Fleming Urges Insistence on High Quality Academic Work

A great university must require of its students high quality academic work and considerably more than mere memorization of material, President R. W. Fleming told faculty members and staff in his most recent State of the University address.

Students are increasingly concerned that much of their work involves memorization and reiteration and are wondering whether they are really learning something.

"How do we put together pure information, which is essential if one is to understand the history and culture of our society, or to work meaningfully in a specialized area, and a capacity to apply that information thoughtfully in a current context?" the president asked.

An example of the failure to apply information thoughtfully in the current context, Fleming indicated, was observed in many of the activist students who have emerged from social science and humanities studies "devoid of the humanistic values which are alleged to reside in the liberal arts and humanities." In relating to confrontations, he said, "while purporting to have made a supreme commitment to truth, justice and genuine social reform, they displayed incredible intellectual arrogance, an extraordinary intolerance of any view other than their own, and a complete willingness to adopt totalitarian methods in achieving their ends."

Meanwhile, how could their fellow students remain so uncritical of them? Somehow, the crossover between academic knowledge and values, and the application of that knowledge and values, simply never took place.

"Why? If we knew the answer, I suggest that our educational system would be a better one."

The president also described pressures against the insistence of high quality academic work, pointing out as perhaps symptomatic the move toward grading systems which avoid comparing students with one another or avoiding judging their work. "Insofar as that is the purpose of a pass-fail system," he said, "I am in complete disagreement with it... But there are other valid arguments for pass-fail."

"There exists, he continued, "a body of opinion which takes the view that the educational world would be improved if we never made any comparison between individuals."

"If the events of the last few years have proven anything," the president said, "surely it is that the campus cannot isolate itself from real life. It follows that an academic experience in which one can never fail is contrary to every other life experience which the student will have."

Affirmative Action Director Named

Nellie M. Varner, assistant professor of political science and former assistant to the dean of the University of Michigan's School of Social Science, has been named director of the U-M Affirmative Action Program for the university. She earned the Ph.D. degree in international relations at the Institute for Advanced Study in Princeton, N.J. and is a specialist in Soviet affairs and international relations. She was a research fellow at the Center for International Affairs at Harvard.

Dr. Varner has the responsibility for carrying out the administration's aims to achieve full and equal participation of women and minorities in all areas of University activities.

Lindemer and Baker Elected to U-M Board of Regents

Successful candidates for seats on the Board of Regents of The University of Michigan during the November elections were incumbent Lawrence B. Lindemer and Deane Baker, both Republicans. Baker succeeds William B. Cudlip, who chose not to stand for re-election. They will begin their eight-year terms January 1.

Lawrence B. Lindemer of Stockbridge, a Lansing lawyer, is a present Regent appointed by Governor Milliken in 1969 to complete the term of the late Alvin M. Bentley. A 1943 graduate of the University of Wisconsin and earned the M.B.A. degree from Harvard. He has served in both chambers of the state legislature, is vice-chairman of the Washtenaw County Republican Committee. He is assistant to the "Second Hoover Commission" that studied government organization in 1955-54. The Lindemers have two sons.

Deane Baker is president of the Deane Baker Company, industrial developers located in Dearborn. He is a graduate of the University of Wisconsin and earned the M.B.A. degree from Harvard. Baker, a Grand Valley College trustee, is vice-chairman of the Washtenaw County Republican Committee. He and his wife are the parents of four children. The family resides in Ann Arbor.

Riverfront Site Is Approved for New UM-Flint Campus

The University of Michigan-Flint will move to a 38-acre site on the riverfront in downtown Flint if expected approval is received from the Legislature's House-Senate Capital Outlay Committee and certain agreements can be reached with the City Council in Flint.

The U-M Regents' approval was influenced largely by the results of a feasibility study that supports the move.

Contingencies include approval of transfer of state funds already appropriated for building construction on the present Court Street site, agreement by the city of Flint to revise its Urban Renewal Program consistent with University plans, and city appropriation of $1.2 million for the provision of land in 1973 and $4.8 million between 1975 and 1982.

The city has pledged $6 million in support of the development of the riverfront area. An additional minimum of $9.75 million in non-state money will be needed between now and 1976 to support the project. The Mott Building on the present campus will continue to be used and there is no present intention of disposing of the Court Street site.

The move is designed to accommodate more students on a larger campus with more accessibility.

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Holden Lab Encourages Perinatal Research

“The valley of the shadow of life”—the period just before and for approximately 28 days following birth—is getting specialized and concentrated attention by a coordinated staff using the latest equipment at The University of Michigan Medical Center. The unit is dedicated to saving the lives of critically ill infants and their mothers.

Established in the recently opened, three-story James and Lynelle Holden Perinatal Research Laboratories, located between and connected to the Women’s Hospital and the C. S. Mott Children’s Hospital, it links obstetrics and pediatrics during the time when life and death is most proximate. The $1.5-million research center concentrates on the little-known processes that occur during the perinatal period. The unit places specialized staff and needed equipment within easy reach to treat mother and child in one body, separating them at birth and continuing treatment with no significant interruption.

P & A Survey Is Completed

A management consulting firm has completed a comprehensive survey of classification and salary policies to help implement a uniform classification structure and salary program for all professional and administrative positions at the University.

The study was conducted and recommendations made to develop and implement a uniform classification structure and salary program for all professional and administrative staff members as an integral part of the University’s affirmative action plan.

Musical Instrument Collection to Move to New Music Annex

The U-M’s famed Stearns Collection of Musical Instruments, viewed by thousands since 1914 while on display in the second floor lobby of Hill Auditorium, is to be moved to a School of Music annex, to be named for Frederick Stearns. The new home—a former fraternity house on the North Campus—will accommodate the instruments and needed equipment in the Holden Perinatal Research Laboratories.

INTENSIVE CARE UNIT—Dr. Robert Borer and nurse Barbara Pratt adjust incubators and monitoring equipment in the Holden Perinatal Research Laboratories.

Awards for Distinguished Work Presented to Faculty Members

Fourteen U-M faculty members have been honored this fall for distinguished scholarship, teaching, and service.

- Alfred S. Sussman, professor of botany and associate dean of Rackham School of Graduate Studies
- Charles G. Child, III, professor and chairman of surgery
- Robert F. Bartels, professor of mathematics and director of the Computing Center
- Marilyn Mason, professor of music and chairman of the organ department
- Donald A. Kerr, professor and chairman of oral pathology

Winners of this year’s Distinguished Service Awards, with $750 grants, were Harold C. Livesay, assistant professor of history; Gary W. Fowler, associate professor of biometrics, Natural Resources; Karl R. Herwig, assistant professor of surgery; Myron D. Curtis, associate professor of chemistry; James A. Vann, III, assistant professor of history; and Michael W. Berns, assistant professor of zoology.

Research Volume Rises $4.3 Million

Research expenditures during 1971-72 were in excess of $65.5 million, an increase of $4.3 million, or 7 per cent, over the previous year. Research expenditures, excluding fellowship programs and training programs, had been near the $62 million for each of the preceding four years. This is the first time since 1966 that there had been as much as $4 million increase in any one year.

The U. S. Department of Health, Education and Welfare continues to be the U-M’s largest research sponsor, underwriting $19.2 million in 1971-72 projects. The upward trend resulted from some changes in the mix of sponsors and fields of research.

New Live Vaccine Combats the Flu

A promising new live vaccine to combat virus influenza has been developed through a long-term cooperative effort in the laboratories of the U-M’s School of Public Health and the Michigan Department of Public Health. The experimental vaccine contains weakened live influenza virus that has the capacity to grow in the lining of the human nose and throat without producing a characteristic influenza infection. The experimental vaccine has many advantages over vaccination. You are observing the fact that protection is increased at the site where influenza gains initial access to the body, that large doses can be quickly produced at a relatively low cost, and that it can be sprayed into the nose rather than injected.

Not 76 Trombones—But 15 Euphoniums!

When you see the Michigan Band in person or on television you are not only observing one of the finest marching musical units in the nation but a superbly managed organization.

Performance is the product of perfectionist conductor Professor George R. Cavender but management and logistics are handled entirely by students under his direction. Michigan’s ill-trained, well-drilled and disciplined musicians. But few fans realize that you are also looking at over $100,000 worth of uniforms and equipment, handled, cared for, and accounted for by students in a highly professional manner.

These students are responsible for 40 clarinets, 24 saxophones, 12 alto horns, 50 cornets, 15 euphoniums, 24 trombones, 16 sousaphones, and 24 drums. Robert Preston should have had so many.

Add to this 50,000 sheets of music (approximately 5,000 per game), travel, eating, sleeping, and you realize that the band members do more than practice and play spine-tingling music.

500TH ANNIVERSARY — The University is celebrating the birth of Mikolaj Kopernik (Copernicus) with the main event to be an international and interdisciplinary symposium on “The Relationship Between Science and Society” to be held April 3-5, 1973. The honoring began with a “Salute to Kopernik” by the Michigan Marching Band playing Polish music with the Wawel Dancers of Detroit entertaining between halves of the Michigan-Michigan State football game.
Bells have been of interest to Regents of The University of Michigan since 1845.

The first reference to a bell for the Ann Arbor campus appears in Board minutes of that year with a notation that a bell owned by the Central School was too small and that the Board “deemed the purchase thereof inexpedient.”

A bell was obtained in 1865 for $583.50. It is said that as the previous 20 years, it created controversy. There was disagreement over the size of the bell, and some upper-classmen objected to being awakened by the same bell that aroused the freshmen.

Chimes (five bells) were installed in the tower of the old library building in 1883 where they were used until they were transferred to the tower of the engineering building where they still remain. The old library building was demolished to provide space for the present graduate library.

From that early beginning evolved, through the efforts of thoughtful administrators and loyal citizens, the Charles Baird Carillon in the Burton Memorial Tower.

**An Idea Is Born**

President Marion LeRoy Burton in a 1921 commencement address suggested that the campus, tall enough to be seen for miles, be built at the approximately center of an enlarged campus as evidence of the idealism and loyalty of the alumni.

In 1935 Charles M. Baird, a former U-M athletic director, offered to give the University a carillon and clock to be installed in a tower dedicated to the memory of President Burton. Baird desired to give the University a symbol in sound of its academic, artistic and cultural life which alumni would cherish in their memories of The University of Michigan. The University of Michigan Club of Ann Arbor underwrote the task of raising the funds for the campanile, assisted by the Regents and the Alumni Association.

Private contributions ranged from two dollars to $5,000, and there were gifts in kind of cement, gravel, and hardware donated by local merchants and bankers.

The tower was to be practical as well as aesthetic and its classroom rooms were to be used by the School of Music. It was to be built between the existing Hill Auditorium and a proposed School of Music building. A site on the North Campus was later chosen for the School of Music.

The carillon was manufactured by the John Taylor and Sons Bellfoundry in Loughborough, England, which has cast many of the outstanding carillons of this century. The carillon was installed in the nearly completed tower and was dedicated on December 4, 1936. (The School of Music has a very interesting motion picture of the construction of Burton Tower and the casting of the bells in England.)

**One-hundred Tons of Sound**

The Charles Baird Carillon, containing 53 chromatically tuned bronze bells, is the third heaviest carillon in the world. The largest bell, technically called the Bourdon bell, weighs 12 tons and is affectionately known as “Big Baird.” Its pitch is E-flat below middle C.

Cast on the “Big Baird” is the following inscription:

**THE CHARLES BAIRD CARILLON PRESENTED IN 1935 TO THE UNIVERSITY OF MICHIGAN BY CHARLES BAIRD, A.B., LL.B. OF THE CLASS OF 1905**

The bells are suspended on a steel frame in the bellchamber 120 feet above the campus. The total weight of the bells is approximately 65 tons and the entire instrument weighs just under 100 tons.

**TWELVE BELLS — Only a dozen of the 53 bells of the Baird Carillon can be seen in this photo atop Burton Tower.**

Suspended inside the bells are clappers of graduating weights proportionately related to the weight of each bell. The clappers move on the average of only one inch to strike the inner side of the bells and are connected to the console by straight stainless steel wires. The only mechanical assistance involved are the counterweights which balance the heavier clappers. The clapper in the “Big Baird” weighs close to 350 pounds and has a counterweight of about 150 pounds.

The console from which the carillon is played is located in a sound-proofed room on the floor of the bell-chamber. As the carillonneur completes the depression of the key, the bell sounds in accord with the amount of energy exerted, which allows dynamic control. There is no way of stopping the sound of the bell and, therefore, the carillonneur must avoid overpowering the small bells with the large ones.

**The Art of the Carillon**

Carillon performance is an art which requires special musical training and virtuosity as well as considerable physical stamina. The instrument is related to the piano in that the touch (dynamic control) is much the same, while it is related to the organ only in that a pedalboard is involved. The technique required is vastly different than that needed to perform on other keyboard instruments in that the baton keys are struck with a clenched fist or an open hand.

A practice console is located on the eighth floor of the tower and, although identical to the carillon console in the playing hut, it is connected to tuned metal bars instead of bells.

**The University Carillonneur**

The University Carillonneur is 28-year-old Hudson Ladd, who received the diploma with honors from the Netherlands Carillon School in Amsterdam, Holland. Ladd succeeded Professor Percival Price, who cited Ladd as “one of the technically most accomplished and most musically gifted carillonneurs in the world today.” Price, who established at the U-M the first instruction in carillon at the university level, retired last year after serving as University Carillonneur since 1939.

Ladd is the first American to be invited to compete for the world’s highest award for carillon performance — the “Prix d’Excellence” — and is now in Holland for the competition.

**The University of Michigan Carillon**

The Westminster Carillon has sounded across the campus every 15 minutes from the Burton Memorial Tower since the Baird Carillon was installed in 1936. In 1794 when Cambridge University installed a clock in St. Mary’s Church in Cambridge, England, an 18-year-old music student, William Crotch, suggested that the automatic timing mechanism be made to ring variations on the principal motive of “I Know That My Redeemer Liveth” from Handel’s Messiah. Later they were reproduced on the bells of the newly installed clock in St. Stephen Tower at the Houses of Parliament and then throughout the world.
Michigan-Ohio State Rivalry Extends to Alumni Giving

by Michael Radock
Vice-President for University
Relations and Development

Competition between Michigan and Ohio State is not limited to the gridiron. Local alumni of both institutions try to outdo their counterparts in participation and dollars raised for their university.

Michigan not only is third among all public universities in total voluntary support, it led all public universities in corporate support and alumni gifts to its Annual Fund. It also was second in foundation support.

In the category of Alumni Solicitation response, however, Michigan ranks poorly.

In A Few Words...

Only one per cent of the 752 persons who received doctoral degrees in 1972 from the Rackham School of Graduate Studies are immediately unemployed. Present students are just as adept at nicknaming buildings as their predecessors; for instance, the undergraduate library is called the “Library” and the grassfield addition to the rear of Angell Hall is the “Fishbowl.” Enrollment of women in the College of Engineering reached 120 with last year’s freshman class. Thirty years before legislatures took an interest in the aged, The University of Michigan established the Institute for Human Adjustment which included work on aging as part of its program. . . . Programs produced for public viewing by the University’s Television Center played 8,489 times over 69 stations not including runs on educational TV networks and foreign stations. . . . U-M’s entry in the international Urban Vehicle Design Competition received one of five styling awards and one of three high scores for safety in recent tests. . . . All University units are expected to “save” 1.5 per cent of their budget this year to balance the budget, with further cuts possible if the governor must cut his budget. . . . Peace-signalling scarecrow stood in the School of Music and one-half of the work in approximately one-half of the work in the LSA. The recipient must be a degree-holder or have a-U-M student for two years. . . . The University of Michigan, Michigan Union, Ann Arbor, Michigan 48104. Second-class postage paid at Ann Arbor, Michigan. Send form 3579 to Michigan Today, 414 Michigan Union, Ann Arbor, Michigan 48104.

Diagonals et Circumferentia

□ The Alumnae Althaea Award was presented at the Alumnae Luncheon on May 4, 1973. □ The Center for Continuing Education of Women has created CEW Merit Scholarships for women whose education was interrupted. Twenty scholarship awards, ranging from $800 to $2,000, will be granted to women who are starting or continuing any degree program at any U-M campus beginning 1973-74. □ A new degree, Bachelor of Musical Arts will be offered by the School of Music effective with the fall term 1973. The B.Mus.A. will be offered for completion of a program comprising approximately one-half of the work in the School of Music and one-half of the work outside of music, for the most part in the LSA. □ A goat, called Bugjuice, and a peace-signalling scarecrow stood guard over the Community Organic Farm on the North Campus during the season just closed. Over 400 persons took part in the program, a project of the Ecology Center and the Institute for Environmental Quality. There were ten special plots for chemical vs. organic fertilizer experiments, in addition to areas for a wide variety of vegetables, herbs, and flowers. For animal friends Bugjuice had chickens and rabbits in pens. A geodesic dome covers a breeding pond for algae-eating tropical fish.

School of Business Administration Additions

KALMBACH MANAGEMENT CENTER — A gift from Leland J. and his son Dohn Kalmbach provided headquarters for management training programs. The converted Alpha Chi Omega sorority house, is located on Washtenaw Avenue.

CLAYTON G. HALE AUDITORIUM — A 550-seat hall and facilities for confereces and teaching make up this two-story structure named for major donor Clayton G. Hale. It is separate from but connected to the main Business Administration building.

PRESIDENTS CLUB LEADER — Alex Miller (left), Chairman, Columbia Iron & Metal Co, Cleveland, succeeded Raymond T. Perrin, Chairman, Detroit Bank and Trust, as the Executive Committee at the annual meeting of the Presidents Club. The most successful organization of its kind in existence, the U-M Presidents Club, of 1,203 members, has raised over $30 million in private money for the University.

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