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Monitor Newsletter January 06, 1986

Bowling Green State University

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Bowling Green State University

January 6, 1986

Unique center established at University

A Center for Photochemical Sciences, the only one of its kind in the country, has been established at the University.

According to Douglas Neckers, executive director of the new center and chair of the chemistry department, the center is designed to "prepare postdoctoral students and other professionals in the principles of photochemistry, photopolymer science, photophysics and spectroscopy.

The center will also serve as a magnet for photochemical research projects and as a clearinghouse for information about photochemistry.

"It will strengthen our ties with industry," said Dr. Neckers. "It will assist us in attracting the best faculty and the best students to this University. It will call attention to the strengths of our department and it will give us visibility in the academic and business communities."

Dr. Neckers added that the new center is also expected to increase the size and quality of the chemistry department. "Within the next three years, I would

expect the number of post-doctoral and graduate students to increase substantially.

"Also, due to the close interaction between undergraduate and graduate students, the center will enhance our undergraduates' skills and better prepare them for graduate study. Not to be missed, of course, is the outstanding opportunity the center provides for job placement for our students."

Industry leaders serve on the center's eight-member scientific advisory board. They include Samir Farid, research director for the Eastman Kodak Co.; William D. Hinsberg, IBM research laboratories; Richard Wright, vice president of research for Mead Imaging; Harold McMaster, chairman of Glasstech, Inc. of Perrysburg; David Eaton, E.I. Dupont de Nemours; Clarence McMaster, 3M Corp., and M.G. Baldwin, vice president of research and development for Shibley Co. of Newton, Mass.

Photochemistry, the use of light to cause chemical reactions, is a billion-

dollar industry with applications in almost all areas of business. For example, photochemistry is used in phototypesetting and offset printing in the printing industry. Everything that deals with some type of imaging, from photography to packaging, uses photochemistry in one form or another.

It can also be found in a variety of other industries, from painting cars to laminating desk tops.

However, photochemistry's most dramatic uses and its brightest future lies in high technology industries such as medicine and electronics.

In medicine, research is now being done with drugs which are nontoxic to the human body unless they are exposed to a certain type of light. By localizing this light source to only the cancerous areas of the body, scientists are hoping to kill the cancer without dangerous side effects.

In electronics, photochemistry is one of the basic sciences used in the production of computer chips.

"Photochemists are doing things which weren't even thought of 10 years ago," said Dr. Neckers, adding that he expects the same to be true a decade from today.

He said he expects the Center for Photochemical Sciences to play an important role in those advancements.

Most chemistry faculty members are currently involved in photochemical research, with each having a different expertise in the area. "We are doing very basic research, the type of research which will serve as the building blocks for future products and inventions," said Dr. Neckers.

Currently, only chemistry personnel are involved with the center, but Dr. Neckers said he anticipates faculty from all of the science areas at the University to become involved in the center's activities.

Projects sought for program

The Ohio Board of Regents has announced the research support component of its Selective Excellence programs, known as the Research Challenge Program.

The program provides state funds to each public university proportionate to its external research expenditures during the 1983-85 biennium. Bowling Green's allocation is estimated to total between \$400,000 and \$500,000. In order to receive its funds, each university must devise an overall plan for using its allotment. The plan must include information about specific projects to be supported, as well as how those projects will generate additional external research support and aid the long-term revitalization of Ohio's economy.

All research areas are eligible for the funding as long as the research is of high quality and can demonstrably achieve the regents' objectives. A set of projects to receive state support will be decided by a competitive process that incorporates project ideas and activities developed by individual faculty or small teams of investigators within the framework of priorities and criteria designated by the regents and the University.

Within those broad goals, a variety of research objectives and activities can be supported, including:

- Pilot studies to provide findings that will enhance the competitiveness of external grant applications.
- New investigator support.
- Approved but unfunded external proposals which have written external evidence of high quality or merit but were not funded due to lack of funds at the external agency.
- Research skills development to develop new or improve technical or methodological skills related to research.
- Research redirection to provide support for shifting a research focus as implied by current findings, major new development or paradigm shifts.
- Research techniques or instrumentation development to provide new or enhance existing research procedures, protocols or instrumentation.
- Central shared research resources to

provide for instruments, equipment or specialized research services, such as animal care or computer technology, that are shared by a number of investigators and cannot be justified by a single project.

The regents also consider two other activities to be acceptable but at a lower priority: research program continuity to provide interim support during temporary lapses in external project support; and unforeseen emergencies — to provide for repair or replacement of damaged equipment or for needed safety enhancements.

Research Challenge grants will be awarded for projects which, overall, offer the greatest likelihood of meeting four general goals. In order to receive funding, a proposal must:

- Exhibit high scientific, technical, scholarly or creative quality, merit and significance.
- Lead directly to additional external support that offers the promise or potential to sustain the proposed area of work.
- Improve or enhance the research capabilities or research environment of the University.
- Aid the long-term revitalization of Ohio's economy.

Attention should be given in proposal development to how those goals can be convincingly articulated, demonstrated and achieved. As proposals are prepared, a number of program characteristics should be followed. Guidelines may be requested from the Research Services Office. Full-time faculty on continuing appointments are eligible to apply. The maximum award will be \$30,000 unless the submission supports research efforts of several faculty in request for shared equipment or facilities. The earliest starting date for projects is April 1, 1986 and the maximum project duration will be 12 months.

The Research Challenge Coordinator is Chris Dunn, director, research services. The deadline for applications, which includes an original and seven copies, is 5 p.m. Tuesday, Jan. 21. Special forms are available for the preparation of proposals.



Howard M. (Moe) Ankney

Ankney hired as coach

Howard M. (Moe) Ankney was named the University's new head football coach last week by Athletic Director Jack Gregory. Ankney, 43, has been the assistant head coach, defensive coordinator and secondary coach at the University of Arizona for the past six years.

Ankney is an Ohio native and a 1964 graduate of Bowling Green. He was a reserve quarterback on Doyt L. Perry's 1961-62-63 teams that posted a 23-5-1 record and claimed two Mid-American Conference championships.

Ankney has also coached at Tulane University and Ball State University and at three Ohio high schools.

Ankney and his wife Carlalee, also a University graduate, are the parents of three children, Angela, 21, Andy, 20 and Molly, 18.

In Brief

Purchase orders change

Several changes have been made in the handling of purchasing orders.

In the past, departments had to issue purchase orders for material valued at \$50 or more. That figure now has been raised to \$200. New order forms can be obtained by calling the Purchasing Department at 372-8411.

Also, requisitions under \$200 can be sent directly to the business office without going through the purchasing department.

Equipment under \$200 will no longer have inventory tags, which still will be necessary for equipment valued over \$200.

Metered parking enforced

The division of parking and traffic in the department of public safety will enforce metered parking during the remainder of Christmas break in Lots 11, 13, 14 and 17 and in the lots west of McFall Center and east of the University Union.

Vehicles parked in loading dock areas, reserved spaces and/or fire lanes also will be ticketed during the break, which ends Jan. 13.

There will be no ticketing in unmetered lots during the break period.

Memorial march planned

In recognition of the birthday of Martin Luther King Jr., the board of Black Culture Activities will sponsor a memorial march from the Student Services Building to Prout Chapel. The march will occur on Wednesday, Jan. 15, beginning at 6 p.m. A eulogy service will be held at the chapel following the march.

For Sale

The Department of Psychology has for sale to University offices and departments a used IBM Memory 100 typewriter. Contact the department for more information (372-8377).

Datebook

Wednesday, Jan. 8

Women's Basketball, Bowling Green vs. Central Michigan Univ., at Mt. Pleasant, Mich., 5:45 p.m.

Men's Basketball, Bowling Green vs. Central Michigan Univ., at Mt. Pleasant, Mich., 8 p.m.

Friday, Jan. 10

Hockey, Bowling Green vs. Univ. of Michigan, home, 7:30 p.m.

Faculty/Staff Positions

The following faculty positions are available:

Biology: Microbiologist. Contact chair of search committee (2-2332). Deadline (extended): Jan. 6.

Biology: Plant molecular geneticist. Contact chair of search committee (2-2332). Deadline (extended): Jan. 6.

Education: Assistant professor. Contact Robert Reed (2-7350). Deadline: March 15.

Educational Administration and Supervision: Assistant professor (two positions) and associate professor. Contact Richard Carlson (2-7377). Deadline: Feb. 1.

English: Lecturer (temporary). Contact Lester Barber (2-2576). Deadline: Feb. 1.

Firelands: Assistant librarian, humanities. Contact Office of the Dean (433-5560). Deadline: March 1.

German and Russian: Assistant professor. Contact Joseph Gray III (2-7140). Deadline: Jan. 6.

Home Economics: Assistant professor, institutional food service administration. Contact Deanna Radeloff (2-7823). Deadline: Jan. 15.

Home Economics: Assistant professor of textiles, clothing and interior design. Contact Deanna Radeloff (2-7823). Deadline: Jan. 15.

Library: Coordinator of library user education. Contact Laurene Zaporozhcz (2-2362). Deadline: Feb. 26.

Management: Assistant professor and visiting assistant professor. Contact Chan K. Hahn (2-2946). Deadline: Feb. 12.

The following administrative staff positions are available:

Development: Associate director. Contact Susan Caldwell (2-2558). Deadline: Feb. 1.

Office of Minority Affairs: Director, minority programs and activities. Contact Susan Caldwell (2-2558). Deadline (extended): Jan. 22.

Election issue still being discussed

The election committee of the Classified Staff Council will be discussing different methods of electing members to the council.

Council members suggested, during discussion of the election issue at its Dec. 17 meeting, that different manners in which members are elected be examined. According to Chris Esparza, vice chair of council, alternatives include: electing one third of the 21-member council in each of three successive years; electing the entire council to a three-year term at once; or electing the entire council to a one-year term and then set up the alternating terms.

Esparza said the election committee will meet to discuss the alternatives before offering a report to the full council at its next meeting on Jan. 21. She said the committee hopes to have the election process in place by May 1986. It was suggested that elections be held to allow elected members to take office with the start of the fiscal year July 1.

In other matters, the council approved a draft of a survey that will be sent to all classified employees. The survey asks for opinions about summer hours, child care,

Classified Staff Council

holidays, the *Monitor*, the bookstore and other issues.

Council members were told that the ad hoc committee on pay restructuring for classified employees had submitted a report to Karl E. Vogt, vice president for operations. Council members who sit on the committee said that they could not answer specific questions about the report until the committee had received feedback from Dr. Vogt, which should occur this month.

Council suggested that chair Sharon Stuart try to get a copy of the participating members of the Toledo Industrial, Recreation and Employees Services Council (T.I.R.E.S.) placed in the Jerome Library and the library of Firelands College. Business members of T.I.R.E.S. provide discounts to state employees. A list of the members is available for use in the office of personnel support services in Shatzel Hall.

Halley's Comet program returns

The success of a presentation about Halley's Comet at the University's Planetarium has led to a repeat performance.

"Halley: A Comet's Tale," which explores the nature of the comet and its role in history from the perspective of the comet itself, will be presented Jan. 10 through 26.

The 35-minute program, produced jointly by the staffs of Bowling Green's planetarium and the Ward Beecher Planetarium at Youngstown State University, not only traces the comet's history but how it has been perceived by various peoples.

A live sky almanac section of the presentation explains how to look for Halley's Comet in the northwest Ohio sky with binoculars and ideal observation conditions.

Additional funding by the College of Arts and Sciences and other sources

helped make the second showing possible. The program's initial appearance from mid-October through mid-December was seen by standing-room crowds.

Increased interest in the comet created a demand for a return performance.

The program will be presented at 8 p.m. each Tuesday and Friday and at 7:30 p.m. on Sundays from Jan. 10-26.

There is no admission charge but a \$1 donation per person is suggested to help defray program production costs.

Classified Employment Opportunities

The following classified positions are available.

* Indicates that an internal candidate from the department is bidding and being considered for the position.

NEW VACANCIES

Posting Expiration Date for Employees to Apply: 5 p.m. Monday, Jan. 13, 1986

1-13-1 **Account Clerk 1**
Pay Range 4
School of Art

1-13-2 * **Clerk 2**
Pay Range 3
University Union
Permanent, part-time

1-13-3 **Clerk 2**
Pay Range 3
Continuing Education
(registration)
Temporary, part-time
(Through June 30, 1986)

1-13-4 **Clerk 2**
Pay Range 3
Continuing Education
(budgets and operations)
Temporary, part-time
(Through June 30, 1986)

1-13-5 **Computer Operator 1**
Pay Range 27
Computer Services

1-13-6 **Food Service Worker**
Pay Range 1
1-13-8 **Food Operations**
Academic year, full-time
(Three positions)

1-13-9 * **Programmer Analyst 1**
Pay Range 28
Computer Services