



OU NEWS

Frankie Is Library Dean

Suzanne O. Frankie, former director of public services at New York University Libraries, has been named professor of the library and dean of the university library.

The new dean begins Aug. 15, 1983, subject to approval of the OU Board of Trustees.

The appointment concludes a national search for a successor to George Gardiner who has returned to the faculty.

Frankie holds the A.B. degree from Bowling Green State University (1957), the A.M.L.S. degree from the University of Michigan (1959), and the D.P.A. degree in 1980 from George Washington University.

Frankie is the author and editor of a

number of professional publications and an active participant in the American Research Library and American Library Association programs.

Prior to her appointment at New York University Libraries (1980-1982), Frankie was associate executive director, Association of Research Libraries (1973-1979). She also worked at the American Society for Information Science, ERIC Clearinghouse on Library and Information Sciences (1970-1973), Ohio State University Center for Vocational and Technical Education, head librarian (1966-1970), and in the libraries at Wayne State University (1962-1966) and the University of Michigan (1959-1962).

Ralph, Lillian Norvell Cited

The Board of Trustees has approved a resolution honoring Pontiac insurance executive Ralph T. Norvell and his wife Lillian A. Norvell for their long and continued service on behalf of the university.

The resolution was approved at the June 15 meeting of the board marking the conclusion of Norvell's seven-year tenure as chairperson of the Steering Committee of the Oakland University President's Club.

During his tenure, the membership in the President's Club increased from 90 members to nearly 600 and gifts and pledges received from new members now exceed \$5,000,000.

In addition, the resolution noted Norvell's scholarship and financial assistance to needy students and Lillian Norvell's participation as early as 1957 in the Meadow Brook Seminars that helped determine the course of the new university and their selection in 1981 as honorary alumni in recognition of their volunteer work for the university.

The action concluded "That on behalf of a grateful university, the Board of Trustees extends its deeply felt appreciation and thanks to Lillian A. and Ralph T. Norvell."

The university has nominated Norvell for Volunteer of the Year in a competition sponsored by the Council for the Advancement and Support of Education. In a supporting letter, President Joseph E. Champagne said that upon taking the presidency of the university, he soon learned that Norvell "... was a dynamic and dominant figure in relating the role of the university to the community and in attracting an impressive amount of voluntary contributions."

North Central Praises OU

In a highly favorable review included as an insert in this issue of the OU News, the Commission on Institutions of Higher Education of the North Central Association of Colleges and Schools has approved mature university status for OU doctoral programs.

The gist of the report is that the university is now fully accredited at the doctoral level for any future programs it might establish and has only to notify the commission prior to implementation of these programs.

Prior to the North Central review, the university had accreditation only for Ph.D.s in reading, engineering, and medical physics. Any new programs would have each been subject to North Central review.

University officials expressed their pleasure with the report and the recognition it gave to OU programs. The university is working on an additional Ph.D. program in the biomedical sciences with three degree tracks:

medical physics, environmental and health chemistry, and cellular biology of aging. In the planning stages only are proposals for Ph.D.s in computer science and administrative sciences.

Chemistry Earns Grant

The Department of Chemistry has won a \$130,000 grant from the Department of Defense, one of only 204 proposals funded nationally from 2,478 requests.

The funds will be used to purchase a Fourier transform infrared spectrometer to support a variety of investigations underway in the department and to support a collaborative research project largely carried out at the University of Southampton, United Kingdom, and supported by the U.S. Office of Naval Research.

The competitive government program assists colleges and universities in the upgrading of research equipment for promising projects.

Faculty, Staff Contributions Noted

Carlo Coppola, area studies/modern languages recently published a review of M.P. Patterson's **South Asian Civilization: A Bibliographic Synthesis** (University of Chicago Press, 1982) in the **JOURNAL OF ASIAN HISTORY**, Vol. 16, No. 2 (1982), pp. 144-45.

Paul Franklin, coordinator of campus programs as well as the adviser/coach of the Fencing Society, fenced in the 1983 Wood Unclassified Sabre Competition. He finished in a three-way tie for first place and eventually took third in the ensuing fence-off. The Fencing Society will be sponsoring a tournament on campus on September 24 in Lepley Sports Center.

Members of the Department of English received the following awards at graduation ceremonies of the College of Arts and Sciences. Gertrude White, professor emerita and member of the charter faculty, was given an award for teaching excellence. Helen Schwartz was honored with the Marian Wilson award for her article, "Monsters and Mentors: Computer Applications for Humanistic Education," published in **College English**. David Mascitelli, chief adviser, and the department were recognized by the alumni association for outstanding academic advising.

President Joseph E. Champagne has provided the library with copies of the booklet, **The State Investment in Higher Education**, a publication which summarizes the dilemma the Michigan higher education system is currently facing. Anyone interested in perusing the document can ask for it at the circulation desk in Kresge Library.

Donald E. Morse, chairperson, Department of Rhetoric, Communication and Journalism, was honored by the College English Association in a resolution citing his long service to that body. Morse is immediate past president, former executive secretary, interim and managing editor, director, vice president and program chairperson for the CEA.

SEM ACTIVITIES

Alan Reinstein, presented two seminars on May 17 entitled "An Update of Recent Auditing" at the Spring

Accounting Conference, cosponsored by Michigan State University and the Michigan Association of CPAs. Reinstein also presented the annual OU writing award to James McCarter (an OU MBA student) before the Detroit Chapter, National Association of Accountants, and presented a paper entitled "Management Accounting: The University and the Marketplace" before the 1983 Ohio Regional Meeting of the American Accounting Association with G. Lander.

James Mallett and Sid Mittra had their article, "Interest Rate Forecasting and the Financial Planner," published in the winter 1982 issue of the **Journal of the Institute of Certified Financial Planners**.

Miron Stano was principal coauthor of the article, "Fees or Use? What's Responsible for Rising Health Care Costs?" which appeared in the April issue of **Michigan Medicine**. Stano has been asked to serve as an editorial adviser by the Healthcare Financial Management Association for a series of editorials.

Ronald M. Horwitz spoke to the Detroit Chapter of the National Association of Accountants on May 19 on "Mandatory Continuing Professional Education—Continuing to Educate?" Horwitz spoke to the annual meeting of the Michigan Medical Society's House of Delegates on April 30. His subject was "Everything You Wanted to Know About TEFRA but Were Afraid to Ask." And, he spoke to the annual Director's Conference of the Detroit-Macomb Hospital Corporation on May 11, 1983 on the topic: "Update on Hospital Planning."

Lizabeth Barclay spoke to the Michigan Spring School for Women Workers held June 2-5 at OU, on the topic "The Nature of Power—Responsibilities and Opportunities."

Sid Mittra gave a presentation titled "A Financial Planning Team: Harmony vs. Hostility" at the International Association for Financial Planning, Inc. 1983 Regional Conference on May 7.

Katherine Z. Rowley, Continuing Education program director for business and industrial programs, served as a statistical (quality) control workshop group leader and a panelist

at the June 16 Quality and Reliability Workshop Conference, sponsored by the American Society for Quality Control. The workshop, entitled "Unlocking Training Resources," was part of a nationwide conference cosponsored by ASQC with the Macomb County Community College on campus in Warren.

Elinor Waters, Continuum Center, presented a workshop on **Development through Peer Counseling** at the University of Maryland conference entitled **New Options for Adult Counselors**. Waters has also recently been elected secretary-elect of the Michigan Personnel and Guidance Association.

Jane Goodman, Continuum Center, has been elected president-elect of the Michigan Vocational Guidance Association (MVGA). Goodman has also made presentations recently to MVGA (on finding a job through networking—with Judy Hoppin), and to the Michigan Association for Specialists in Group Work (on designing workshops).

Job Openings

Director of Development, AP-21, Developmental Affairs
Data Base Coordinator, AP-13, Computer Services
Program Coordinator, AP-6, Residence Halls
Financial Aid Officer, AP-8, Financial Aid
Secretary I, C-4, Mathematical Sciences
Head Women's Swimming Coach, Athletics, Grade Miscellaneous
Program Manager, AP-8, Continuing Education
Oakland University is an affirmative action employer. For additional information call 377-3480.

Graduate Killed

Raymond E. Cullen, Jr., an April graduate, was killed June 23 in a car accident at approximately midnight at the intersection of Hamlin and Rochester Roads. Cullen graduated cum laude in computer and information science and had served as a "grader" and teaching assistant while compiling a B+ cumulative average. In addition he was an OU Foundation scholar.

Economy Impacts on Enrollment

Oakland University enrollment fell slightly in 1982-1983 and could drop again next year despite high demand in key undergraduate programs as the university faces an uncertain economy.

The enrollment statistics are reported by David C. Beardslee, Office of Institutional Research, showing fiscal year equated student (FYES) enrollment for all of 1982-1983 at 9,305, a decrease of 176 students or 1.9 percent below the previous year.

The report shows that for the first time in OU history, undergraduate enrollment declined from the previous year from 8,118 to 8,089. But Beardslee notes that on-campus enrollment actually rose from 7,510 to 7,535. The drop came in off-campus undergraduate enrollment that went from 608 FYES in 1981-1982 to 504 FYES this year.

Graduate enrollment continued the slide it has shown, with few exceptions, since the 1973-1975 period. Graduate FYES was 1,216, down from 1,363 in 1981-1982.

Summer Support

Vice President Wilma Ray-Bledsoe reports that on Sunday, June 26, the Academic Support Program began with more than the required number of students (120) mandated by the contract with the U.S. Office of Education in Washington, D.C.

Ray-Bledsoe said, "We are excited about this class of students (130-140) for the following reasons: higher ACT test scores than previous classes; higher overall reading scores on the Nelson-Denny reading test; preliminary data indicates more than 25 students will qualify for our first proposed Rhetoric 100 class; and a mixture of students from high schools all across the state including Benton Harbor, Saginaw, Flint, Kalamazoo, Grand Rapids, Covert, Inkster, Detroit, etc."

All students will enroll for ten credits for the summer including math and writing as mandatory subjects, along with one course selected from History 215, Political Science 100, Linguistics 102, Sociology 100, English 105, and Art History 100.

Additionally, approximately 15 percent of the students will not have the option of an elected course, primarily because of low test results of the Nelson-Denny reading test. These students will take a reading course (LS 076) instead of an elective.

Beardslee predicts that the total FYES count for 1983-1984 could show a slight decline from the current total with many factors impacting on enrollment. Those factors include state support, the general economy, tuition, dropping number of K-12 students in the university service area, deadlines for enrollment of new students for next fall, and higher enrollment standards in key undergraduate programs of engineering, management, and physical therapy.

The university is attempting to take some pressure off these areas and has been constrained by state support from hiring many additional faculty for

these disciplines. The pressure areas include computer and information science and nursing.

Beardslee reports have shown that OU enrollment is healthier than the state picture for all four year public colleges and universities. On average, FYES count for all state schools is down 3.0 percent.

Reports show also that OU is the only public four year institution to have had increases in first time in any college enrollment of new freshman students in two straight falls. In 1982-1983 the total was up 2 percent.

New Roles For Russell, Stransky

Joel W. Russell will become interim director of the Center for Health Sciences and Fred Stransky will chair a special commission to study the future development of that center. Vice Provost George Feeman has announced.

The Russell appointment will take effect July 1, 1983, subject to approval by the Board of Trustees. He replaces Dr. Moon J. Pak who has left the university.

Feeman said the Stransky commission of 30 or more members to be appointed from faculty throughout the university and the health-care community in the area will be charged with presenting a report outlining a well

defined role and mission for the center, one offering near and long-range goals for program development, and implementation and modification, consistent with that role and mission. Russell will be an ex officio member of the commission.

It was announced also that effective July 1 the credit aspects of the exercise physiology program will be housed in the Center for Health Sciences and not in the School of Human and Educational Services as is now the case. A proposed master's level program in exercise science will also be under administrative jurisdiction of the center, Feeman said.

Dollar Loss On Barns Studied

An expert from the Firemen's Fund was on campus June 23 as the insurance company continues its investigation into the exact dollar loss in the Meadow Brook barns fire of June 9.

Preliminary estimates of the damage have varied from several hundred thousand dollars upward but the university has been told it is insured for replacement value of the two barns and for university property contained in those facilities. It is hoped the claim can be settled in 60 to 90 days.

University officials are considering replacement of the one barn adjacent to the riding hall in line with a complete remodeling project for that area. The hall would be turned into an auditorium and convention site with

eventual food service capabilities opened in the barn adjacent to the building.

The second destroyed barn used for golf course maintenance equipment may be rebuilt at a site more convenient to the Katke-Cousins Golf Course.

Raises At 3 Percent

The Board of Trustees has approved 1983-1984 pay hikes of 3 percent for non union employees with the possibility of additional funds through the indexing formula now in effect at the university.

DIVERSIONS

June 30, 1983

MB Festival
Detroit Symphony Orchestra
Baldwin Pavilion
8:00 p.m.

July 1, 1983

MB Festival
Roy Clark—Fireworks
Baldwin Pavilion
8:00 p.m.

July 2, 1983

MB Festival
The (Irish) Rovers and Tom Paxton
Baldwin Pavilion
8:00 p.m.

Independence Day Recess
12:00 noon

July 3, 1983

MB Festival
Detroit Symphony Orchestra
Baldwin Pavilion
8:00 p.m.

Tour
Meadow Brook Hall Public Tours
1:00 p.m.

MB Festival

Jean-Pierre Rampal Recital
Baldwin Pavilion
12:00 p.m.

July 4, 1983

MB Festival
Meadow Brook Estate
Baldwin Pavilion
8:00 p.m.

July 5, 1983

Classes Resume
8:00 a.m.

July 6, 1983

Patio Series
Classical Guitar featuring
Craig Chabala
O.C. Patio
12:00 p.m.

July 7, 1983

MB Festival
Detroit Symphony Orchestra
Baldwin Pavilion
8:00 p.m.

July 8, 1983

MB Festival
Cleo Laine and DSO Pops
Baldwin Pavilion
8:00 p.m.

July 9, 1983

MB Festival
Harry Belafonte
Baldwin Pavilion
8:00 p.m.

July 10, 1983

MB Festival
Detroit Symphony Orchestra
Baldwin Pavilion
8:00 p.m.

Meadow Brook Hall Public Tours
1:00 p.m.

July 11, 1983

MB Festival
Frankie Valli and Four Seasons/
Johnny Rivers
Baldwin Pavilion
8:00 p.m.

Film

She's Nobody's Baby—American
Women in the 20th Century
202 O'Dowd Hall
7:30 p.m.

July 12, 1983

MB Festival
Pat Metheny
Baldwin Pavilion
8:00 p.m.

July 13, 1983

Patio Series
Rudy the Roving Violinist
O.C. Patio
12:00 p.m.
1:00 p.m.
CIPO

OU-Panther Outing

The CIPO office will sponsor the second Oakland University Panther outing at the Panthers versus the Arizona Wranglers game on Sunday, July 3. Tickets for the 1:30 p.m. game are on sale at the campus ticket office for \$6 each.

The first OU Panther outing drew 400 people who watched the team beat the New Jersey Generals. At press time, the Panthers have the opportunity to clinch the division title and make the USFL championship playoffs at the Arizona game.

Tickets are for seats on or near the 20 yard line and will also serve as admission to the Panther brunch at Pontiac's Phoenix Center beginning at 9:30 a.m.

Geroux Retires

Margaret Geroux retired from the university this spring and her many friends and colleagues at the university can send their best wishes to her at home at 1809 Manse, Pontiac, Michigan 48054.

Health Center Hours

The Graham Health Center will be closed August 15-26, 1983. It will reopen on August 29 at 8 a.m.

Library Hours

The university library will once again maintain normal hours during the summer term and most library services will be provided on all week days as usual. The summer hours for the Kresge Building are:

Monday-Thursday	8 a.m.-10 p.m.
Friday	8 a.m.-6 p.m.
Saturday	9 a.m.-6 p.m.
Sunday	1 p.m.-6 p.m.

The Instructional Technology Center services and the Performing Arts Library in Varner Hall, however, will observe summer hours and therefore will close at 11:30 a.m. on Fridays.

Final North Central Report

Editor's note—The following report from the Commission on Institutions of Higher Education of the North Central Association of Colleges and Schools grants OU mature university status in the implementation of future doctoral programs.

The university's accreditation at the Ph.D. level had been limited to engineering, reading, and medical physics with future programs to be submitted to the commission prior to implementation for review.

Now the university has unlimited accreditation and need only notify the commission of its plans prior to the implementation of new Ph.D.s.

Final Report
to
Oakland University
Rochester, Michigan
April 13-14, 1983
for the
Commission on Institutions of
Higher Education
of the
North Central Association of
Colleges and Schools
Evaluation Team
Dr. Louise Beltramo, Professor,
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Lawrence, Kansas 66045 (Team Chairman)

Preface

The pages that follow constitute a report of a focused visit to Oakland University by an evaluation team on behalf of the "Commission on Institutions of Higher Education" of the North Central Association of Colleges and Schools. As is customary for a focused visit report, the report is divided into three sections.

The first section, the Introduction, deals with the accreditation history of the institution and the scope of the visit, the second section provides an examination of the area of focus, and the third section presents the team's recommendation and rationale. The third section includes a recommendation sentence, a rationale for the recommendation, and the statement of affiliation status forms with any modifications recommended by the team.

Part I: Introduction.

Oakland University is a comprehensive, doctoral degree-granting institution located in Rochester, Michigan just north of the Detroit metropolitan area. The university is one of the newest public state colleges and universities in the state of Michigan. It

admitted its first undergraduate students in 1959. It began as a division of Michigan State University but rapidly developed into an autonomous institution with its own administrative staff, including a president. In 1963 the institution formally became "Oakland University" and in 1970 the Michigan legislature ended the 13-year association with Michigan State University and established Oakland University as a separate public university with its own appointed board of trustees.

The institution was separately accredited at the baccalaureate degree level by the North Central Association in 1966, and in 1971 it received full accreditation at the master's level and preliminary accreditation for two doctoral programs. These two programs were originally engineering and science. The engineering doctorate has been underway since that time; the one in science has never been implemented.

Oakland University was originally planned to be an innovative undergraduate liberal arts college with a limited number of related high-quality professional programs in business, education, and engineering. The all-university general education program which was to be a major focus of this innovative institution was abandoned in 1970, however, in the absence of a clear faculty consensus regarding its importance and character, and the various individual schools in the university were left free to establish their own distribution and general education requirements. There remain, however, some vestiges of the university's original commitment to an integrated and innovative undergraduate curriculum and the university clearly places a continuing emphasis on quality educational programs.

In October of 1978, Oakland University was reviewed by an evaluation team from the North Central Association which recommended that the accreditation of Oakland University be continued at the doctoral degree-granting level and that "accreditation at the doctoral level be limited to the existing doctoral programs in engineering and reading." This team also recommended that "an evaluation be scheduled in five years, 1983-84, focused on the university's continued development at the doctoral level. . . ." It was only during the course of that visit that it became clear that the institution was about to launch the new Ph.D. program in reading. As mentioned earlier, the institution had received preliminary accreditation at the doctoral level for two proposed Ph.D. programs—one in systems engineering and one in science. Only the doctoral program in engineering had actually been implemented and it had produced its first three graduates in 1978 shortly before the October visit. In view of the pending initiation of the reading doctorate, a small evaluation team visited the institution again in December of 1978 to review the plans for the proposed new program. This team concluded that "Oakland University is able to offer a Ph.D. program in reading of acceptable quality at this time, and that it has established the necessary standards and procedures for admission of students and institutional review of the program to assure continuing quality during its development in the years ahead."

In April of 1979 the president of Oakland University was notified by the Commission on Institutions of Higher Education that "the accreditation of Oakland University be continued at the doctoral degree-granting level; that accreditation at the doctoral level be limited to the existing doctoral programs in engineering and reading. . . ." and that during the next decade the institution should notify the commission of its plans to implement any new programs at the first professional and doctoral levels and that an evaluation should be scheduled in five years focused on the university's continued development at the doctoral level.

This report is the report of the "focused visit" scheduled in 1983-84 and focused on the university's continued development at the doctoral level. It is important also to note that in the interim the institution has been notified by the staff of the commission that its accreditation at the doctoral level has been expanded to include a program in medical physics in addition to systems engineering and reading. Consequently, the members of the review team focused their efforts on reviewing the status of the three now existing programs and the institution's general development at the doctoral level. We were particularly interested in the status of the current programs, the proposed programs being developed and the mechanisms by which the university initiates and monitors its doctoral programs. The institution has requested mature status and a recommendation that "will permit us to engage in doctoral program development as we see fit, with no further accreditation reviews until the general institutional review in 1989-90." The new doctoral programs currently under development at the institution include Chemistry of Health and the Environment and Cellular Biology of Aging.

Part II: Examination of Area of Focus.

A. Existing Doctoral Programs.

1. Systems Engineering.

Systems Engineering was the first Ph.D. program developed at Oakland University. The program involves a blend of disciplines which is well-suited for dealing with such areas as energy conservation, production systems, fluids and thermal systems, resource management, transportation systems, dynamic systems and control, telecommunication and information processing systems. To date, eleven students have received the doctorate from a faculty which now numbers approximately 30.

The faculty are well prepared; all hold the Ph.D. from distinguished institutions; they appear to be concentrated in the two upper ranks but the recent appointment of three assistant professors together with three new appointments committed for fall 1983 assures the presence of fresh young talent. Research activity of the faculty rapidly reached a level of approximately \$600,000 in 1978-79 but declined in the following three years to an average level of about \$450,000; a decline intensified by the inflation present during that period. Teaching loads are reasonable and faculty morale appears to be good.

The students admitted to the program appear to be well qualified. Of the 11 degrees awarded to date, seven (or sixty-

four percent) have gone to foreign nationals. Five students currently enrolled were interviewed during the campus visit. Of these, two are foreign nationals, three are U.S. nationals, and all completed their bachelor's degrees at Oakland. Admission standards appear to be properly selective and the students interviewed spoke of demanding course standards. For the eleven who completed the program, the Oakland graduate grade averages ranged narrowly between 3.71 and 4.00.

The facilities are generally adequate for the program, particularly with respect to equipment and instrumentation. Due to the large undergraduate enrollment and increasing faculty size, faculty offices and research laboratories are in short supply since the current undergraduate enrollment is fifty percent over the building's design capacity and moreover is shared with the Biology Department.

The program of study is well conceived and administered and the thesis problems are appropriate to the program. A review of the eleven completed theses showed them to have been completed according to high academic standards.

The college is administered effectively from the dean's office by virtue of energetic and enterprising leadership on the part of its chief officer, who now is serving a second five-year term.

2. Reading.

At the present time Oakland University offers the only doctorate in reading in the state of Michigan. The team which visited in 1978 to review the proposed doctorate in reading made a number of suggestions. These included: increase the number of active students, develop a schedule of courses on a regular cycle, expand the number of journal subscriptions in the library, and reassess the research and interdisciplinary components. As a result of these recommendations, a number of changes are already in place.

The academic program fits within the general pattern of doctoral programs in education and includes a course sequence in reading, an investigative sequence, and a minor specialization sequence. Perusal of course syllabi and qualifying examinations attests to the soundness, relevance and currency of the theoretical content; and to the appropriateness of the assignments for advanced graduate students. The areas covered include the broad base of reading, children's literature, and language arts. This coverage is in keeping with the philosophy of the International Reading Association and the National Council of the Teachers of English.

Faculty positions have been filled with specific needs in mind and this has resulted in a faculty of varied expertise but compatible professional interests. For the most part they have been trained under the guidance of highly recognized professionals in the field. Collectively, they may be characterized as outstanding teachers, effective service-oriented professionals, excellent researchers, and prolific writers. The expertise and professional activity of the faculty involved in this program provide particular strength for the research core. Doctoral students indicate that their faculty have an enthusiasm for research, and a review of dissertation proposals indicates that students are well supervised, can conceptualize investigative problems, understand the

meaning of research and know how to report it, and have the ability to write clearly and to think logically and critically. The first oral examination in defense of a doctoral dissertation in reading was conducted during the team visitation. The atmosphere was one of scholarly dignity.

One of the concerns of the 1978 North Central team centered around the procedural mechanism for formal joint appointments of faculty in related areas. Then, as now, the identification seems to be done at the student-faculty level, mostly by students and faculty relationships developed through a specific course and subsequent mutual research interests.

Admission standards appear to be appropriate for the program. Records available indicate that about 40 percent of the applicants have been admitted. A review of the 15 student vitae included in the program report revealed that 73 percent had received a master's degree from Oakland University. Members of the team met with some of the students, now 19 in number, and these students can be described as bright, poised, dedicated and goal-oriented. Most have held more than one professional position in the field and many have been involved in leadership roles, in workshops and professional meetings. Some have written and published professional articles and at least one student has completed a research proposal for an NIE grant jointly with a faculty member in the program. Informal discussions with these students indicated that geographical location, size of institution, and faculty interest in students all entered into their decisions to attend Oakland University. The fact that all of these students were commuters indicates that geographical location was a major factor in their decision. The students have initiated a "journal club" which meets monthly and the close mentor relationship with faculty appears to provide for good professional development.

The facilities appear to be adequate for the program. The ground floor in the School of Human and Educational Services provides specifically designed space for the new reading clinic and this area is developing as a center for the professional preparation of master's and doctoral students. The location on the campus of the Matthew Lowry Early Childhood Center, which provides services for 280 children from infancy through the pre-primary years, is a strength for the program. This well-established and highly rated center currently operates as a service facility but has many possibilities for training and for research in reading and language.

The leadership provided by the dean and his associates is effective and supportive.

The major concerns surrounding this program would appear to be:

1. Recognition of the added responsibilities of the doctoral program in determining faculty load.
2. Adequacy of support for faculty and students to attend state, regional and national meetings and present the results of their research.
3. Adequacy of stipends available for graduate assistants.
4. Adequacy of library holdings.

The library holdings have been continuously upgraded since the initiation of the program. Special support has been provided from the dean's office and all

university sources. In 1977-78 special funding was allocated for books and journals in reading. The William S. Gray Collection, which is considered the most comprehensive set of resources in the field of reading, was purchased but needs updating for the years 1980-83. There is a standing order for technical reports from research centers as well as the annual editions of the dissertations judged to be outstanding by the International Reading Association. Students and faculty generally view the library resources to be adequate for most of their purposes but are alert to the continuing need for assessment and additional funding.

Overall the program appears to be effective, well-run and providing a needed dimension to the educational array of programs offered in the state of Michigan.

3. Medical Physics.

The Ph.D. in Medical Physics is a research program which was initiated largely in response to requests from and needs of local hospitals and perceived regional and national needs. The program was approved by the Michigan legislature in 1980 and internally by Oakland University in 1981. It has not yet been approved by the Council of Academic Vice Presidents of the Michigan Universities but the university is confident that it will be. It comes up before this group in August.

Currently one student has been admitted to the program. This student began as a student in mathematics, became interested in the medical physics program, has been carrying out excellent research in the program, and has been admitted as the "prototype" student for the program. At the time of the visit, another student was planning to come to work at Henry Ford Hospital and plans to enter the program as soon as there is a "formal program" approved through the Council of Academic Vice Presidents and authorized by the accreditation status of the institution. The program has not yet been advertised, but the institution is beginning to receive applications from very good quality candidates. In addition, some Master of Arts degree candidates in physics are doing biologically related research and are potential candidates for the program.

The demand for doctoral level students in this field is high. There is a particular need in the area for the program and the institution feels that it can fill this need.

Facilities available for the program are excellent and there is adequate space available, especially since the department has suspended the master's program which was previously offered. The equipment available to the program is adequate and the institution has a commitment to building the necessary library resources to support this doctoral program.

The faculty members available are talented, research oriented and have received their degrees from quality institutions. They have an understanding of what the doctoral program should involve and appear to be highly competent to offer this research-based program.

In sum, the key ingredients for a successful doctoral program—quality faculty, interested and talented students, space, facilities and equipment—seem to be in place.

B. Proposed Doctoral Programs.

1. Proposed Program in Health and Environmental Chemistry.

The doctoral program in Health and Environmental Chemistry is the second in a set of three degrees which are proposed to constitute the doctoral programs in the biomedical sciences. The justification for the proposed program is that it is a program which is needed in the state of Michigan and which can contribute to the solution of national problems in the defined area. The institution believes that "the contribution of highly trained doctoral level chemists is essential to resolution of these major problems." The program will be based in the Department of Chemistry but will be interdisciplinary in nature and will involve the biology department with other lesser contributions from the Departments of Physics and Mathematical Sciences, the Center for Health Sciences and the Institute of Biological Sciences.

The program has received internal approval and has been reviewed by a succession of graduate deans. It received final internal approval by the University Senate in February of the current year.

The faculty in the Departments of Chemistry and Biology are a talented group of individuals with skills appropriate to this program. The chemistry department currently has 14 faculty members, 7 of these have mature and ongoing research programs directly related to this proposed program. Three new faculty members are in the process of developing research programs in biological and analytical chemistry. The faculty in the Department of Biology are highly productive. As an indication of their quality, the department has had three National Institutes of Health Career Development Awards and the majority of the faculty have active ongoing research programs. The faculty in both departments have received their degrees from quality institutions and there would seem to be no question regarding their capability to initiate, supervise and maintain quality, doctoral level, research-based programs.

This program is not envisioned to be a large program. It is designed to produce a small number of students in a specialty area of applied chemistry that is needed in the state and nation. A bachelor's degree in chemistry, biology or physics and a strong academic record in the science area are the minimum entrance requirements. Admission is proposed to be highly selective. A small program with an incremental approach to its growth is visualized.

The space and special facilities necessary to operate a quality program appeared to be available. A modest remodeling program was completed during the winter of 1982 and the Department of Chemistry has just received an additional \$500,000 for space renovation which will provide six newly renovated laboratories and offices. In the department, space is assigned by function and there is a great deal of sharing of facilities including equipment. The department has the major equipment needed to support the program, including modern up-to-date bio-chemical research equipment. Some equipment is needed but appears to be within reach for the program.

Library resources are limited. The library does contain most of the major chemistry journals but it has not been able to initiate subscriptions to a number of new journals in newly developing areas of chemistry in

recent years. This deficiency is compensated for partially by the ability of Oakland University faculty to borrow materials from libraries of other state universities and hospitals in the Detroit metropolitan area. The proposed new doctoral program will need some additional funding for library development.

The proposed curriculum, methods for establishing graduate committees, mechanisms for student selection, faculty, oversight of the program, etc., all appear to be standard and appropriate for quality graduate program offerings.

The main focus of this program will be in the Department of Chemistry, and it is estimated that seven to ten faculty members from the Department of Chemistry plus several in biochemistry, mathematics and biology will be involved in the program.

2. Proposed Doctorate in Cellular Biology of Aging.

This proposed new program is the third in the set which constitutes the doctoral programs in the biomedical sciences at Oakland University. It is designed "to train doctoral level scientists who will be capable of investigating research problems in the broad area of the cellular biology of aging using the modern techniques of cellular and molecular biology."

The proposed doctoral program was almost through the internal approval mechanisms at the time of the team visit.

The Department of Biology at Oakland University started with an emphasis on cell biology and still provides a number of service courses for the health sciences. The department is staffed with approximately 20 regular faculty members and includes several adjunct faculty with primary appointments at nearby hospitals. Eight faculty members from the Department of Biological Sciences, all with established research and publication records, will be involved in the new doctoral program. An examination of their publication records, research activity and grant funding indicates that all of them are sound, high quality, research investigators with established programs. It is a strong faculty and a review of the vitae of the eight faculty proposed to be included in this program indicates that their areas of emphasis are appropriate to advanced study of cellular biology of aging.

The program is planned to be a small one including a total of approximately 10 students at any one time with one or two students being accepted each year when the program is fully implemented. Admission standards will be fairly stringent and will require a strong record in science with at least 20 credits in biology and additional course work in chemistry, physics and mathematics. The degree requirements include appropriate amounts of course work and fairly standard requirements for preliminary examinations, a dissertation, residency, etc.

Space and special facilities available for the program appear to be adequate although space is minimal for doctoral level research. The anticipated relocation of the psychology department to another facility should ease this problem. The equipment available in the department is excellent and includes the standard equipment for modern biological research. There is a transmission electron microscope on campus and the department has access to a

scanning electron microscope at the Kresge Eye Institute. As the program develops, additional equipment will be needed and funds will be necessary for the replacement of "aging" equipment. The Institute of Biological Sciences, a research institute devoted to vision research, is located in facilities adjacent to the biology department. The main mission of this institute is eye research, but its staff and joint positions held with the department provide an additional strength for the Department of Biological Sciences. There is an animal facility building which meets the needs of the existing research programs. As the new doctoral program is initiated, it is likely that additional funds will be needed for the maintenance of this facility and for some expansion in the space available.

The department indicates that the library holdings of journals in the area of cellular and molecular biology and biochemistry are "satisfactory" for the proposed program. A recent grant from the National Science Foundation provided \$254,000 for the acquisition of back holdings of journals and there is a regular van service for exchange of journals and other library materials with Wayne State University on interlibrary loan. An adequate current journal collection is most important for the proposed program. It is clear that additional funds will need to be provided so that the journal collection can be maintained and enlarged to meet the future needs of this proposed new field of research.

C. General Observations on Doctoral Program Development at Oakland University.

A number of important changes have impacted the development of graduate education at Oakland University since the last North Central team visited the campus:

1. Although the institutional governing board has total autonomy and authority after funds have been appropriated by the Legislature, the initiation of new programs does now require legislative approval prior to implementation. This means that all institutions in the state of Michigan must give very careful consideration to the desirability and necessity of new programs prior to proposing them for funding.
2. The Council of Presidents of the Michigan higher education institutions now meets monthly to discuss common concerns including the development of new programs. In addition, a Council of Chief Academic Officers meets regularly to review the financial impact of new degree programs and to make sure that institutions are not involved in duplicative efforts. This voluntary coordination seems to be working well.
3. Oakland University has now developed a carefully defined role and mission statement which has been accepted by the faculty and administration and provides guidelines for expansions and contractions—some of which are actually occurring. This document is viewed as a "blueprint for the '80s."
4. A new president, a new graduate dean and a new provost are in their positions and appear to be providing effective and forceful leadership for the institution in graduate as well as in other programs. There are also a number of new deans in their positions throughout the institution.
5. A new "research park" is being developed on 2,000 acres adjacent to the campus.

The Graduate School currently enjoys fresh leadership from the faculty ranks of the institution. Its current dean assumed the post only five months ago but has moved quietly and effectively to develop the base of support and an approach for effectively fostering quality in graduate education. Admission to graduate study is a cooperative effort of the faculty and the Graduate School with contested cases appropriately going to the dean for final decision. Review of student profiles in several graduate programs indicated that satisfactory standards of admission were being applied. The graduate faculty members involved in graduate education and research hold doctorates from leading research universities and have demonstrable records of research and scholarship. The graduate programs in general seem satisfactory in concept and delivery with appropriate required minimum course components, appropriately chosen problems and good evaluative mechanisms for determining the quality of the program and the product. The major needs of the Graduate School as an entity would appear to be in the area of additional research and teaching assistantship funds, seed money for exploratory faculty research and designated funding for research, equipment and library support.

The Computer Center and the computer center facilities on campus are adequate in all respects—capacity, access, apportionment of time between administrative and academic needs, etc. This is apparently a change since the last North Central Association visit. Since that time the capacity of the computer has doubled, the allocation of academic and administrative priorities has been done with thought and care, and an adequate number of terminals has been provided for campus users. In addition, the presence of 75 microcomputers on campus has eased considerably the demand on central computer services for the overall result that services of this unit are entirely satisfactory.

The library appears to be a matter of continuing concern. One member of our team observed that "technical and scientific journals are not generally available in the variety and continuity required for doctoral and faculty research." The team recognizes that interlibrary loan can take a long time although this does help to compensate for some of the other deficiencies in library holdings.

Some additional concerns mentioned by members of the faculty or administration in discussion with team members included:

1. A question was raised regarding whether the university provides appropriate recognition for faculty members of the level of responsibility involved in doctoral level research supervision. This may be a perceptual problem on the part of some faculty but it was mentioned as a concern.
2. The availability of travel funds for graduate student and faculty presentation of research results at national, international and regional meetings. Some funds are available but these may not be adequate to support quality doctoral involvement.
3. Stipend levels for graduate assistants appear to be low. Graduate assistantships are a unique entity for a doctoral program. The president has

indicated that he recognizes the need for increases in these funds and is placing a high priority on them for a forthcoming capital campaign.

III. Recommendations and Rationale.

Oakland University appears to have a number of strengths for doctoral level programs. These include:

1. A group of students interested in the programs, or participating in the existing ones, who are bright, highly motivated, dedicated and need the programs which Oakland University can offer.
2. A faculty of high quality with their degrees from good institutions, and dedicated to the concept of doctoral level research and training. It was the observation of the team that the faculty is energetic, dedicated, has appropriate training for their work assignments and enjoys good working relationships and cooperation within and between departments and with the university administration.
3. The facilities and equipment in general appear to be appropriate for doctoral-level research. Computer facilities are at least adequate. There is available a large amount of new, quality scientific equipment and the space available to the programs appears to be adequate though limited.
4. Oakland University has an attractive campus in a suburban location with the libraries, research facilities and cultural advantages of the Detroit metropolitan area readily available.
5. There is in place a perceptive administration providing sound, creative leadership for the institution at present.
6. The mechanisms for approval and review of graduate programs are in place—both statewide and internally. They have been recently strengthened and should provide excellent "quality control."
7. The commitment of the institution and state to development of a research park in close proximity to the campus should help to provide additional opportunities for research-based doctoral programs.

The team also noted several areas of concern with respect to the development of doctoral research-based programs:

1. The library remains a major area of concern. The adequacy of the journal and serial collection for doctoral research in some areas is borderline and a dean's search was underway at the time of the team visit.
2. The space available for engineering, biology and the proposed new doctoral programs is limited. Construction dollars have, we were told, been approved for remedying some of these problems and psychology will move from the building freeing up additional space. As these things happen, this concern will be minimized.
3. There is some tendency toward "inbreeding" of students. The team noted no incoming students from a regional or national constituency. Many of the students are graduates of Oakland University and the student body does not appear to be as diverse as the quality of the institution would justify.
4. There appears to be some tendency for

faculty participating in some of the doctoral programs to do so only as an add-on to the workload normally carried by faculty. We were told that faculty in some programs do not receive any teaching load credit for supervision of doctoral-level work.

5. The institution has been characterized by a relatively high level of administrative turnover in recent years. Most of the major administrative officers with whom we visited were relatively new in their positions.

It is the unanimous opinion of the visiting team that the institution can continue to accomplish its purposes. The team's recommendations for action including its recommendation to continue the accreditation of Oakland University is reported below under the stipulations paragraph. The team's reasons for its recommendations are as follows:

1. The institution has a high quality faculty, student body and a perceptive creative administration dedicated to the concept of providing doctoral level research.
2. The institution has in place an energetic creative, perceptive administration but the institution has also been characterized by a high level of administrative turnover in recent years.
3. The adequacy of funding levels for library acquisitions, space renovation and improvement of graduate stipends, etc., may be difficult to obtain in the present economic climate.

STIPULATIONS:

Although the institution's accreditation at the doctoral level is not limited, the institution must report planned new doctoral programs to the office of the Commission prior to their implementation.