 5383.

Elections were held for several Ohio Faculty Senate positions which were vacant.

A brief legislative report on pending state issues was given.

The meeting closed with a delegate from each institution present making a brief statement regarding events on their campus that might be of state-wide interest.

The next meeting is planned for March, 1978.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 1/19/78, continued

REPORT OF THE UNIVERSITY OF AKRON REPRESENTATIVE TO THE FACULTY ADVISORY COMMITTEE TO THE CHANCELLOR OF THE OHIO BOARD OF REGENTS—Dr. George Makar, Representative, and Dr. Kenneth Siloac, Alternate.

The following report is a summary of the topics discussed at the December, 1977, meeting of the Faculty Advisory Committee to the Chancellor of the Ohio Board of Regents.

Reciprocity

Chancellor Norton reported that an agreement with Pennsylvania on grant programs would probably be reached by January. There have been meetings, largely unproductive, with both Kentucky and West Virginia. Kentucky does not have the legal authority to make an arrangement and is not interested, at present, in a whole state/whole state agreement. Conversations are going on with Michigan about arrangements among Monroe Community College, Eastern Michigan University, University of Toledo, Owens Tech., and possibly Bowling Green State University.

RN to Baccalaureate Level

Chancellor Norton said that the idea of moving all RN programs to the baccalaureate level was opposed by the Ohio Board of Regents. The pressure for the move was coming from the nursing associations and might well occur in time.

NOVA

In answer to a question about the current status of NOVA, Chancellor Norton said they are not currently authorized to offer courses for credit toward a degree in Ohio. NOVA has not submitted a formal application for approval under the new rules in effect.

Payment of Accrued Sick Leave Upon Retirement

The question of the status of paid sick leave for retired(ing) faculty members was raised. Chancellor Norton stated that the issue is being argued between the State Attorney General and the State Auditor. Auditor Ferguson has indicated that he would not authorize pay for anyone who cannot document accumulated sick leave. Chancellor Norton indicated that settlement of the question probably will not be uniform. He further indicated that the matter might well lead to a state-wide sick leave policy for all universities.

Academic Entrepreneurialism

The Ohio Board of Regents is working on determining both public attitudes and faculty perceptions of the value of higher education. The goal is to foster a greater thrust by universities into the public and private sectors by making their skills available off campus. The Ohio Board of Regents and the deans of several Colleges of Business have formed the Ohio Conference Board toward this end. Additionally, the development of the Energy Research Council could eventually involve many schools and their faculties. A further example is the work that four two-year schools are doing in developing an energy conservation program. Chancellor Norton exhorted all schools to stop hiding their talents and to make them available to all.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 1/19/78, continued
CURRICULUM CHANGES

The following curriculum changes, in accordance with the Curricula Change Process adopted by University Council on December 12, 1974, have had final approval by the Vice President and Provost, or through specific vote by University Council, all effective September 1978 unless otherwise indicated:

BUCHTEL COLLEGE OF ARTS AND SCIENCES

Department of Geology

→ [AS-77-15]

Change

Requirements to be changed as follows for Master of Science degree:

1. The student must take a proficiency examination at the beginning of the program. The examination will test competencies in the following areas: a. The Solid Earth, b. Earth History, c. The Atmosphere and Hydrosphere, and d. Earth-Space Relationships. The student who demonstrates a lack of basic knowledge in one or more of these areas will be required to successfully complete appropriate undergraduate courses. The student's program, including all elective course work, must be approved by an adviser appointed by the department head at the beginning of the program.

2. The program of the student must include thesis (3370:699), geology field camp (3370:496/596), seminar (3370:680), and a minimum of one graduate course in each of the four areas listed under Item 1 above. At least one-third of the minimum degree credits shall be at the 600 level.

Courses that are appropriate to the four areas include:

- a. The Solid Earth—3350:595; 3370:510, 532, 533, 535, 537, 550, 623, 631, 632, 634, 675, 678.
 - b. Earth History—3370:511, 525, 563, 660.
 - c. The Atmosphere and Hydrosphere—3100:524, 526; 3350:595; 3370:570, 574.
 - d. Earth-Space Relationships—3350:544; 3370:504, 541, 546.
3. The student must successfully pass a written comprehensive examination after the completion of 18 graduate credits. The written comprehensive examination may be attempted two times only.
 4. The student must complete, present, and orally defend a thesis (3370:699) of 6 credits. The thesis will be supervised by a minimum three-member committee appointed by the department head as recommended by the student and adviser.
 5. Normally, a student will have completed one year each of Chemistry, Physics, and Biology and at least one course in Calculus at the undergraduate level. For the areas of specialization within the degree and cited under Number 6 which follows, specialization in Engineering Geology or Geophysics does not require the year sequence in Biology, specialization in Environmental Geology or Earth Science requires the completion of a minimum of one of the course sequences. Deficiencies in undergraduate preparation can be satisfied by appropriate courses taken concurrently with graduate studies.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 1/19/78, continued
CURRICULUM CHANGES, continued

BUCHTEL COLLEGE OF ARTS AND SCIENCES, continued

Department of Geology, continued

Change in Requirements for Master of Science degree, continued:

6. Areas of Specialization (effective spring quarter 1978):

a. Geology—specific requirements are:

1) Completion of a minimum of 6 credits from each of the following groups of courses:

a) Solid Earth Group

3370:510	<u>Regional Geomorphology</u>
3370:537	<u>Economic Geology</u>
3370:550	<u>Advanced Structural Geology</u>
3370:570	<u>Geochemistry</u>
3370:634	<u>Clay Mineralogy</u>

b) Earth History Group

3370:525	<u>Stratigraphy</u>
3370:563	<u>Micropaleontology</u>
3370:623	<u>Sedimentary Petrology</u>
3370:660	<u>Evolution and The Fossil Record</u>

b. Engineering Geology—for the graduate Engineer and Geologist who wish to broaden their expertise in the other's field. Entering students may have some deficiencies in either Engineering or Geology and must therefore satisfy several undergraduate "ramp" courses while proceeding with graduate studies. Specific requirements are:

1) Completion of required "ramp" courses:

3370:101	<u>Introductory Physical Geology</u>
3370:210	<u>Geomorphology</u>
3370:350	<u>Structural Geology</u>
3450:221-23	<u>Analytic Geometry-Calculus I, II, III</u>
4300:201	<u>Statics</u>
4300:202	<u>Introduction to Mechanics of Solids.</u>
4300:311	<u>Geotechnical Engineering</u>
4600:310	<u>Fluid Mechanics</u>

2) Completion of required graduate courses:

3370:631	<u>Rocks and Minerals</u>
4300:611	<u>Fundamentals of Soil Behavior</u>
4300:614-15	<u>Foundation Engineering I, II</u>

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 1/19/78, continued
CURRICULUM CHANGES, continued

BUCHTEL COLLEGE OF ARTS AND SCIENCES, continued

Department of Geology, continued

Change in Requirements for Master of Science degree, continued:

c. Environmental Geology—specific requirements are:

1) Completion of the following courses:

- 3370:574 Ground Water Hydrology
- 3370:541 Fundamentals of Geophysics
- 3370:570 Geochemistry
- 3370:631 Rocks and Minerals
- 3370:678 Urban Geology

- 2) From 6 to 8 credits or courses may be selected from Biology, Geography, and/or Engineering with the approval of an adviser.

d. Geophysics—specific requirements are:

1) Completion of the following courses:

- 3650:531 Mechanics
- 3650:536 Electricity and Magnetism

2) Completion of a minimum of 6 credits from the following courses:

- 3360:541 Fundamentals of Geophysics
- 3370:546 Exploration Geophysics
- 4300:518 Soil and Rock Exploration

e. Earth Science—specific requirements are:

- 1) Attainment of a balanced knowledge of all four basic areas as determined by the adviser and demonstrated by the student's comprehensive examination.
- 2) The program of the student who will become a teacher of earth science must also include a minimum of three credits in Seminar in Secondary Education: Earth Science (5300:780).

Department of Mathematics and Statistics

[AS-77-16]

Change Title 345:628 Advanced Numerical Analysis. 3 credits.
to

345:628 Advanced Numerical Analysis I. 3 credits.

Add 345:629, 630 Advanced Numerical Analysis II, III. 3 credits each quarter. Prerequisite, 345:481 or permission of instructor. [Catalog description to include 345:628.] Sequential. Theoretical analysis of numerical methods in linear algebra, polynomial interpolation and approximation, integration, and ordinary differential equations.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 1/19/78, continued
CURRICULUM CHANGES, continued

BUCHTEL COLLEGE OF ARTS AND SCIENCES, continued
Department of Mathematics and Statistics, continued

- Add 345:631, 632, Continuous Systems I, II, III. 3 credits each quarter. Prerequisite, 633 345:483 or permission of instructor. Sequential. Boundary value problems formulated as ordinary differential equations, partial differential equations, and integral equations are analyzed as linear operator equations on function spaces using the tools of generalized functions, Green's functions, and spectral theory. Particular attention is paid to Evolution and Potential equations as well as variational methods.
- 345:416/516 Numerical Methods for Scientific Computation. 3 credits. Prerequisite, 345:235, 445:206. Mathematical techniques for representing functions, approximating integrals, and solving ordinary differential equations are presented and implemented for the computer.
- 345:638, 639, Discrete Systems I, II, III. 3 credits each quarter. Prerequisite, 640 345:483 or permission of instructor. Mathematical programming, combinatorics, and stochastic processes are presented and applied to problems in the social and management sciences.
- 345:429/529 Numerical Analysis III. 3 credits. [Catalog description to include 345:427-428/527-528.] Prerequisite, 345:236, 445:206. Sequential. Mathematical analysis of numerical methods for interpolation, approximation, integration, solution of algebraic equations, solution of systems of linear equations, solution of ordinary differential equations and boundary value problems.

COLLEGE OF ENGINEERING

Department of Civil Engineering

[EN-78-1]

- Add 4300:474/574 Underground Construction. 2 credits (2-0). Prerequisite, 4300:311. Description of practices and techniques of underground construction. Selection of proper method for individual job. Design of underground openings, support systems and linings.

Department of Mechanical Engineering

[EN-78-4]

- Add 4600:609 Finite Element Analysis I. 3 credits(3-0). Prerequisite, 4600:622. Introductory development of the finite element method as applied to various topics from continuum mechanics, such areas as: plane; axisymmetric and 3-D stress analysis; conduction; fluid mechanics; transient problems and geometric and material nonlinearity will be covered.
- 4600:704 Finite Element Analysis II. 3 credits(3-0) Prerequisites, 4600:609, 4300:702. Curved, plate, shell, brick elements; quasianalytical elements. Quadrature formulas. Substructuring for static and dynamic analysis. Solution algorithms for linear and nonlinear static and dynamic analysis. Computer program formulation. Review of large scale production programs.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 1/19/78, continued
CURRICULUM CHANGES, continued

COLLEGE OF ENGINEERING, continued
Department of Mechanical Engineering, continued

Add 4600:705 Finite Element Analysis III. 3 credits (3-0) Prerequisites, 4600:704, 4300:602. Static and dynamic contact problems. Tire mechanics. Fracture mechanics. Plasticity problems involving small and large deflections. Shake down analysis. General constitutive models for composite media, thermo-viscoelasticity, fluid turbulence. Fluid-solid interaction analysis.

COLLEGE OF BUSINESS ADMINISTRATION

Department of Finance
[BA-78-1]

Change Requirements to be changed as follows for major in Finance [courses are not dropped, or added in curriculum, only as requirements]:

Drop 620:270 Managerial Accounting. 4 credits.
 325:380 Money and Banking. 4 credits.

Add 6200:317-318 Intermediate Accounting. 3 credits.
 3250:400 or Macro-Economics. 3 credits.
 3250:410 Micro-Economics. 3 credits.

Department of Management
[BA-78-2]

Add 6500:689 Seminar in Health Care Systems Management. 3 credits. Prerequisite, permission of instructor. This seminar provides graduate students in business administration with in-depth study of nonprofit health care organizations and the health care delivery system. The organizational structure and management differences between nonprofit health care organizations and traditional business organizations are examined. Study is made of the health care delivery system, its providers (patient care—third party payers), and the role of governmental programs. A major research paper is required.

COLLEGE OF NURSING
[NU-78-1]

Add 8200:100 Introduction to Nursing. 1 credit. This course is designed to introduce the student to nursing. Emphasis is placed on the historical perspective as a basis for modern trends in the profession of nursing.

 8200:200 Nursing Theories and Concepts. 5 credits. Prerequisite, 8200:100. This course is designed to demonstrate the relationship of the relevant concepts and theories from the various sciences with man's interaction with the ecosystem. The focus is to relate these theories and concepts to the practice of nursing in the health care system utilizing a scientific research approach.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 1/19/78, continued
CURRICULUM CHANGES, continued

COLLEGE OF NURSING, continued

- Add 8200:300 Nursing Process Applied to Man's Adaptation in Health. 12 credits. Prerequisites, 8200:100, 8200:200. This course is designed to focus on healthy man's adaptation throughout man's life cycle. Emphasis will be placed on his interactions within an ecosystem approach. Nursing process is used to view this approach as holistic man's adaptation.
- 8200:320 Nursing Process Applied to Man's Maladaptation. 12 credits. Prerequisites, 8200:100, 8200:200, 8200:300. This course is designed to focus on man's maladaptation throughout man's life cycle. Emphasis will be placed on his interactions within an ecosystem approach. Nursing process is used to view this approach as holistic man's adaptation.
- 8200:400 Nursing Process in Complex Situations. 10 credits. Prerequisites, 8200:100, 8200:200, 8200:300, 8200:320. This course is designed to assist the student in applying knowledge and skills in an integrative approach to clinical practice and will assist the student to strengthen application of knowledge to practice within a variety of settings. The student will be assisted to develop his/her roles as leader and change agent within an interactive teaching/learning process.
- 8200:420 Advanced Nursing Practice. 10 credits. Prerequisites, 8200:100, 8200:200, 8200:300, 8200:320. This course will provide the student with independent practice opportunity. The emphasis would be to provide the student with practice in an area of his/her choice. Guidance and direction will be provided to students as necessary by a preceptor.

Change The Undergraduate Program for Nursing is now as follows:

		<u>Freshman Year</u>			
<u>Semester I</u>				<u>Semester II</u>	
1100:111	<u>English Composition</u>	4		1100:112	<u>English Composition</u> 4
1100:115	<u>Institutions</u>	3		1100:116	<u>Institutions</u> 3
3150:129	<u>General Chemistry I</u>	4		3150:130	<u>General Chemistry II</u> 4
3450:111, 112,				3850:100	<u>Intro. to Sociology</u> 4
113	<u>Math Modules</u>	3		3470:251	<u>Descriptive Stats</u> 1
8200:100	<u>Intro. to Nursing</u>	1		1100:120-188	<u>Physical Education</u> 1
		15			17

		<u>Sophomore Year</u>			
<u>Semester I</u>				<u>Semester II</u>	
3100:361	<u>Human Anat. & Phys.</u>	3		3100:362	<u>Human Anat. & Phys.</u> 3
3100:130	<u>Prin. of Microbiology</u>	3		3750:130	<u>Developmental Psych.</u> 4
3750:100	<u>Intro. to Psychology</u>	3		3100:381	<u>Human Genetics</u> 2
1100:106	<u>Eff. Oral Communicat.</u>	3		3100:105	<u>Ecol. & Biol. Resources</u> 2
3600:101	<u>Intro. to Philosophy</u>	3		3850:340	<u>The Family</u> 3
3600:120	or <u>Intro. to Ethics</u>	3		7400:201	or <u>Relational Patterns in</u>
3600:170	or <u>Intro. to Logic</u>	3			<u>Marriage & Family</u> 3
		15			14

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 1/19/78, continued
CURRICULUM CHANGES, continued

COLLEGE OF NURSING, continued

Change The Undergraduate Program for Nursing, continued

Summer Session between Sophomore and Junior Years
8200:200 Nursing Theories and Concepts 5 credits

Junior Year

<u>Semester I</u>			<u>Semester II</u>		
1100:320	<u>Western Cult. Trad.</u>	4	1100:321	<u>Western Cult. Trad.</u>	4
8200:300	<u>Nursing Process Appld.</u>		8200:320	<u>Nursing Process Appld.</u>	
	<u>to Man's Adaptation</u>	<u>12</u>		<u>to Man's Maladapt.</u>	<u>12</u>
		16			16

Senior Year

<u>Semester I</u>			<u>Semester II</u>		
1100:330-335	<u>Eastern Civilizations</u>	2	1100:330-335	<u>Eastern Civilizations</u>	2
8200:400	<u>Nursing Process in</u>		8200:420	<u>Advanced Nursing</u>	
	<u>Complex Situations</u>	10		<u>Practice</u>	10
	Elective	<u>5</u>		Elective	<u>4</u>
		17			16

Total Hours: 131 Semester Credit Hours

Any comments concerning the contents of The University of Akron Chronicle may be directed to the Office of the President or to the Executive Director of University Relations and Development.

MR. JOHN S. WATT
ASSISTANT PROVOST