Monitor Newsletter March 05, 1979

Bowling Green State University

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New system takes computer to its users

Computers no longer are machines to be used and understood by the privileged few, according to Richard Thomas, coordinator of University computing.

With the installation of an academic time-sharing computer, faculty and students from all departments now can solve their problems the automated way. The computer can be used in coursework, instruction and faculty research, Thomas said.

Largely through the efforts of the University Computing Council, Bowling Green has obtained a DEC System 20 computer and terminals with keyboards much like a typewriter which enable as many as 56 people to use the computer concurrently.

The terminals, into which computer programs and problems can be fed, are located in the computing service centers in the Math-Science Building, Business Administration Building and IET Building and in a number of other areas on campus. Users no longer need to go to the computer because the computer has been taken to them, Dr. Thomas said.

Special workshops entitled "Getting Started with DEC System 20" are being offered by Computer Services for faculty interested in familiarizing themselves with the new-time-sharing system.

Several sessions already have been offered with good response and classes will continue until no further interest is shown, Dr. Thomas said. Faculty wishing to register for the workshops should contact Deb Finney in Academic Computer Services, 372-2102.

Dr. Thomas said many faculty already know how to program computers, and others who are interested in learning can do so in courses offered by the computer science department.

But Dr. Thomas emphasized that the new system can be used by people who have no real knowledge of computers. Various software packages which accompany the system provide "one of the potentially most interesting and long-range uses," Dr. Thomas said. For example, faculty and students in the College of Business Administration might want to use the system to access management games which simulate the operation of a company.

Dr. Thomas said the system should be more popular than anyone expected. "People will find it creative and more interesting than they ever imagined," he said.

"Now that it is here, they will begin to take note of it," he added. "It is available for the physics department at other universities are doing and realize they can do those things too."

The computer system, which represents a total cost of about $265,000, is especially functional, Dr. Thomas said, because the user can only state the problem to the computer, which can accomplish more in a given amount of time and because the computer can be shared by all individuals.

University receives $500,000

State funds help upgrade instructional programs

A one-time $500,000 appropriation from the state will enable Bowling Green to purchase major items for strengthening instructional programs.

The money has been allocated through provisions of the higher education section of Amended House Bill 493.

Provost Michael Ferrari said a list of proposed purchases which President Moore and he submitted to the chancellor now has been approved and purchasing procedures should begin soon.

The sciences, allied health, technology, music, instructional television, journalism and design programs in home economics and art will benefit from the equipment to be purchased, according to Dr. Ferrari.

In a memo to department chairs regarding the decision to purchase certain pieces of equipment from a much larger array of needs, Dr. Ferrari said the following factors were considered:

-Current and anticipated student needs in the various programs and departments;
-Quality and utility of existing instructional equipment;
-Existing faculty strengths in the program;
-Institutional commitment and capability of handling on-going operating and maintenance costs associated with the equipment purchase;
-The immediate classroom or laboratory usefulness of the equipment.

"This decision process has been a difficult one, for our needs far exceed the funds available," Dr. Ferrari said in his memo. "In such a situation, it is inevitable that the disappointments will out-number the satisfactions. I can only state that thoughtful efforts have been expended in reviewing all requests."

To be purchased for the biological sciences are equipment for core undergraduate courses, stainless steel cages, cage racks and bottle washers for animal care, a pH/blood gas analyzer system, an incubator and 25 microscopes, at a cost of $91,000.

The stainless steel cages are essential for the care of animals to bring Bowling Green into greater compliance with federal standards, Dr. Ferrari said.

The chemistry department will receive $20,000 of equipment to support undergraduate and graduate instructional programs and research.

A scanning electron microscope will be purchased for geological and biological instruction and research at a cost of $75,000. Dr. Ferrari noted Bowling Green is nationally recognized for its work in electron microscopy. The present faculty and facilities, combined with the new microscope, should make Bowling Green a major regional center for scanning electron microscopy, Dr. Ferrari said.

The psychology department is to receive a microcomputer and interfacing equipment, valued at $20,000.

Applied microbiology will receive top loading and analytical balances at a cost of $10,000.

Frequency counters, stroboscopes, spectrosopes, an oscilloscope and a plotter will be purchased for the physics department at a cost of $8,000.

A $20,000 printing press is to be purchased for the School of Technology, Dr. Ferrari said there is a great need for upgrading the visual communications technology area within the school, as the program has excellent career opportunities.

Replacement of outdated audio-visual video equipment in the instructional television studio is among the largest purchases, at $175,000. The equipment is vital for the instructional program in broadcast journalism and the music television curricula, according to Dr. Ferrari.

Drawing tables for the design programs in the School of Art and home economics department will be purchased at an estimated cost of $16,000.

The College of Musical Arts will receive a Ruhland chamber organ, to be purchased for $20,000 from a local church. Dr. Ferrari said the instrument is needed in numerous works with orchestra, opera and new music compositions.

The School of Journalism is to receive $45,000 of Compugraphic equipment located in the printing center with format option, headline, controller and terminals/typewriters.
Continuing management education is ‘big industry’

The University’s Management Center, operated by the College of Business Administration, is keeping pace with perhaps the fastest growing industry in America—the continuing education of adult workers.

According to Gary A. Roser, director, the Center was established in 1969 to “serve the training and development needs of business, professional, industrial, government and health care organizations in northwest Ohio as well as surrounding states.”

Roser emphasized that nearly every university in the country is becoming involved with this type of continuing management education. “We serve those who have already finished their formal education,” he said. “The competition is outrageous,” he said. “The University of Toledo has started a center and the University of Michigan has one of the largest centers in the country—if it’s a big industry, we’re involved.”

The Bowling Green Management Center, which is operated by three full-time administrators, attracts clients from a variety of businesses who want to expand their knowledge of management and industry, Roser said. As a supporting part of the College of Business Administration, the Center conducts a variety of one-to-three-day seminars and workshops on campus. The fees charged for the programs are used to cover operating expenditures. University employees may attend the programs at a 25 percent discount.

The Center sponsors about 120 seminars each year, attracting several thousand people. Seminars are taught by University faculty, as well as from other universities or managers and consultants from industry, Roser said.

“The scheduling of seminars is different than the typical group of students,” he said. “The faculty find it a challenging situation to talk to a group of working adults.”

Some of the seminars planned for this month include “Effective Office Management,” “Communication Skills for Secretaries,” and “Motivating Employees.” A complete list of seminars and workshops is available from the Management Center.

According to Roser, there is also a public relations side to the seminars. “The Center helps to enhance the feeling that Bowling Green has a good business school,” he said. “If people from business and industry haven’t ever been here to see our product (students), how can we create an impact on them? We convey messages to the business community—they’re all potential employers.”

In addition to conducting seminars and workshops on campus, the Center has the opportunity to go to an industry and hold a seminar there.

“We do this quite a bit now,” Roser said. “From a company’s point of view we are looked at as an extension of their training programs. We can customize a workshop or program to meet the needs of that particular industry.”

New library department makes long-range plans for growth

The University Library’s new collection development department is setting long-range plans for the acquisition of books at Bowling Green.

Historically, the Library relied on a purchasing department to order and pay for materials, but it has now expanded to include development of the Library’s collections.

According to Angela Poulos, head of collection development, "We want to go out and buy some structure over the development of the collection. We must monitor the needs of the University and plan ahead to meet those needs.”

Poulos, who described the collection development department as "the keystone information and a lot more,” said the department’s emphasis is on more efficient use of resources.

Dwight Burline, dean of libraries, said the acquisition budget is divided into four parts: the book budget, the standing orders budget, the book budget, and the approval plan.

"The Baker and Taylor Approval Plan consists of a profile of all the departments on campus. From that, we discover where the major need lies and order books on approval to meet student needs,” Dr. Burline said.

Poulos added, “The profile is a method of monitoring collection needs on campus. We talk to the various departments and find out what subjects they are interested in, as well as their depth of interest.”

In addition to monitoring departmental needs, the collection development department is striving to reflect the research interests of faculty and the curriculum of the entire University.

A first for the collection department is “curriculum modification forms,” recently approved by Academic Council.

"The forms list all new courses, all modified courses, new majors and new minors,” Dr. Burline said. "The forms allow us to meet student needs and plan ahead for new courses by approving our collection programs.”

CONTINUING EDUCATION—A seminar on time management, sponsored by the University’s Management Center on Feb. 26, attracted representatives of business and industry from throughout northwest Ohio. The workshop is one of many offered by the Management Center in its attempt to keep pace with the growing need for continuing education of adult workers.

Gary Roser, director of the Center, said the seminars annually attract several thousand people.

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Faculty

Grants

Christopher Dalton, chemistry, $15,000 from the American Chemical Society, Petroleum Research Fund, to study the photochemistry of polynuclear aromatics.

Kenneth F. Mucker, physics, $7,260 from the National Science Foundation to support a Student Science Training Program.

Seventeen students from various Ohio high schools will visit Bowling Green to learn about photography and related facts stored in the memory.

Douglas Necker, chemistry, $30,000 from Dow Chemical Co. for research on polystyrene stability.

The award will support a graduate student or doctoral student working under the supervision of Dr. Necker.

Kirk Smith, psychology, $25,218 from the Public Health Service, Department of Health, Education and Welfare, to study the "paradoxical memory." Smith, Dr. Smith will test the theory that "remembering" turns out to be based on the retrieval of related facts stored in the memory.

Recognition

Mickey Cochrane, HPE, received the Honor Award at the annual convention of the National Sooroc Coaches Association. The convention was held in Cleveland.

Dean Fettner, of the Ohio Association of School Administrators, was recently served as a judge in the annual newspaper article, magazine article and book competition of the Aviation-Space Writers Association, of which he is a member.

Dan Nies will also serve as a judge in the annual Page One Awards Control in Buffalo, N.Y., Newspaper Guild.

He is one of three nominees for the office of vice president of the National Council of College Publications Advisers.

Nafour, educational administration and supervision, directed four clinics at the Feb. 14-17 convention of the American Association of School Administrators held in New Orleans.

His duties included selecting topics for the sessions and choosing the speakers.

Ronald Gargas, program manager, WBGU-TV, and Robert Vollmer, staff designer, University archives, staff designer, were awarded the Outstanding Volunteer of the Bowling Green Curling Club Men's Team which won the regional Curling competition held this month at Bowling Green.

The team will advance to national competition March 5-9 in Superior, Wis.

Bruce Smith, educational administration and supervision, has been awarded a scholarship by the National Academy for School Educators.

The scholarship, one of 40 awarded, was given by the American Association of School Administrators, may be used for tuition-free attendance at any one of NASA's seminars and in-

stitutions.

Robert Yongker, education, was involved in research for an award-winning paper on "Biochemical Consequences of Essential Hypertension." Yongker, principal researcher for the project, was awarded a fellowship at the Medical College of Ohio, who was supervised by Dr. Yongker as one of three other faculty at the Medical College.

Presentations

Dennis M. Anderson, political science, will present a paper on "Voting and Mis-Voting on the Ohio Election Day Registration Failure" at the annual meeting of the Oral Association of Economists and Political Scientists to be held March 9 and 10 in Worthington.

Dr. Anderson also participated in a panel discussion on electoral politics at the same meeting.

Giochello Baludro, romance languages, presented a paper on "The Student of the Balconies" at the 1979 conference of the Southern Comparative Literature Association. The paper was held Feb. 15-17 at the University of Tennessee.

The paper discussed Federico Fellini's movie, "8½.

John van Duyne, special education, presented a paper on "Effects of Word Presentation Rate on Ear-Assymmetry in Children" at the Feb. 2 annual meeting of the International Neuropsychological Society in New York City.

Dr. van Duyne also recently chaired a session on "Implications of Neuropsychology for Education" at the annual meeting of the American Psychological Association held in Toronto.

Robert A. Holmes, legal studies, will conduct eight one-day seminars on affirmative action-discrimination law problems for the Ohio Bureau of Employment Services.

The seminars, designed for Ohio business on in the major metropolitan areas, will be held in Youngstown, Cleveland, Toledo, Columbus, Dayton and Cincinnati.

Last summer Dr. Holmes conducted a similar program for businessmen in northwest Ohio under a Title I grant.

Sooja Kim and Kathleen Campbell, home economics, presented a videotape entitled "Nutrition Education for the Elderly" at the annual scientific meeting of the Gerontological Society held recently in Dallas.

The videotape was developed by Dr. Kim, Dr. Carolyn Gaige, McCurdy, Medical College of Ohio, who was supervised by Dr. Yongker as one of three other faculty at the Medical College.

Speed grants available from FDC

Funds for Faculty Development Committee speed grants are still available to faculty for the remainder of this academic year, according to David Hyslop, business education, who chairs the committee.

Speed grants of up to $250 are awarded to help faculty improve their current instructional abilities, Dr. Hyslop said. They are most frequently used for workshops or seminar participation.

Unlike Faculty Development Grants, speed grants are awarded only once each year for projects in excess of $250, the speed grants must be completed at any time, Dr. Hyslop said. Applications are available from the Office of the Provost.

Guidelines for applying for speed grant funding were mailed to all faculty in the fall. Dr. Hyslop said any faculty who no longer have a copy of those guidelines may request one from the provost's office. He also noted the guidelines were changed this year.

The purpose of the Faculty Development Committee is to encourage and facilitate continued professional growth among the faculty, according to Dr. Hyslop. Activities of the FDC include conducting a seminar for fall new faculty to acquaint them with the University. The committee also acts as a liaison on behalf of the Development Grant and Faculty Improvement Leave requests.

In addition, the FDC is planning several workshops during spring quarter. Information about the workshops will be distributed at a later date, Dr. Hyslop said.

Members of the present Faculty Development Committee, which includes representatives from each of the colleges, are: Jeanette Daniels, Fine Arts (for Thomas Dence); Judy Kiser, social work; Virginia Marks, performance, and Katherine Monahan, computer science; Jong Sik Yoon, biological sciences; Kenneth Robb, English; Norma Stickle, provost's office; Larry Wills, education; Nancy Wygant, counseling and career development.

The FDC was made a University standing committee for the first time this academic year. New members will be elected annually on a rotating basis.

One person emphasized the committee members are interested in new development activities to speed grants. Accurate information about what might be done by the FDC should contact Dr. Hyslop.
Soviet scholar to teach on campus

Courses on Soviet government and politics, which will be offered spring quarter by the political science department.

Dr. William B. Baill of the University of Michigan last year, has spent the past 50 years studying Soviet government and foreign policy. He is a former member of the American embassy in Moscow and served as chief of the Russian Research Section of the U.S. Department of State.

Financial aid supplement granted

Beryl Smith, financial aid, has announced receipt of a $257,622 grant from the Office of Education, Department of Health, Education, and Welfare.

The grant represents the 1976-79 Basic Educational Opportunity Grant Program which provides financial aid for students.

Rodent, bird control workshop scheduled

A rodent and bird control workshop will be held by the Environmental Studies Center on Tuesday and Wednesday, March 6 and 7, in the University Union. The workshop will include sessions on pest biology, management techniques, new devices, toxicants and formulations.

Dr. Anderson to study Toledo agriculture

Thomas D. Anderson, professor of geometry, has received a $5,791 grant from the Whitehall Foundation, Inc., for a study of land used for agriculture in the metropolitan Toledo area.

Dr. Easterly updates study

N. William Easterly, biologist, has completed a revised Edwin L. Mooney's "Flora of the Oak Openings," published in 1928 by the Ohio Academy of Science.

Dr. Easterly expects to publish the findings of the 15-year study of the flora of the oak openings area in northwest Ohio sometime in the near future.

Dr. Easterly's work includes an annotated list of 999 plant species, their habitats, study tours and a comparison of the frequency of occurrence of the species in Mooney's 1928 study and his own.

COOPERATIVE EDUCATION--David Newman, chemistry, helped high school students from Washington Court House launch a chemistry study when they visited Bowling Green on Feb. 23 and 24. The youths are students of Donald A. Storer, a University alumnus, who has been awarded a $2,000 grant from the Ohio Dept. of Education to conduct chemistry research with his students. Dr. Newman presently is testing pyridium for its use as a routine duty chemical, and the high school students will conduct experiments contributing to his research. Their visit to Bowling Green was an orientation to Dr. Newman's research and the equipment they will use in their experiments at Washington Court House.

Interdisciplinary study breaks faculty 'routine'

More than 900 students and 54 faculty members are involved in interdisciplinary programs on campus this academic year, according to Michael Moore, history, who is half-time coordinator of the programs.

Dr. Moore was named coordinator of interdisciplinary studies in July. His position is part of the University Division of General Studies.

"Interdisciplinary efforts, such as American studies, have been underway for many years at Bowling Green, but we need to make more of an institutional commitment to ongoing programs and make them more viable," Dr. Moore said. "In the latter sense, there are many exciting possibilities."

Current programs include the Little College, Religion and Culture Seminar, the Ascent of Man Quarter, Humanities Cluster College and thematic quarters in mass media, Appalachian and African studies, as well as languages.

One of Dr. Moore's responsibilities involves recruiting faculty to participate in interdisciplinary course offerings. "The program means a great opportunity for faculty renewal within the institution," Dr. Moore said. "It allows faculty to get away from their routine duties and become involved in stimulating work with people from other departments."

Dr. Moore explained that arrangements made between the University Division and faculty differ, depending upon the ability and willingness of departments to excuse their faculty. Teaching in the interdisciplinary programs can be in-load work, paid overload or voluntary overload.

Dr. Moore said he indicated a number of faculty do volunteer just for the experience of teaching the courses.

For many faculty, involvement in an interdisciplinary program may afford the opportunity to look either at an area of concentration in an entirely different way or to try something totally different and still operate in an academic environment, he said.

Dr. Moore said that several departments plan their own interdisciplinary programs, with only two or three faculty involved. He said the University Division is helpful, however, when planning a large-scale course offering. The Division can provide additional resources, both printed and personal, suggestions for structuring and operating an interdisciplinary program and some funding and assistance in advertising for prospective students.

"The importance of support groups can not be overemphasized," Dr. Moore said. The University Division assumed responsibility for a number of interdisciplinary programs when it was formed four years ago. The oldest is the Little College, a skills-oriented course, developed 10 years ago. The Humanities Cluster was the next program offered.

Today courses vary, from the cluster, in which students devote an entire quarter to the program, to the thematic quarter, where students take advantage of regular course offerings and enroll in a seminar to "fit it all together."

A smaller number of classes (two or three) also may be scheduled in such a way that once each week the students share an hour of class time together.

Dr. Moore said students use interdisciplinary programs to fulfill group, major or general studies requirements.

"We strive for integration," he said. "The exciting thing about interdisciplinary work is the level of integration that can be achieved."

Monitor

Monitor is published every two weeks during the academic year by students for faculty and staff of Bowling Green State University. Editor: Linda Swiegolad; Editorial Asst.: Vicki Nonnamaker. Change of address notices and other information should be sent to the Monitor, 100 Administration Building, Bowling Green, Ohio 43403.