

# the Interior

For Saginaw Valley State University employees. Published by the Office of Information Services. Call 790-4054 with news items.

June 26, 1990

## **SVSU Research Aids Area Economy, Environment**

The Saginaw Valley stands to reap triple benefits from the results of research projects carried on in SVSU laboratories. Three new businesses — Carbonetics Inc., S & S Recycling and Omni Tech International — hold licensing and joint development agreements with SVSU for marketing of products and services developed at the University.

Research leading to the industrial applications was performed through SVSU's Applied Technology Research Center (ATRC), established in 1985. Using resources provided by the State of Michigan Research Excellence Fund, the center links University researchers with regional industry to increase the technology base in the Saginaw Valley.

Soon after its inception, ATRC personnel identified environmental cleanup as a major concern of the manufacturing sector. Dr. George Eastland, professor of chemistry, began researching methods to eliminate heavy metals such as chromium, copper and nickel from industrial waste streams. In 1988, ATRC researchers filed a patent on a process that not only removes these metals from waste streams, but converts them to a usable form to be recycled back to the production line.

"Clearly, the removal of such materials from waste streams is of great importance environmentally," said Dr. Thomas Kullgren, dean of science, engineering and technology, "but the recovery and recycling have a significant economic impact. For example, the estimated value of metals in U.S. industrial waste streams in 1980 was \$3 billion."

Encouraged by the results of heavy metals

research and related spin-off projects, Carbonetics, Bay City's Monitor Sugar Company, and Omni Tech International of Midland joined the SVSU effort as research partners last year. Because the projects had obvious economic development potential, BIDI wrote business plans for three new companies.

Carbonetics, Inc. will design, install and operate heavy metals recovery and recycling systems throughout Michigan. S & S Recycling of Bay City plans to convert waste products to usable forms, as well as marketing chemicals to manufacturers throughout the midwest. Omni Tech International expects to begin production and sales of a sophisticated specialty chemical with a worldwide market.

Kullgren said royalties from the licensing agreements will be used to support continuing research in areas linking economic development and the environment.



William Stephenson Jr., president of S & S Recycling Inc. (left), Richard Heiny, vice chairman of Omni Tech International, and Thomas Vivian, vice president for research of Carbonetics Inc., attended an SVSU press conference June 20 announcing business start-ups related to SVSU research. The new businesses are expected to generate a combined total of some \$4 million in annual revenues, as well as creating 10 new jobs in the near future.



Former NASA astronaut Jack Lousma spoke to 9th graders who attended the Mid-Michigan Minority Pre-Engineering Program (M<sup>3</sup>PEP) activities at SVSU last week. Lousma left a challenge for the young minds. In one orbit of the Earth that took approximately 90 minutes, he said, "I crossed places at war, both large and small; places with people who don't have enough to eat; places with no education." He contended that countries with the technology to put man in space should be able to create better conditions on Earth.

### **K-12 Teachers, Administrators Team Up for School Improvement**

Clare's Doherty Convention Center is overflow this week with teams of area teachers and administrators attending a workshop targeting improvements in K-12 school systems. Some 270 registered for the "Leadership Academy for School Improvement Teams" offered June 25 - 27 by the Greater Saginaw Valley Regional Center for Professional Development.

According to Dr. Elaine Stephens, director of the professional development center, workshop participants can expect to learn more about the research that has been done on school improvement. "They will work in teams on specific components of the school improvement process," she said.

The teamwork concept is basic to the workshop, she indicated, and participants were required to register in teams of three or more, with each team composed of administrators and teachers. Some 27 local and intermediate school districts are represented. While some districts are sending only three people, others are sending several participants. Bridgeport/Spaulding Schools will have 40 teachers

and administrators on hand for the three-day academy.

Bob Cole, vice president of the Center for Leadership and School Reform, will wrap up the conference with a presentation on "Creating New Visions for Middle American Schools." Cole's work with the Center includes rural school restructuring and policy analysis.

"Cole has conducted extensive research on the needs of small town and rural schools," Stephens said. "Part of his studies were conducted in Michigan." A key problem identified through his research, she said, relates to the isolation these smaller districts encounter. "He suggests solutions such as consortiums much like the Greater Saginaw Valley Regional Education Cooperative (GSVREC)," she said. GSVREC is the parent organization of the Greater Saginaw Valley Center for Professional Development.

Other workshop speakers include Al Mamary, superintendent of Johnson City (New York) Public Schools, and Charles Sandro, coordinator of education for Professional Consultation Services. Mamary will discuss "The Blueprint" — developing mission statements, goals, objectives and outcomes for school improvements. Sandro's topics are "The Mystery of Managing Monsters" and "The Vehicle" (using team-building skills and communication strategies for school improvement).

Other speakers are Dr. Charles Link, assistant superintendent of Bay City Public Schools; and Lynn Benore and Ron Valutis, directors of the Middle Cities Project. Those completing the workshop receive 1.5 State Board Continuing Education Units toward their professional development requirements.

### **Non-Traditional Student Organization to Start**

An organizational meeting for a non-traditional student group will be held this summer. The organization will provide peer networking, specialized programming and other services for and by non-traditional students. For more information about this support group, call Jean Chesney, director of the Lifelong Resource Center, at ext. 4267. Faculty and staff are encouraged to refer students to her office for information and support.

## Institutional Research Reports Available

The results of several years' surveys of SVSU graduates have been summarized by former Director of Institutional Research and Planning Ann K. Dickey into two volumes. One report examines the data gathered from baccalaureate degree recipients, while the other contains information from those who earned master's degrees.

"Responses from graduates of specific programs can be a valuable indicator of how well we are doing," notes Director of Institutional Research Jan W. Lyddon. Copies of the Dickey reports have been distributed to each of the deans and department chairs and will be placed on reserve in the library. Lyddon encourages members of the campus community to examine the reports.

"I welcome your comments and hope this information proves useful," she said. The data was obtained from students graduating from 1985-86 through 1987-88.

## Phonic Ear Equipment Available from Circulation Desk

Effective for summer, students with hearing aids may check out the Phonic Ear transmitters and receivers from the Zahnow Library circulation desk. The units available were donated by SVSU Student Government.

Students wishing to use the devices should contact the Handicapped Services Office in 129 Wickes Hall, ext. 5600. Instructions for use and a brief practice session are required. Not all hearing aids are compatible with the electronic system for sound enhancement.

## Briefly Speaking

-- The Greater Saginaw Valley Regional Telecommunications Network **Two-Way Interactive Instructional Television Workshop for Teachers and Administrators** takes place June 27 and 28. Participants will engage in hands-on activities originating from sites at Swan Valley, Hemlock and Merrill high schools.

-- **An All-Campus Picnic** will take place between 11:30 a.m. and 1:30 p.m. Friday, June 29. The event, outside the Library, is sponsored by Campus Dining and costs \$3/person.

-- July hours for the **Marshall M. Fredericks Sculpture Gallery** will be Sundays and Wednesdays from 1 to 5 p.m. For information or group tours, call ext. 5667.

-- The first of three **Mid-American Pompon** camps begins Friday, July 6 and concludes July 9.

-- **Elderhostel**, a learning experience for people 60 and over, begins Sunday, July 8 and runs through Saturday, July 14. Contact the Lifelong Resource Center at ext. 4267 for more information.

### Faculty/Staff Computer Classes Set

Computer Services will be offering three classes for SVSU faculty and staff during the month of July. Class size is limited for each of these sessions, so early reservations are advised.

Title	Topics	Date and Time
Introduction to PC's	How to use DOS, Library; answers to the most frequent help desk questions	Tuesday, July 10 9 a.m. to Noon
Introduction to WordPerfect	Basic operations; keyboard template; selecting printers and fonts	Wednesday, July 11 9 a.m. to Noon
WordPerfect 5.1 (new features)	Continuation of the WP introductory class; changes from 5.0; advanced 5.1 applications	Thursday, July 12 9 a.m. to Noon Tuesday, July 17 9 a.m. to Noon

**An Emergency Response Plan designed to chart a course of action in the event of a campus disaster is under consideration. Copies of the proposed plan are available for review at the library circulation desk and with faculty secretaries. Comments on the plan can be directed to Zane Rybkowski or Craig Maxwell at the Department of Public Safety, ext. 4250.**

## Administrative, Service Offices to Relocate

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Several office relocations designed to facilitate University functions have been announced. The changes were authorized June 13 and will take place during the summer months.

Please note the following changes in your *Faculty/Staff Directory*.

The Lifelong Resources Center will move to the office formerly occupied by **The Center for Economic and Business Research** adjacent to Zahnaw Library, second floor. **The Center for Economic and Business Research**, publisher of *The Economic & Business Review*, will move to the Administrative Services Building.

Also moving to the Administrative Services Building is the **Business and Industrial Development Institute (BIDI)**.

The office of the **Dean of the College of Education** (including the student teaching supervisor) will move to the present BIDI office, 307 Wickes Hall. **The Bilingual/Bicultural Center** and the **KCP professor** will move from its present location on the third floor of Zahnaw Library to third floor Wickes Hall office currently used by the Dean of Education. The office presently assigned to the KCP professor will be reassigned to Dr. Jack Ryder.

**The Accounts Receivable Office**, formerly on first floor of Wickes Hall, has relocated to the Controller's Office on the third floor. **The Office of Minority Services** is moving to the space vacated by Accounts Receivable.

Relocation of the Minority Services Office will give students more direct access to programs and services. Likewise, the Wickes Hall site for the Bilingual/Bicultural Center is more accessible to students. In addition, the library can use the vacated space for its rare book collection.

The new location of the Lifelong Resource Center is more visible than the previous site and allows greater service for non-traditional students. The moves within the College of Education bring all of that unit's functions together, while the Center for Economic and Business Research will gain needed space by moving across campus.

## Professional Profile

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— **Dr. Peter Moebs**, professor of chemistry, presented a paper titled "FT-NMR Providing Wider Horizons in Undergraduate Education" at the 22nd Central Regional Meeting of the American Chemical Society held on the SVSU campus June 6-8. His presentation was part of the conference's symposium on "Undergraduate FT NMR. **Dr. Albert Plaush**, professor of chemistry, also presented a paper titled "Determination of Rotational Partition Function Symmetry Numbers" at the general session on chemical education.

— **Robert J. Thaler**, assistant professor of sociology, spoke on "The Challenge of Citizenship in the 21st Century" at the annual awards ceremony honoring over 70 outstanding junior and senior high school social studies students. The event was conducted by Saginaw Public Schools on May 30 at Green Point Nature Center in Saginaw.

— **Dr. Gary Thompson**, professor of English, is attending the summer 1990 session of the School of Criticism and Theory. He will participate in a seminar conducted by Frank Kermode on "Value in Literature." Each summer Dartmouth College, Hanover, New Hampshire, invites approximately 70 students to participate in one of four six-week seminars by important scholars in the field of English.

## Across Campus

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-- Zane Rybkowski, director of public safety, expresses his appreciation to all members of the campus community who remembered him with cards, flowers, phone calls and personal visits following his recent surgery. Rybkowski is recuperating well and has returned to the office on a part-time basis.

-- The campus community extends its wishes for a full recovery to Ted Nitz, personal counselor and coordinator of handicapped services. Nitz is recuperating at home following a series of diagnostic tests and treatment for a circulatory disorder.

-- Congratulations to Pamela LaDouce and her husband, Scott, on the birth of a son. Sean Anthony arrived June 16 weighing 8 lbs. and 10 oz. Pamela is administrative secretary in the College of Business and Management.

## *JULY*

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- 1-31 The Marshall M. Fredericks Sculpture Gallery will be open Sundays and Wednesdays from 1-5 p.m. for the entire month. For tour information, call ext. 5667.
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- 6-9 The first of three Mid-American PomPon camps for high school teams will be held on campus. For more information, call ext. 4248.
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- 8-14 Elderhostel, a learning experience for people over 60, will be held. For more information, call ext. 4267.
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- 9-13 A high school girls' individual basketball camp will be held on campus. For more information, call ext. 7300.
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- 11 New and prospective students will meet in an evening orientation from 5-10 p.m. in LLD. For more information, call ext. 4170.
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- 11-14 Mid-American PomPon begins their second session of high school camps. For more information, call ext. 4348.
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- 13-16 The first of two high school boys' basketball team camps will be held on campus. For more information, call ext. 7300.
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- 16-20 A high school girls' softball camp will be held on campus. For more information, call ext. 7300.
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- 17-20 The high school boys' team basketball camp will be held at SVSU. For more information, call ext. 7300.
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- 18 An evening orientation for new and prospective students will be held from 5-10 p.m. in LLD. For more information, call ext. 4170.
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- 18-21 The final Mid-American PomPon session will be held at SVSU. For more information, call ext. 4348.
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- 23-26 A high school girls' volleyball camp will be held at SVSU. For more information, call ext. 7300.
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- 23-27 A boys' individual basketball camp for grades 4-12 begins at SVSU. For more information, call ext. 7300.
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- 25-28 The high school girls' cheerleading camp will be held at SVSU. For more information, call ext. 7300.
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— MORE —

30- The girls' basketball shooting fundamentals day camp will be held at SVSU. For more information, call  
Aug 1 ext. 7300.

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31- A high school football skill and conditioning workshop will be held at SVSU. For more information, call  
Aug 1 ext. 7300.

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31- The National Cheerleading Association will hold its annual training camp at SVSU. For more information, call  
Aug 3 ext. 7300.

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#### OFFICE OF INFORMATION SERVICES



A bas relief of former president Jack M. Ryder was unveiled in the reading area of Zahnow Library June 12. The three-dimensional piece was created by sculptor Marshall M. Fredericks, who earlier created a bas relief of first SVSU president Samuel D. Marble.

Current president Eric Gilbertson noted that the library is an appropriate place to celebrate an institution's history. Ryder and his wife, Lila, swept aside the sculpture's covering before addressing guests. He conveyed thanks to many individuals and groups for their help during his administration. "I look back with a great deal of satisfaction at what was accomplished over the years," he said. "All of you can feel proud of what you have achieved here at this institution."



#### Reminder

Publications referencing the former Wickes Lecture Hall should reflect the name change for this room. By Board of Control action, it is re-named the "Samuel D. Marble Lecture Hall."