

pointer



SCIENCE &  
TECHNOLOGY

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# pointer viewpoints

magazine

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If there is technological advance without social advance there is almost automatically an increase in human misery.

Michael Harrington

## Progress blinded by science

With the Orwellian year 1984 almost upon us, many have focused on the ominous consequences our fascination with technology has wrought. Big Brother, Orwell's bastard son of the love affair between humanity and technology, already rules some members of the human family, they claim.

In the frantic search to prove Orwell's dire prophecies true, however, many have neglected the realized and potential benefits sired from technology.

Since the turn of the century many diseases that previously threatened world health, polio and smallpox are obvious examples, have been virtually eliminated. Couples who would have earlier suffered the social stigma of infertility can now assume the role of parents thanks to such processes as in vitro fertilization. Barney Clark's artificial heart, which failed to prolong his life beyond a few months, was but another fitting tribute to the creative uses of technology.

Technological advances, though, transcend the world of medicine. Human productivity in the office, at the factory, and on the farm has increased tremendously. The beneficial limits seem endless, but so do some of the problems.

Some claim medical advances disturb the balance between world population and resources and threaten to wreck the Malthusian equation which necessitates higher mortality rates. The dehumanization of the labor process and the subsequent

loss of dignity, they claim, is but another result of technology run amok.

These detractors, however, fail to note one important consideration: The problems manifested by technology may not lie in technology itself, rather, they could rest in our use and application of new technologies.

In recent years the creative energies of our best scientists have been purchased at a steep price by governments throughout the world. Rather than concentrating their efforts on means to improve the quality of human life, they plan for its destruction within the military industrial complex.

Seymour Melman, writing in the New York Times, contends, "The concentration of capital on the military portends sharply diminished opportunity for a productive livelihood for most Americans. Clearly, a choice must be made as to where these resources will be used."

Since capital finances technological advances in our free enterprise system, its diversion toward destructive rather than productive purposes clearly indicates something has gone awry in our national priorities.

It's the old argument of guns versus butter with a new twist. With the rising deployment of nuclear weapons, the figurative gun pointed at our heads carries nuclear warheads rather than mere bullets.

According to Melman, the following facts illustrate the case for a redirection of scientific effort and money away from the military and into our economy:

Seven percent of the military outlays from fiscal 1981 to 1986, \$100 billion, could retool the U.S. steel industry so it could be cost-competitive with its foreign competitors.

The cost overrun alone of the Army's UH-60A helicopter program, a whopping \$4.7 billion, represents the annual capital investment needed to restore New York City's infrastructure and mass transit system.

One SSN-688 nuclear attack submarine worth \$582 million could be exchanged for 100 miles of electrified rail right-of-way.

We need a strong national defense, but at what cost? Will weapons be purchased to defend a nation that continually grows economically weak? Can we morally justify wasting our creative drive on self-destruction, while a plethora of world problems remain unattended too? Will we master the productive potential of technology or will we continue on a path that will ultimately leave the technological child master of its human parents?

In less than four months Orwell's apocalyptic era will have arrived. His dire predictions were based on the path mankind had chosen, and sadly follows today. We may not reach Orwell's vision next year, but it looms on the horizon with dangerous proximity.

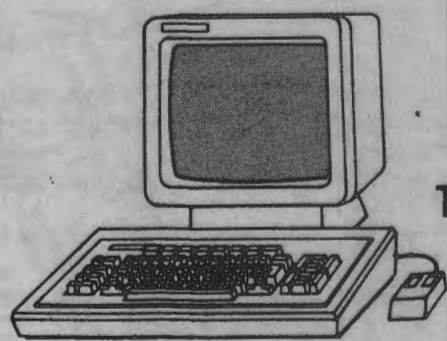
Despite the damning, seeming inevitability of Orwell's "1984" we can console ourselves with the following fact: It's not too late to turn back.

By Chris Celichowski

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SCIENCE  
AND  
TECHNOLOGY

## CONTENTS:

NEWS FEATURES SPORTS ENVIRONMENT

Joe Vanden Plas tunes into how robots are affecting state industry. The computerization of the UWSP campus is just one concern of Bruce Assardo as he examines several aspects of the computer's growing importance to the University.

Laura Sternweis discovers advances in the study of Polymers. Chris Mara takes one small step toward further study of space colonization. "Devices: An Exhibit of Technological Art," premieres this Sunday in the Edna Carlsten Gallery and P.M. Features Writer Chris Cherek previews the high tech extravaganza.

Platteville football fans had trouble hanging on to their hats due to sloppy weather, but they didn't have as much trouble as the Pointers did hanging onto the ball in their 27-7 loss to the Pioneers last Saturday. Bill Laste covers the gridiron defeat then laces into a story about the Point Cross Country Invitationals in which the men's team finished first and the women's team was runner-up.

Environmental Writer Sheldon Cohen takes a look at the severity of the acid rain problem in this country and finds there may be problems in the base rhetoric flowing out of Washington. John Savagian examines new technology applied to the hauling of radioactive and hazardous wastes.

Established 1981

**This Week's Weather**

Hit below 30 last night,  
'nough to give me a fright;  
Don't the Lord remember,  
it's still only September?!



# MAIN STREET

## Week in Review

### University gets a lock on new security system

The University of Wisconsin-Stevens Point has made plans to improve security in its residence halls by installing a new lock system on doors of student rooms.

The system utilizes five digit, push button combinations.

There will be major long-range cost savings with the system, according to Bud Steiner, finance and budget officer in the student life division. Life of the new locks will be about 30 years as opposed to 20 years for the present equipment that utilizes keys. Combinations can be changed in about 30 seconds as opposed to re-coring a lock on the present system, which costs about \$50 each time it's done.

All of the rooms in eight halls (dormitories) will be getting the new locks next summer—Baldwin, Hansen, Hyer, Smith, Roach, Neale, Pray and Sims. The remaining six halls will get their new equipment the following year.

Total cost of the project will be about \$350,000.

The new lock system came under criticism recently from a UWSP janitor who contended in a public statement that the expenditures for it were wasteful. The janitor, Leo Garski, stated that "our local locksmith told them not to buy them and then not to install them."

Staff members of the student life division said they were unclear about which

locksmith made such a statement, and explained that the university locksmith has been supportive of the new system.

The new system has been endorsed by numerous institutions across the country, Steiner said, including UW-Eau Claire and UW-White-water.

Students and staff personnel at both of those Wisconsin schools cited their preference for this system over one using locks because:

Students need not carry keys or cards;

Combinations can be changed so quickly;

The system greatly reduces theft because each time the door is closed it locks automatically;

Heavy duty construction has reduced considerable maintenance time;

Assures parents, students and university officials confidence about the students' security;

Frees the residence hall staff from the persistent problem of coping with problems related to students being locked out or having lost their keys.

Steiner said money for the system was allocated in the last fiscal year. The funds are from an account which utilizes dorm room rent revenues. Consequently, no tax dollars are involved.

The original plan of the university was to have the locks installed during the past summer, but Steiner

said that schedule could not be met because of the manner in which local administrators decided to make the purchase.

For better prices, the university sought to purchase parts from two instead of one company. A secondary reason for that was to purchase equipment that would have some compatibility with existing lock equipment in other campus facilities.

Consequently, not all of the parts came at the same time. Much of the equipment has been in storage since earlier in the year. But Steiner said everything should be delivered within a few weeks and readied for next summer's installation.

### Point profs dig for grant funds

Writing proposals for grants has become a popular pursuit at the University of Wisconsin-Stevens Point.

According to a university administrator, about one of every five faculty members has submitted a grant proposal to a federal, state or private funding agency this year.

David Staszak said the efforts have paid off for between 60 and 70 percent of the grant seekers. That success rate far exceeds the national average of 20 to 25 percent.

In the fiscal year that ended on June 30, 1982, the faculty brought about \$1.7 million in extra funding to the institution for a variety of special projects.

Information is still incomplete about the fiscal year that ended this June 30, but Staszak believes the receipts topped the previous year.

In many cases, the grants are awarded to professors to do research or provide special services in areas in which they are specialists.

In some cases, the faculty members do the projects as part of their regular assignments and the money goes for expenses. Occasionally, a faculty member receives payment beyond the regular salary for doing the "overload" assignment. More likely, faculty attempt to do their work in the summertime when they are not under contract and not receiving a salary. Usually the salary they receive for full-time summer work does not exceed two-ninths of their annual salaries.

Staszak speculates that interest in seeking grants may be increasing as a response to the fact that the state is not funding its universities at levels it once did. Ironically, though, that stepped up interest comes at a time when it is getting more difficult to secure federal monies.

Staszak said the effects of Reaganomics are only beginning to be felt now, though lawmakers and the president's administration began

making plans for the cuts more than two years ago.

The dean compares his duties as coordinator of research at UWSP to those of a tax accountant. He serves as an intermediary between local faculty and funding agencies. People come to him with the raw data and he helps put it into form which he believes will be most acceptable to people holding the purse strings. Staszak then helps locate people most likely to fund the projects and to help the faculty obtain support they need for selling their proposals.

There is no reason for interested faculty members not to try grant writing, he contends. Despite cutbacks, there are still billions of dollars available for research projects.

Staszak commends the College of Fine Arts faculty for a significant increase in the number of people writing and their success rate. That area went from no one applying for extramural funding to about nine proposals this year, most of which are being funded.

Staszak began securing federal grants for his campus at Georgia College, Milledgeville, Ga., where he taught before coming to UWSP in 1980. He has worked closely with the Office of Federal Programs in Washington, D.C., and was instrumental in obtaining a computer grant which could be worth a total of \$3 million to UWSP over five years.



Join the crowd at Tricky Dick's Techno-Mart! Computers, recorders, and 18 minutes of unused tape priced to sell immediately. Sorry, no refunds.

### Global programs improving

Plans for development at International Programs include active participation with the Global Studies Committee, chaired this year by Dr. Jim Newman of the College of Natural Resources. Goals include building structures which will allow students to integrate their overseas programs more closely with their professional goals, and to focus their learnings from abroad into a package that will be of value to them as they move into the competitive job situation in an ever more interdependent world.

Improving opportunities for students to maximize their language learning is one of our primary interests, according to Dr. Newman; and a plan to allow graduating transcripts to show that existing majors and minors have been enriched and complemented by an overseas experience is another idea to be explored and developed.

Last year's committee completed an inventory of existing resources; this year's will focus on an action plan.

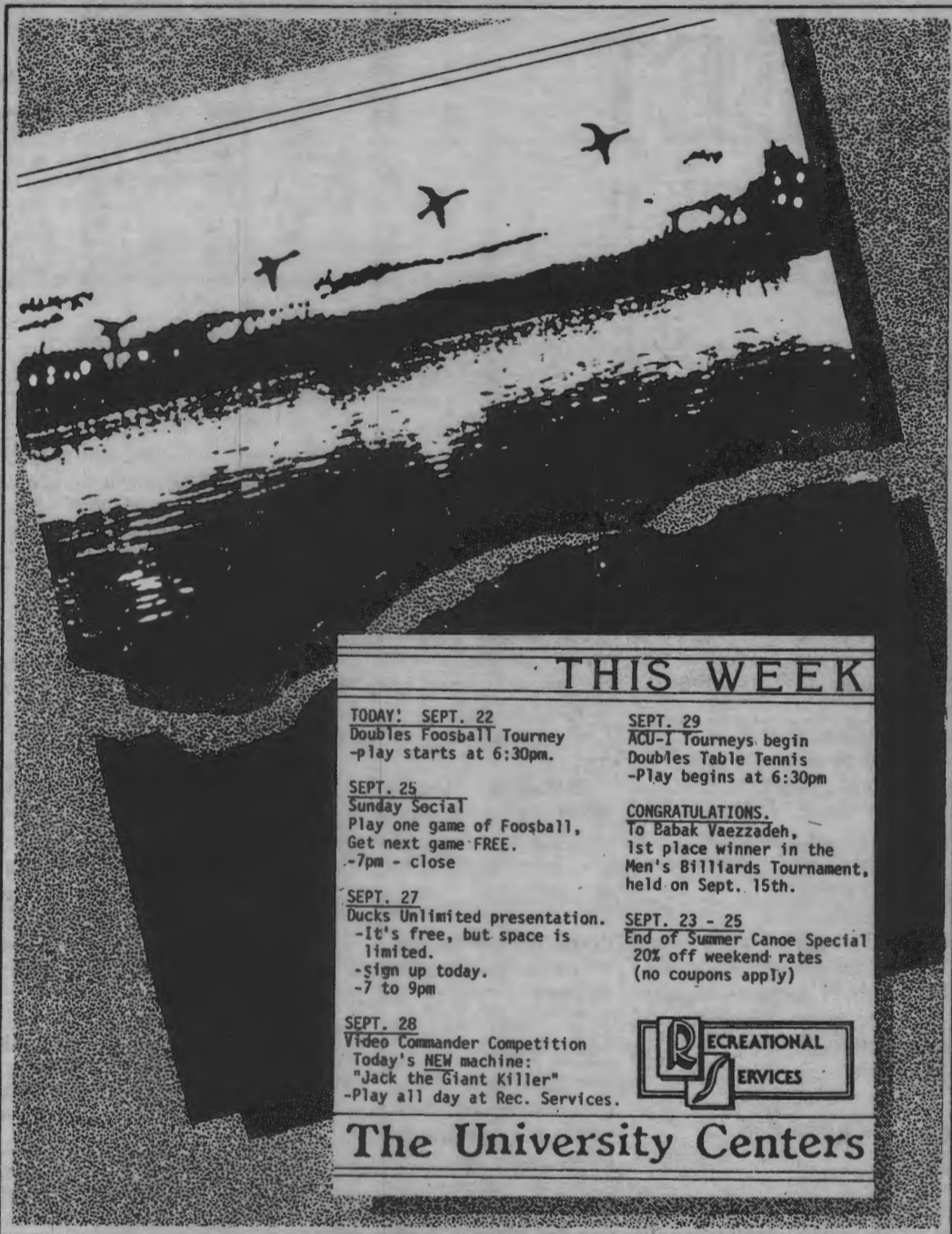
Possibilities exist, according to Dr. Corneli, Director of International Programs, for the existing Semester Abroad structure to be used as a base for a varied set of options: internships, more specialized individual projects, and expanded professional course offerings. Another thrust of the International Programs Office this year is to provide up to three summer trips, and perhaps an interim trip every year to serve students whose schedules and situations do not allow for participation in the full semester abroad program. Dr. Frieda Bridgeman, Summer Coordinator, has details of existing programs and can discuss future plans with interested parties: Call 346-3757 or 346-2411.

#### Non-traditional Student News

At a meeting Sept. 15 at 7 p.m., the Non-traditional Student Association changed from a Steering Committee to regular officers. We are looking forward to being recognized by S.G.A.

The officers are as follows: Co-President, Patricia Ploetz and Jean Gerhard; Co-VP, Bill Harford and John Polich; Co-Sec., Kathy Willkom and Brenda Mead; Co-Treasurer, Donna Hartman and Sharon Wells; Recording Sec., Lou Huckmuth.

Agenda for the next meeting on Sept. 22 at 7 p.m. will be Steve Myers—Budget, S.G.A. recognition (by-laws and constitutional) and reaffirming our goals.



**THIS WEEK**

<p><b>TODAY: SEPT. 22</b> Doubles Foosball Tourney -play starts at 6:30pm.</p> <p><b>SEPT. 25</b> Sunday Social Play one game of Foosball, Get next game FREE. -7pm - close</p> <p><b>SEPT. 27</b> Ducks Unlimited presentation. -It's free, but space is limited. -sign up today. -7 to 9pm</p> <p><b>SEPT. 28</b> Video Commander Competition Today's NEW machine: "Jack the Giant Killer" -Play all day at Rec. Services.</p>	<p><b>SEPT. 29</b> ACU-I Tourneys begin Doubles Table Tennis -Play begins at 6:30pm</p> <p><b>CONGRATULATIONS.</b> To Babak Vaezzadeh, 1st place winner in the Men's Billiards Tournament, held on Sept. 15th.</p> <p><b>SEPT. 23 - 25</b> End of Summer Canoe Special 20% off weekend rates (no coupons apply)</p>
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**RECREATIONAL SERVICES**

**The University Centers**

# mail

## Starving stability

**To Pointer Magazine:**  
As so often happens, experiences that have a great impact on us as children will influence our behavior as adults. Such is the case with PM editor Chris Celichowski who received a large dose of guilt over the world hunger situation from a religious class in grade school. As adults—particularly college educated adults—we should make decisions based on facts; not on fears, propaganda, or emotional intimidation.

World hunger is a big problem, especially for those who are the victims. And yet by supplying these starving masses with unconditional foodstuffs we are injuring them as well as ourselves.

Supporting a population beyond the land's ability to carry that population guarantees generation after generation of starving, crippled people held hostage to the sometimes precarious whims of their benefactors. Such overpopulation also diminishes the amount of other resources and opportunities (already very scarce) available to the individual.

In a world of increasing population and diminishing resources, the producers may find themselves competing with the massive populations that they have created for those items necessary to support an industrial society. Also, overpopulated countries full of hopeless people are more subject to political instability, which does not lend itself to a U.S. loving democracy, but more often to communist dominated puppet states.

Chris Celichowski may assuage his guilt by throwing his money or food at the problem but I prefer the more practical approach of

letting the hungry reach equilibrium with their land.

Sincerely yours,  
William P. Mosiman

## Curb your jugglers

**To Pointer Magazine:**  
The lack of consideration and good sense by the powers that be at this campus have really upset me this past week.

On Tuesday, September 6th, during my one-hour break between a full day of classes, loaded down with books and various other paraphernalia, I headed over to the U.C. to pick up yet another textbook at the bookstore and to take care of a few other errands. As I came around the corner at Portage and Reserve Streets, I found that I could not get into the U.C. through the northwest entrance as is the custom of those coming from that direction. The entire sidewalk area was congested, indeed crammed, with spectators, watching, of all things, JUGGLERS!!! I was forced to walk IN THE STREET to the far southwest door. Boy, was I angry.

If students want to indulge themselves in this sort of frivolity, far be it from me to stop them; however, I suggest to the sponsors of these activities that the jugglers and entertainers et. al. be kept away from the main traffic flow areas. In case no one has noticed, things seem congested enough around here this semester, and we need as much cooperation as possible in order to keep things flowing smoothly.

Why can't jugglers and other entertainment of this genre do their thing out at the Sundial? There's plenty of room out there, and it, too, is centrally located.

Name withheld by request

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# news

71st Assembly race

## Candidates' positions vary on taxes, groundwater

The six candidates for the 71st Assembly seat vacated by David Helbach debated recently at UWSP. Democratic candidates Dorris Cragg, Kim Erzinger, Stan Gruszynski, William Horvath, and Lon Newman face one another in the Oct. 4 primary. Ralph McQueen is running unopposed in the GOP primary, also scheduled for Oct. 4. The general election is slated for Nov. 1. Each candidate's position on taxes and ground water, as stated during the debate, follows:

### Taxes

Candidate Dorris Cragg favors reducing taxes. She said that Wisconsin is known as the "giveaway state" because it provides too much welfare.

"We've gotten used to a deluxe style of living and we've got to cut it," Cragg declared.

She cited the desire of two area business representatives to move out of the state because of higher taxes.

Republican hopeful Ralph McQueen said Gov. Earl's tax increases were excessive. McQueen claimed that



Cragg: stop "giveaway"



Horvath: no ban on 2,4,5-T

last year's revenue shortfall was \$300 million and that Earl "disproportionately raised" taxes \$2.7 billion. He called for the elimination of the 10 percent income tax surcharge.

Stan Gruszynski said that programs should be developed which are new and innovative. He said that the needs of society should be looked at before determination of cutting or developing programs is made.

Kim Erzinger said, "I don't think you are going to get any new taxes." He supports an increase in student tuition of 30 to 31 percent to provide additional revenue.

William Horvath said, "We have a good system of 133 legislators to debate those budget issues." He said that taxes and developing new programs, of which he noted he has been part of with the city tree planting and the county solid waste landfill

programs, is both a budgetary and political process.

Lon Newman said that before existing programs are eliminated, an attempt should be made to make them more cost effective. He said such programs include recycling, Integrated Pest Management (IPM), community options programs and job training and retraining.

### 2,4,5-T and Groundwater

In reference to the use of 2,4,5-T, a very controversial and potentially hazardous herbicide, both Dorris Cragg and Ralph McQueen responded that they were "not familiar" with it.

Kim Erzinger said that to his knowledge 2,4,5-T was not being used in Wisconsin because of a federal ban. He said he supported the local ban of 2,4-D, a compound similar to 2,4,5-T, and would support a ban on 2,4,5-T.

Stan Gruszynski said he would vote to ban any chemical "determined to be harmful to people." However, he said he could see some need to use some of those same chemicals. He said he would support a ban on 2,4,5-T.

William Horvath said a ban on 2,4,5-T was a "dead issue" and that "there was

no use in discussing it."

Lon Newman also said he would support a ban. He reiterated his policy proposal of integrated pest management as a way that farmers can maintain production levels and reduce the amount of agricultural chemicals put on crops. Newman said the program was cost effective and would reduce costs of farming by reducing the amount of pesticides put onto crops.

Newman also advocated expanding the proposed programs of monitoring and compensation for victims of groundwater pollution.

William Horvath said he supports additional funding for prevention of groundwater pollution. He said he would like to see reliable standards set for protecting public health, and additional resources directed toward protecting the district's agricultural base.

Ralph McQueen said that action should be restrained regarding groundwater pollution, and that more research should be gathered. He said a third party should work to determine the health standards for groundwater. "Some people want to push the panic button regarding groundwater pollution," he stated. McQueen also said he would prefer not to provide additional funding for groundwater matters.

## AMERICAN NEWS CAPSULE

THE NEWS THAT WAS

by Joseph Vanden Plas

### International

**Beirut, Lebanon**—The United States bombed Syrian-controlled areas in Lebanon as the Lebanese Christian Army tried to prevent a rebel takeover here.

The U.S. naval bombardment prompted threats of retaliation from Syria.

U.S. Marine spokesman Charles Rowe said the navy shelling was, in part, a response to shelling of the U.S. embassy in Beirut. The attack on the embassy was believed to be the work of Druse Moslems, who are fighting the Lebanese Christians.

### National

**Washington, D.C.**—The Reagan administration asked for Congressional support for the continued presence of U.S. Marines in Lebanon.

The White House said that if Congress insisted on im-

plementing the War Powers Act, it would signal "a weakening of the U.S. position" to Syria.

Eventually, the President and Congress agreed on a compromise that will allow the Marines to stay in Lebanon another 18 months. The compromise restricts the role of the Marines. They are required to remain in the Beirut area but are allowed to protect themselves. This is interpreted to include tactical artillery and air support if necessary.

In other Congressional news, proponents of chemical weapons say they will keep trying to muster support for nerve gas in an upcoming appropriations bill.

**Washington, D.C.**—The International Energy Agency reported that the United States is still too dependent on Persian Gulf oil.

The agency coordinated a nine-state test (including Wisconsin) to determine how

the U.S. would react to an oil cut-off following a possible escalation of the Iran-Iraq war. The study concluded that the Reagan administration's free market policies would turn an oil shortage into an "economic disaster" for the U.S.

The report said the administration would take no regulatory action to reduce oil prices in the event of a shortage. The administration contends that an expected decrease in consumer demand for oil, due to shortage, would result in reduced prices.

### State

**Madison**—Gov. Earl indicated that an estimated \$3.5 to \$5 million saving in health insurance costs would not be used to increase salaries of state union employees.

Earl said the money should be saved in case health care costs rise again next year.

Last week the Pointer Magazine gave the following characterization of Democratic Assembly candidate Stan Gruszynski's position on sexual assault:

"Stan Gruszynski said our primary responsibility is to the victim but 'as citizens we have the responsibility to give sensitive treatment to attackers too.'"

Gruszynski contends News Editor Todd Hotchkiss

quoted him inaccurately, despite Hotchkiss' notes to the contrary.

Gruszynski would like to clarify his position on sexual assault.

"Our first responsibility as a society is to be sensitive and supportive to the victims of violent crime and that certainly includes those that have been sexually assaulted."

ED.

# Robots making presence felt

by Joseph Vanden Plas  
More and more, robotics is becoming an integral part of industry in Wisconsin and the nation.

Milwaukee's A.O. Smith Company has created entrepreneurship within its corporation with a dual purpose: to promote the use of robots within A.O. Smith divisions and to create and provide robotic services to outside companies.

ASEA, a Swedish firm, has opened a robotics plant in New Berlin, Wisconsin. The plant assembles robots and robotic systems for various economic sectors, such as the automobile industry. It is one of "several hundred" robotics plants in the United States, according to The Wisconsin Business Journal.

Still another robotics plant, General Robotics, has settled in Hartford, Wisconsin.

In addition, robots have become an efficient, versatile source of labor. A General Motors plant in Janesville is using robots on its assembly line. For such manufacturing industries, the practical uses of robots are numerous. Because robots are integrated with computers, they can be programmed to perform several functions. A robot can be programmed when to reach, what to lift, where to drill, how far to turn and how long to take. Thus it is easy to see how adaptable robots are for manufacturing purposes.

This is not, however, all heartening news for American labor. The infiltration of "steel collar workers" may

be creating a distasteful side effect—the displacement of unskilled workers. John Schmidt, the head of the Wisconsin AFL-CIO, is keenly aware of this latest wave of automation. "I've gone through American Motors (Kenosha) and General Motors (Janesville) and robots have displaced some people. It's easy (for industry) to put them in and you can produce a better product," he told Pointer Magazine. "Robots result in the loss of assembly jobs."

For a nation having trouble reducing its unemployment rate, the prospect of job displacement is especially troublesome. Schmidt says social outrage may result.

But industry officials disagree. Phil Gottschalk, a public relations man for Janesville's GM plant, says robotics will not lead to "displacement" of people from the work force. "It results in a shifting of semi-skilled workers to skilled workers," Gottschalk asserted. He added that GM has established an apprenticeship program to retrain "journeyman skill people." He said the program, which is financed by the corporation, has retrained people to perform maintenance work on the robots. "We've got more electronics workers in the plant than we've ever had before. We're talking about highly skilled electricians," he said.

Moreover, Gottschalk claims the robots aren't replacing a large number of assembly workers. He said GM in Janesville had a total

of 64 robots programmed either as spot welders or visual inspectors. "They have not replaced that (high) number of people," he declared.

Furthermore, industry officials point out that someone has to build the robots and robotic systems, and thus the emergence of robotics will create jobs. By November of last year, The Wisconsin Business Journal reported that the New Berlin robotics plant employed 185 and that it planned to add 100 workers in 1983. The publication also reported that ASEA had plants in five states (including Wisconsin) that employed 2,500. With hundreds of robotics plants already operating in the U.S., industry's claim is difficult to refute.

Despite this, Schmidt maintains that the U.S. should be taking other steps to make American industry more competitive worldwide. He favors retaliatory tariffs to make American products price competitive. The reasoning here is that if American industry is more competitive there will be little or no need for automation that may cost jobs.

Any attempt to impose sanctions on foreign trade is likely to be met with resistance from industry. It fears that if tariffs are implemented, other nations would reciprocate and an international trade war would occur. Whatever the social or political ramifications of robotics, one thing is certain: it's increasingly becoming ingrained as the latest phase of automation.

## SGA update

# Senate considers renters' rights

By Max Lakritz

Renters' rights to security deposits, Grade Review Committee nominations and the United Council investigation were the highlights of this week's SGA senate meeting.

Tracey Mosley, Vice President of SGA, spoke in behalf of Legislative Affairs on Assembly Bill 555. The bill proposes three regulations which the landlord must follow in the use of a security deposit. First, the amount of a security deposit would not exceed one month's rent and second, that the security deposit be placed in a separate interest-bearing account.

The third proposition requires landlords to return the earned interest on the security deposit to the tenants. A group of ten individuals will travel to Madison on Thursday to take part in an Assembly hearing on the bill. Stevens Point tenants will have an opportunity to learn more about this As-

sembly bill as well as other important topics at a tenant workshop which will be held on October 5 and October 12 in the University Center.

Scott West, President of SGA, entertained an action on the senate floor to nominate three faculty members for positions on the Grade Re-



view Committee. This committee is chaired by Dennis Riley and allows students to list complaints about their grades. Neil Lewis, C.Y. Allen, and Richard Geesey were nominated. West also re-opened nominations for Speaker of the Senate and changed the election date to next Sunday because the constitution was misinter-

preted. Several Senators pulled out of the race. The three hats still in the ring are Sue Higgins, Bob Shannon and Larry Lukasavage.

With the unanimous passage of Fy 4.004, a resolution that supports the "Take Back The Night" rally, the Senate enacted its first piece of legislation.

Vice President Mosley declined to comment on the progress of the committee which is investigating UC President Scott Bentley because of UC's closed meeting policy. The Committee's findings will be presented at the next United Council meeting, which takes place this weekend at the White-water campus. Mosley informed the Senate that unless United Council takes an "upward turn" they should start looking for an "alternative" way to lobby state representatives.

Senator Robert Boyer was absent from Sunday's meeting.

## Recreational Services Sunday Socials

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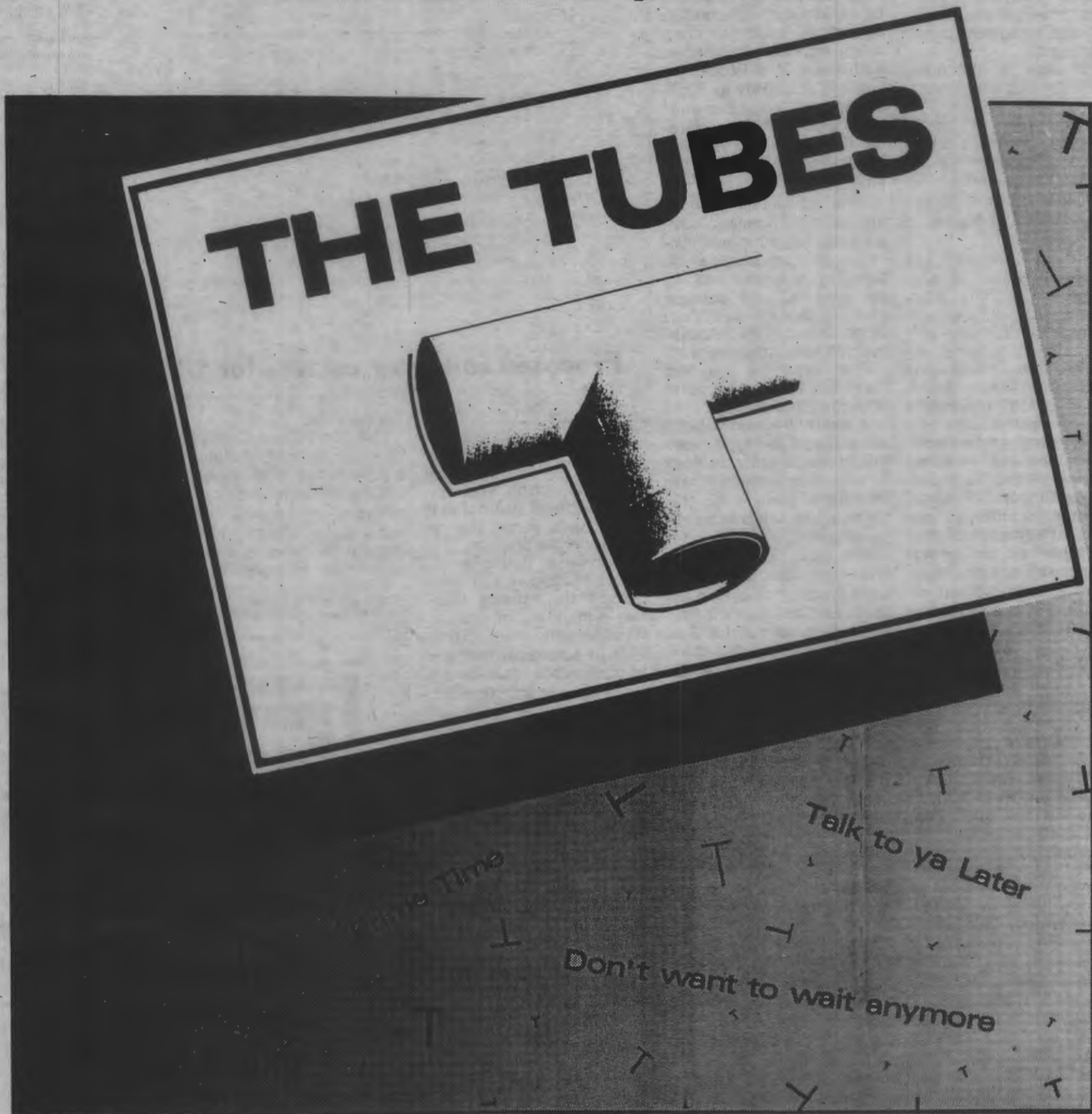
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Course outline

# UW considering computer major for UWSP

By Diane Tisch  
UWSP may be adding a new major to its curriculum. A proposed Computer Information Systems major has been submitted to the UW system for approval.

A final vote on whether to pass the major will be taken in October by the Board of Regents, according to Bruce Staal, chairperson of the math and computer science department.

Staal says he and many others "anticipate approval."

"If the new major is passed by the Board of Regents and approved by our own faculty committee, we will be able to award eligible students with CIS degrees in May," says Staal.

According to the math and computer science faculty committee, Computer Information Systems is an emerging academic discipline with goals, subject matter and problem-solving processes different from other computer disciplines. To understand those differences, it is convenient to divide the computer disciplines into two broad categories: those that educate developers of basic computer technology and those that educate users of that technology. In the former category are the traditional disciplines of computer engineering and computer science; in the latter category is the growing area of computer information systems.

"The program has interesting characteristics," said Staal. "I view computers as a tool not as a concept. The Computer Information Systems program shows exactly how to use computers, not how to design new ones."

CIS programs are primarily concerned with the application of the system development life cycles to applications oriented, computer-based systems, says a report published by the faculty committee. The subject matter includes studies of sys-

tems analysis, systems design and computer programming along with other technical and application areas pertinent to the development, implementation and maintenance of information systems in a variety of organizational settings.

The faculty report indicates the primary objective for Computer Information Systems is "to provide graduates with the knowledge, abilities and attitudes to function effectively as applications programmer-analysts, and with the educational background and desire for lifelong professional settings."

"The curriculum provides the technical-business competencies for entry-level success, for adaptation to changing requirements in the technical and business environments and for advancement in the information processing profession."

Staal says the proposed major has very good support from the Faculty Senate. "It is a costly program but the university of this type needs this major in order to keep up with other campuses." He feels the adoption of this major would be a good recruiting program.

The costs involved include: recruiting new faculty and expanding on equipment facilities. Staal says the program does not require specialized equipment but there will be more demand for the computers UWSP presently has.

The faculty reports that the CIS major consists of two components: a 42 credit computing major and a 21-24 credit collateral minor. The computing major contains three options: (1) business option, (2) data communications option, and (3) technical support option. Each option contains a 24 credit common core, a 6 credit option area and 12 credits of electives. According to the faculty report:

The Common Core focuses

CURRICULAR MODEL			
Proposed CIS Major			
UW-SP Sept. 83			
CORE (24 Credits)			
	Fall	Spring	
Freshmen	Intro to Algorithms Development & Computer Programming	Intro to FORTRAN Programming OR Intro to COBOL Programming	
Sophomore	Advanced FORTRAN (OR) Advanced COBOL Computer Organization & Assembly Language	Software Design & Development	
Junior	Structured Systems Analysis & Design	Technical Writing: Emphasis CIS	
Senior		Applied Software Development Project	
	Business Option (18 Credits)	Data Communications Option (18 Credits)	Technical Support Option (18 Credits)
	Fall	Data Base Program Development	Data Structures
Junior	Spring	Decision Support Systems Elective	Decision Support Systems Elective
	Fall	Elective Elective	Elective Elective
Senior	Spring	Elective Elective	Elective Elective
	Elective List	Elective List	Elective List
	CIS Courses	CIS Courses	CIS Courses (Choose 2)
	Advanced Data Base	Advanced Data Base	Operating Systems
	DP Law	Decision Support Systems	Simulation & Modeling
	EDP Audit & Control	Computer Graphics	Data Base Program Development
	Small Computers in Business	Computer Graphics	Data Communications
	Data Analysis Package	Geographic Information Systems	Computer Graphics
	Data Communications	Simulation & Modeling	Geographic Information Systems
			Artificial Intelligence
			Data Analysis Packages
			Math Courses (Choose 2)
	Math Courses	Math Courses	Discrete Mathematics
	Discrete Mathematics	Discrete Mathematics	Linear Programming
	Linear Programming	Network Models	Network Models
	Network Models		Decision Analysis
	Decision Analysis		Numerical Analysis
	Collateral Minor	Business Administration	Communications
			Approval of Coordinator
			Collateral Mathematics Requirement
			Introductory Calculus
			Probability & Statistics

Proposed computer courses for UWSP students

on skill activities needed through computing and provides the computing language facility and hardware familiarity of both large systems and small systems that will be used during the remainder of the program.

A Business Option is designed to support and complement the existing Business Administration major; Management Information Systems emphasis. Business Administration focuses on the management function, while the CIS major focuses on the computer information function. The CIS Business Option requires the existing Business Administration minor as its collateral minor.

Data Communications Options are designed to support the rapidly growing use of computers in the broad field of communications. It is the expansion and linkage of the computing-communications fields. The program requires the existing Communications minor as its col-

lateral minor. The Technical Support Option is designed to support a broad band of disciplines that need computing and computer information systems as problem-solving tools. It is designed to support most technical disci-

plines as well as to provide base for further study in computing. The program is more mathematical-quantitative than the other two options, and requires a 21 credit collateral minor approved by the Coordinator of Instructional Computing.

## Students need shot in the arm

by Wong Park Fook

Although students have been continually urged to be vaccinated against measles, rubella, and other diseases, a number of them have ignored this advice, according to Dr. Jim Zach, director of the UWSP health center.

Vaccinations for measles were required for all students two years ago. However, there was no enforcement provision and Zach said "some students usually fall through the cracks."

Zach pointed out that such a requirement was difficult to enforce on most campuses because university authorities feared incoming fresh-

men would be driven away. Therefore, vaccinations have been strictly voluntary.


Last spring an outbreak of measles on college campuses in neighboring states had local health authorities worried. At UWSP, some 1,500 students were vaccinated at that time, said Zach, and there was no outbreak on this campus. (An outbreak of measles at UWSP in the spring of 1980 prevented some students from completing their examinations.)

Nevertheless, a recent report stated that as many as 20 percent of today's college students lack adequate protection due to varying state

requirements.

Thus, Zach has a problem. Incoming students have been vaccinated the past two years. But many juniors and seniors haven't been and Zach said he would have to devise a plan to get these students vaccinated before they graduate.

Zach noted that some students are reluctant to get a vaccination but said there was no reason for students to be afraid of an injection needle. He claimed most students could attest to the fact that a shot would not cause as much pain as an insect bite.



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# features

## "Devices"

### Techno art exhibit hardly a collection of marble relics

by Chris Cherek

Music, dance, food, wine, and voice print demonstrations will help mark the opening of *Devices*, the next art exhibit at the Edna Carlsten Gallery on Sunday, September 25, from 1 to 4 p.m.

The exhibit itself is a survey of contemporary sculpture and is funded through grants from the Wisconsin Humanities Committee and the Wisconsin Arts Board. But that doesn't mean it's going to be a collection of recently carved marble statues. This exhibit promises to be something quite different. *Devices* is a collection of sculptures that utilize some area of technology as its material for the sculpture. As a result these sculptures may move, light up, make noise and possibly make you laugh.

To help celebrate the open-

ing of the new show, electronic music will be played continuously in the courtyard. There will also be a performance by UWSP's dance company, Dance Midwest. The idea behind all the activity is to show the public how the various arts have developed around technology and how they use technology as a means to create. On top of the music and dance there will be a voice print demonstration on the balcony above the courtyard. Voice prints are an electronic means for printing your vocal characteristics.

The atmosphere for the exhibit's opening is not formal, and the public is invited.

Although the gallery exhibit runs from Sept. 25 through Oct. 14, there will be several other events on and around

campus that coincide with the theme of *Devices*.

From Sept. 14 through Oct. 14 there is an Industrial Object Display in the lobby of the LRC. This is a collection of items from three local companies, The Worth Company, The Donaldson Company and the Woodward Governor Company, in which their items of work are used as alternate forms of art.

Cork Marcheschi, one of the exhibitors who is known internationally for his use of electricity as art, will be giving a slide presentation on Sept. 21 at 8 p.m. in the Wisconsin Room of the UC. The presentation will feature Cork's work and will be accompanied by his personal selections of blues and jazz music.

Professor Jeff Olen will host a conversation on the

changes in the definition of art. This will be held in the gallery on Sept. 28 at 8:00 p.m.

A neon workshop will be held off campus at A Neon Company, 1909 Minnesota Avenue. The workshop will take place Oct. 3 at 7:00 p.m. in which participants will observe a lecture demonstration on neon as art and then participate in the craft if they desire.

Another performance type event will take place on Oct. 7 at 6:30 p.m. in Michelsen Hall of the Fine Arts Building. Leif Brush will present via-satellite a works in sound concert. The concert will start with a 20-minute video of Leif's work. Following will be a one-hour live via-satellite performance of Leif's music with Dance Midwest accompanying the

music with improvisational dance. After which there will be a live teleconference call to the artist for any and all interested.

On Oct. 10, Professor Nancy Buchanan of UW-Madison will present a sampling of her video works. This will take place from 10 a.m.-12 noon in Rm. 333 of the Communication Arts Center.

And on Oct. 12, Professor Marx Wartofsky, a widely published philosopher, will be discussing the relationship of art, technology and culture. The Boston University Professor will be speaking in the Fine Arts Building at 8:00 p.m. in Michelsen Hall.

The *Devices* exhibit and its related events should prove to be quite entertaining and exemplary of UW-Stevens Point's superb fine arts program.

## Video and computers go hand in hand

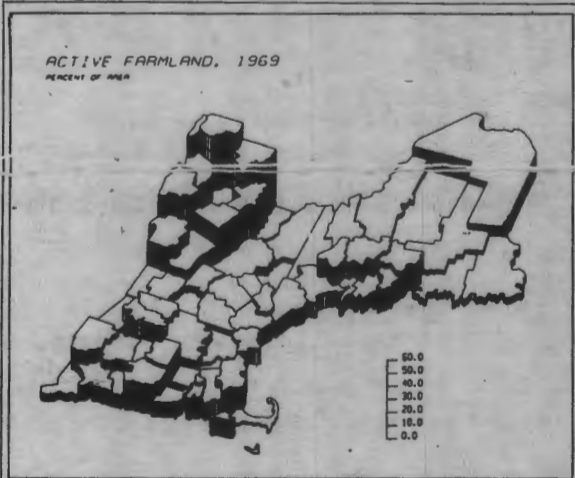
By Stephen Brilowski

Imagine you are traveling across the state. In reaching your destination you may be impeded by a variety of traffic problems. Therefore, you plan for the most efficient and safest route.

You could refer to a road map for this information, or you could refer to a model XQJ38 Graphic Travel Com-

puter graphics course offered to computer science students. Why is a geography instructor so qualified for computer study? About the interrelation between computer graphics and geography, Rice explained, "Suppose a power company wishes for an ideal location for a new generating plant. The company will be restricted to an area designed by public demand, environmental concerns, and availability of resources." The company will

games, the TV, movies, media and even classroom aids that we come into contact with in a single day. All these show the effect of computer graphics. UWSP expects to stay abreast of current advances in the creative field of computer graphics. Keith Rice, UWSP geography professor, is tentatively planning a



An example of computer enhanced graphics

panion. Punch in your coordinates, punch in your destination coordinates and in seconds you are viewing a priority one travel plan, a computer enhanced graphic display of the highway to travel, with emphasis on traffic flow and the time of day travel is safest.

Computer Graphics has entered daily life. Perhaps not to the extent previously illustrated, but can you remember a day in your college career that was not affected by computer graphics. Consider all the video

computer graphics course offered to computer science students.

Why is a geography instructor so qualified for computer study? About the interrelation between computer graphics and geography, Rice explained, "Suppose a power company wishes for an ideal location for a new generating plant. The company will be restricted to an area designed by public demand, environmental concerns, and availability of resources." The company will

Cont. on p. 11

## Living in space: a wild dream of the future?

by Chris Mara

Space colonization is often thought of as a wild dream conjured up by bizarre science fiction writers. It is wrong to look at space colonization as a wild dream, rather it should be looked at as a technological possibility.

Why should we even bother with space when we have enough problems to worry about on Earth? Some facts suggest that space exploration is economically beneficial.

Government spending on space research and development in the 60's boosted the economy by creating new industries, especially those known as "high-tech." Those little \$20 calculators are a result of that research.

Space research and development has brought down the cost of over 3,000 products and services.

But how could space "colonization" benefit the economy? One example would be a lunar mining base. The use of the moon's resources, rather than the Earth's, to help support spacecraft operations, would cut costs by 95 percent. Shielding space stations from solar radiation with lunar dirt would free them from the extra dead weight at launch time.

Extracting oxygen from the moon's soil is another possibility. Lunar soil is rich in ilmenite from which water could be extracted using a hydrogen-powered furnace. The water would be separated into hydrogen and oxygen

by electrolysis. The hydrogen would be used to fuel the furnace and the oxygen would be liquified by cryogenic freezing. The liquid oxygen would be ferried to low Earth orbiting stations by unmanned spacecraft. This liquid oxygen could be used to fuel spacecraft already in orbit. Space shuttles would be freed from the job so they could double or even triple other useful payloads.

The technology exists now to mine materials on the moon and manufacture whole spacecraft in space. This would be much cheaper than using the Earth's limited resources and then having to launch them into space. Large-scale produc-

## Plastic possibilities

### UWSP getting polymer-ized

by Laura Sternweis

"Polymer chemistry is one of the newest areas in the field," said Dr. John Droske, of the chemistry department. It involves the study of polymers, materials that have a chain-like structure made up of large molecules. Animal proteins and plant cellulose are natural polymers, while man-made polymers include plastics, synthetic rubbers and fibers, adhesives, and surface finishes and coatings.

"Polymer chemistry has only been around 40 to 50

years, and it's gradually working its way into school curriculums," Droske continued. It's been in UWSP's curriculum sporadically over the last 10 to 12 years, but it now will be taught every spring semester.

Droske teaches this course, Chemistry 475, a three-credit course designed for junior and senior chemistry majors. "It's a 50-50 mix of theoretical and synthetic aspects," he said. "Applications are included wherever possible."

Droske said that polymer

chemistry consolidates four aspects of chemistry—organic, inorganic, physical and analytical. "It draws on these areas, but at the same time, it's a new area unto itself. These molecules are responsible for a lot of new materials we now have."

Polymer chemistry requires a treatment different from classical chemistry, he continued. "Because the molecules are so much bigger, chemists were making all these new materials before they understood what

cont. on p. 11

# UWSP students enter paper chase

By Jill Fassbinder

Have you ever read a magazine and noticed how shiny the paper is, yet it still allows you to read the article? Of course, everyone has read a magazine, but how many of us have ever wondered, much less noticed, what that shiny glaze was?

Here in Stevens Point several students, along with the help of Dr. Eugene Johnson of the university's Chemistry Department, are looking into it. They are working in a cooperative program with the Consolidated Paper Co. researching various experiments for the company.

The program first originated when Dr. Johnson got in touch with several area industries interested in forming a cooperative program with the university. He wanted to involve the students in a "real life situation" in their field of study in order for them to gain better perspective and experience.

Consolidated Paper Company contacted Dr. Johnson in October of '82 and formed an agreement with him and the Chemistry Dept. Then, in December the necessary equipment was dropped off and the testing began.

Since then, over 60 samples and tests have been run

by students and Dr. Johnson for the Consolidated Paper Co. One such experiment involves the additive Styrene-Butadiene Resin, which gives the glossy appearance on magazine pages. The amount of this element added also determines the stiffness of the paper; so this is no simple mixture. It takes a precise, complex combination to create something that to us may seem irrelevant and simple.

The beneficial aspects of this cooperative program seem to be endless. The university obtains the opportunity to offer a unique and educational experience to some of their students as well as allowing professors to run tests and develop new classroom techniques from the equipment made available to them from the paper company.

It also helps students in terms of their field of studies and in gaining experience that can be reapplied in their future careers.

Consolidated benefits from this cooperative financially. It is quite a bit cheaper for them to employ students to research their problems rather than hiring professionals to do the job. They also can check into a wider

range of areas because of the inexpensiveness of the research done.

All the equipment and supplies used by the chemistry students are supplied by the Consolidated Paper Co. They make available any equipment that students need as well as replace old worn out parts. Each student also receives compensation for the research they've done and the extra time that it takes.

Dr. Johnson supervises and develops the experiments that the students perform; however, they are literally on their own as far as complications and procedures.

In order to work on this project, the students must meet certain requirements. They must have met several chemistry class requirements as well as an instrumental analysis course. It is also primarily offered to chemistry majors.

Dr. Johnson is very enthusiastic about the program and commented, "It is beneficial for us and the school to be involved in a project that they're (the students) gonna see out in the world. It gives the students real problems and complications that forces them to use their imaginations to fix."

## Polymers, cont.

the heck they were doing. Theory has had to catch up.

"Polymer chemistry is more materials oriented, primarily synthetic (or man-made) materials," Droske added. "The applications of it are extremely broad." Industry did a lot of the early work with polymers, he said. Chemists are now trying to predict their properties.

Droske said the chemistry department may expand to include two polymer chemistry courses, but that it's a hard thing to predict. The study of polymers may be incorporated into other courses already offered, he said.

How useful is knowledge of polymers to chemistry students? "At least 50 percent of all chemists work in the field of polymer chemistry," Droske said. "Knowledge of polymers is extremely beneficial to students; certainly for those going into industry, but also for those going to graduate school. If you have formal polymer training on the doctorate level, you are guaranteed a job. Knowledge of polymers is definitely not a hindrance."

However, few schools currently offer formal polymer

training. "In general, polymer chemistry is just beginning to get a hold in chemistry curriculums," Droske said. "Most students with polymer training end up in industry. There's a strong industrial demand for it."

Before Droske joined the UWSP chemistry department, he'd been doing research with polymers at Colorado State University in Fort Collins, CO, and at NASA-Lewis Research Center in Cleveland, OH. "That's where NASA designs rocket engines and booster rockets," he said.

Droske worked with high-temperature polymers. "These types of materials can withstand heats of up to 300 degrees Centigrade," he said. (For comparison, 316 degrees C is equivalent to 600 degrees Fahrenheit.) "You could put these materials in an oven at full blast for more than two months, and they'd look identical to what they looked like when you first put them in."

Droske's research is geared toward the development of a processable polymer. "The difficulty was that the high-temperature polymers don't melt," he

said. "You process material by melting it. You can then shape and mold it. These polymers will decompose before they melt."

Droske did develop a processable polymer. However, the material worked better in theory than in actual application. "We had to re-orient our thinking at this point," he said.

"I think you have to distinguish between science and technology," Droske said. "Science is the understanding, while technology is the skill in developing the material."

"You start with science, venture into technology, and end up venturing back to science," he said. "The necessary technology is there, but the theory doesn't tell us where to go. You have to re-align theory. When you make the material that should have been the best and it doesn't work, you have to go back to the drawing board."

The technological approach to a problem differs from the scientific approach, Droske said. "If something goes wrong, the engineer will try to make it work. The chemist will try to make a new polymer."

## Space, cont.

tion is relatively easy in space. There is no gravity, vacuums are easily produced and there is cheap, constant energy from the sun.

Solar energy collecting stations could be built and put into orbit. The energy collected would be beamed down through microwaves to receiving stations on Earth. This process is already being

experimented with. They would be cheaper to implement than building nuclear power plants for electricity, not to mention the environmental costs and risks of nu-

## Video, cont.

consult a geographer to collect the data necessary for a company decision on plant location.



According to Rice, "Computer graphics will aid the decision, by superimposing the variables." He added, "The computer will be programmed to give the best results in priority fashion." The company will then be handed the geographer's

computer graphic map.

Rice views computer graphics as "nothing more than the science and art of constructing visual display enhanced by computer instructions."

Next semester's computer graphics class will be limited to 15 students. Students should be experienced in Basic and Fortran. Rice expects the class to grow.


Cont. on p. 23


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Cont. on p. 23

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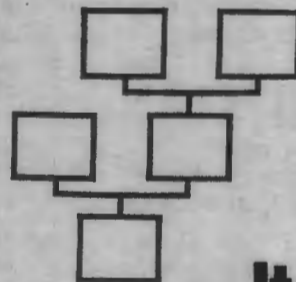
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# A . C . U . I T O U R N A M E N T S

## DOUBLES TABLE TENNIS

Thurs., Sept. 29 (mixed or otherwise)

Entrants must be full time students at UWSP with a cumulative G.P.A. of 2.0 or better.

## DARTS 301

Thurs., Oct. 13

First place winners in each event will receive an expense paid trip to UW—Whitewater to represent UWSP at the ACU—I Regional Tournament.

## DOUBLES FOOSBALL

Thurs., Oct. 20 (mixed or otherwise)

Rules and sign-up available until noon the day of the event.

## BACKGAMMON

Tues., Oct. 25

Entrance fee is \$1.

## MEN'S BILLIARDS

Thurs., Oct. 27 (single's competition)

Sign up at:



346-3848

## CHESS

Tues., Nov. 1

## WOMEN'S BILLIARDS

Thurs., Nov. 3 (single's competition)



## WOMEN'S TABLE TENNIS

Tues., Nov. 8

## MEN'S TABLE TENNIS

Thurs., Nov. 10

All competitions begin at 6:30pm.

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# TECHNOPHOBIA HAS

by Bruce Assardo

Technophobia...the fear of technology is perhaps one of the biggest enemies of that dandy little machine, the computer. But it appears there will be more handshaking than fist shaking with Time magazine's Man-of-the-Year as the video game generation gets older and more computer-sophisticated.

Efforts on the part of the computer companies are trying to accomplish this with more "user friendly" keyboards and terminology. Names like "Apple" and "Personal Computer" make these machines easier to digest and more comforting.

But what's happening here at the University of Wisconsin-Stevens Point? If you were to look for places on campus that are presently or are about to utilize some form of computer, you'd spend a lot of time and shoe leather (or whatever they're using these days) walking from one building to another.

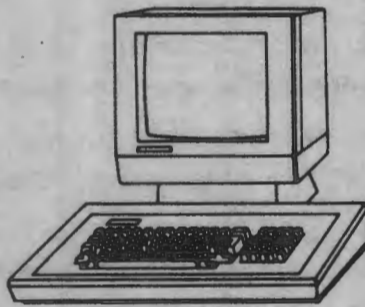
In the basement of the Student Services Building there is the source of most of the university's computer activities. This big computer mainframe is a two-year resident of UWSP. It's the Burroughs 6900 and contains programs used by both academic and administrative departments on campus.

Just a room away from the mainframe is Fred Hilpert, the Director of Institutional Studies. Looking up from a printout, he talked briefly about the history of computers here. He said the campus began with a small IBM computer in the 1970's, but soon moved to a larger system because the IBM was too small and became outdated. That's when they made the move to the Burroughs system.

Hilpert said one of the main reasons the university decided to stay with Bur-

roughs was because their programs had been written for that system even though they're written in a specific computer language. "It makes it difficult for those programs to run on a different computer," Hilpert said. "What it amounts to is if you change major manufacturers, you have a substantial cost in converting programs over to that other system. You have some problems even when you change from computer to computer within a system."

Most of that cost comes from the personnel changes that have to be made. Companies tend to hire an entirely new staff when a new system is installed.



According to Hilpert, anyone can gain access to the "main" through the telephone with the use of a portable terminal and a modem. Presently there are 16 "deckwriter" hard copy terminals on campus and are primarily used for student training. They used to be spread out to different buildings on campus, but a few weeks ago were consolidated into the basement of the Student Services Building.

Hilpert said the move was to accommodate students so they would not have to go from building to building looking for an empty terminal. Plus there is always someone there to iron out any problems which may arise.

Hilpert's having a hard time predicting the future "primarily because of the impact of the small computer." Hilpert continued to say everything used to be based on the mainframe, but he said "what used to be done on the big computers is now done on somebody's desk for less money."

"In the future," Hilpert said, "we hope to have a terminal on each department chair's desk...to give them access to the Burroughs." Right now, most of the departmental computers are smaller word processors.

These departmental computers will give more of the students' background information to the Dean's and department Chairs. This will make advising an easier task. But the biggest advancement will be with word processing. Better quality paperwork and higher productivity will result from word processing not to mention the reduction in clerical costs which prevent many things from happening. Basically departments will produce a better product for less money.

### Computer Scenarios

On the third floor of the CNR, Robert Miller demonstrates how some departments use computers more than others. Miller has incorporated the university's computing system into his Urban Forestry curriculum. Working with the now retired William Sylvester and a former graduate student, Miller developed two programs which he has been using in his Urban Forestry Management class.

The first program is a tree inventory program to help keep a city's trees. "Trees aren't intended to grow in the harsh environment of a city street," Miller said, "thus they require expensive maintenance...A street tree must be planted, pruned frequently, kept free of insect and disease problems, and ultimately removed through a maze of utility lines, houses and curious bystanders." Miller continued, "Although foresters in the woods have been relying on the computer for over a decade, the urban forester is just now beginning to seek management assistance from the data processing specialist."

The other program Miller teaches in his management classes is an urban forest simulation. This program, according to Miller, is "designed to allow the program user to determine the long-term impact of key management decisions."

The program takes a hypothetical city and grows a set number of trees over a per-

iod of time and summarizes the associated costs and then calculates the trees' value. The student is responsible for maintaining the trees through a course of randomly selected events such as heavy wind, an ice-storm, disease and drought. The program even includes budget cuts which the student must take into account on a moment's notice. At the end of the term, the computer assesses what has happened and evaluates the decisions made by the student.

Miller said the students

**More than a Resume**  
Moving to the University Center into the Student Life Activities area, the main computer activity is with a project called the Total Involvement Educational System, or T.I.E.S. This will eventually produce an involvement record to complement a graduate's resume and transcript.

Right now the software is still being written for T.I.E.S. in the SLAP office in the lower level of the UC. Under the director and project coordinator Cindy Chel-

## War games of the conscience

by Bruce Assardo

"I like to draw an analogy to a lock on a door. The implication is that you shouldn't go through it without someone's permission."

Robert Morris of the University's math and computer science department has no trouble speaking his mind when it comes to computer raiding or hacking. To Morris it's plain unethical.

Referring to hackers like Neal Patrick whose antics with Milwaukee's "414's" got them into the national spotlight and the FBI's clutches, Morris said "All they're getting is technical training—no ethical training."

Morris admitted Patrick and his cronies weren't interested in it just to learn about computers and they wanted to trade information with each other. "The Neal Patricks are doing it for a kick, a challenge, for fun." The problem is, for others it's for some gain.

And it's hurting industry. "Once you're in the system," said Morris, "the system doesn't know you're illegal...if you prove you are you can do anything."

Morris went on to say that security systems are beaten faster than the companies can come up with new ones. He said businesses are going to have to invest a lot of money to protect themselves.

Some methods already in use include monitoring each call and having the computer hang up until access is ap-

proved. This is difficult because much of the crime is from within the company and those people must have access.

Morris said punishments should fit the crime. "If someone kills somebody by



Robert Morris

telling a life-support system to shut a patient down with a computer—he should be tried for murder." He thinks accessing a computer illegally should be a misdemeanor.

According to Morris only one student on campus is known to have broken into the University's secret memories. Morris said the student was threatened with being expelled and he quit hacking.

Morris wants computer classes to include units on ethics in all levels of education from grade school through college. He said "We are a society of people, not machines. People dictate our lives, machines don't."

are reluctant at first, but he added their responses are much more favorable once they get used to the idea of working with the computer.

Miller began using this program in 1978 and since then many other campuses across the country have shown an interest in the software. According to Miller, University Foundation grants made the project possible in the first place.

cun, several pilot programs have been run already just to find out more of what the students want from this type of project.

John Jury, the director of SLAP, said each time a program has been run, they've learned more about the students' expectations. They will run another pilot program in a residence hall this spring.

"T.I.E.S. is an information

## Computer Lingo

**DATABASE** a set of instructions or programs which access data or information from the banks.

**DISC DRIVE** a mass storage device used to hold large quantities of information...on a floppy disc for example.

**FLOPPY** refers to a type of flexible disc used for programs or data. Used mainly in micro-computers.

**HARDWARE** the nuts and bolts of the computer. The tangible parts like the keyboard, the screen and the electronics.

**MAINFRAME** the large central computer which has terminals, micros, disc drives, or printers electronically attached to it.

**MICRO** a very small com-

puter of carrying or desktop size used mainly in homes and offices and run on disc drive or cassette tape.

**MODEM** a little black box used to connect a terminal to telephone lines and from the telephone lines to the computer. It translates the electronic signal into a form the telephone lines will accept and transmit.

**SOFTWARE** programs or sets of instructions to run the computer.

**SPREADSHEET** a program which is used by people working with financial analyses.

**WORD PROCESSING** a program to assist people in writing. It facilitates entry, editing and printing papers.

# NO PLACE AT UWSP

system," said Jury. "It's a way of allowing students to be self-directed in finding all the experiences available outside the classroom and it's a way to find where all the skills are they want to develop and how to develop them."

Jury spoke of another self-directed program called SIGI already running the campus' counseling center. This program helps students match their values to appropriate careers.

In the meantime, T.I.E.S. serves only as an information system for students to learn how to guide themselves toward the experiences which will channel their energies into the right areas.

In two years or so, it will produce a "non-academic transcript" which, according to Jury, "will list all the experiences a student will have had as a result of the skills the student has associated with...It will be verified by whoever is responsible for running that particular program."

This is just the type of program the university's Career Services office likes to hear about. They estimate once T.I.E.S. is in effect, UWSP students will have a ten to 15 percent advantage once they enter the job market.

Through T.I.E.S., Jury wants the students to "articulate what they've learned in 'career language.'" These "Complementary Educational Experiences" cover athletics, officers of organizations, performing arts, volunteers in the community, on- and off-campus employment and internships.

T.I.E.S. director Chelcun's goal is to make T.I.E.S. complete and credible for both the students and potential employers. Eventually T.I.E.S. will have job descriptions programmed into it so supervisors will know what to expect from their student employees. This will serve the double purpose of assuring employers the students did what they said they did.

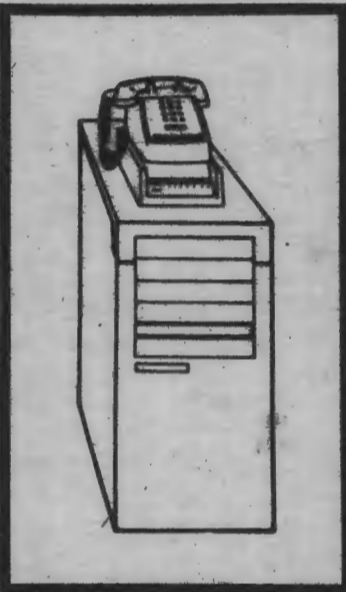
The main component of T.I.E.S. is to help students make important decisions in their extracurricular activities. Said Jury, "It's about where I'm going in my career, how I'm going to get there and what is the information I need to make those decisions."

T.I.E.S. is separated from the rest of the university's computer system in that it is not a part of the academic or administrative areas; it's a part of Student Life which gets most of its funding from student fees.

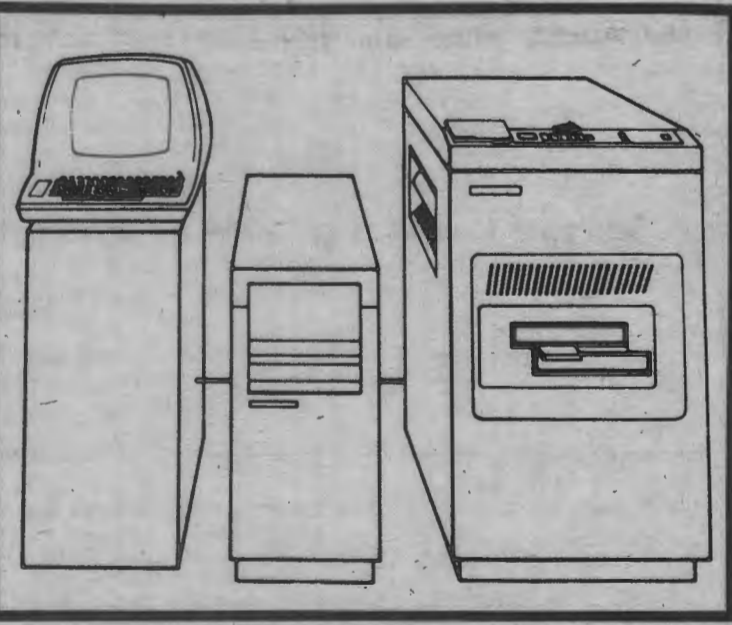
Student Life's Business Operations office is located

in the basement of Delzell Hall on the campus' east side. While they have access to the Burroughs mainframe, they are responsible for different areas which include athletics, student activities, the University, DeBot, and Allen Centers and Housing in general.

Their main work is done with IBM's Visicalc spreadsheet to do financial analyses and payroll. Assistant Director of S.L.B.O. Duane Wesenberg coordinates much of Student Life's computer operations. His goal is to get his whole area automated within the next five years. Wesenberg sees lots of potential giving everyone from the residence halls to each center a computer link.



Wesenberg says "computer rooming" is in the works. With the ability to analyze their housing information more thoroughly, Wesenberg said, "we can improve the living environment for the students." The



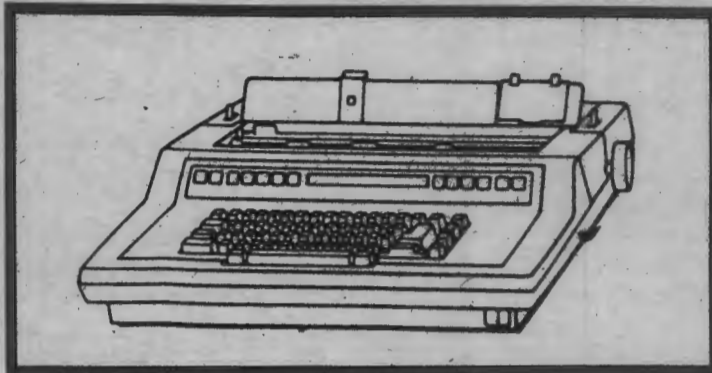
computer would be able to match personalities, tastes, likes and dislikes better so more compatible roommates can be paired off.

Another area their IBM Personal Computer will be able to help Student Life in

is interior design with the

"Computer Aided Design" software. Planning more efficient rooms in both the residence halls and in offices will add to the overall effectiveness of computerization.

But the main area Wesenberg wants to improve upon is with Word Processing. He wants to set up a system like the one at Harvard University with terminals in every



hall. Wesenberg said they would eliminate Harvard's two dollar user fee and take it out of the students' segregated fees which are paid out of tuition.

Wesenberg said Stevens Point is a very progressive school in its adoption of computers. "Making assessments of our needs, deciding what applications computers can perform and training staff in computer literacy is essential," said Wesenberg. "If we do this properly, when we become of age we will be prepared and headed in the right direction."

Wesenberg continued to say the students will benefit the most from this, but in order for it to work, each component of the system must communicate effectively. He said this is a major factor in why computerization takes so much time.

Wesenberg concluded by saying Stevens Point is "progressive in the sense we're eager to learn and not afraid to use the technology available to us."

**A One in a Million Shot**  
Over in Old Main, Dean of Graduate Studies David

Staszak looks at his desk calendar which is telling him a year has almost gone by and a new one is about to begin. It was a year ago last October 1st that the university saw the light at the end of the tunnel in their quest for computerization.

After years of planning, anxiety and a 200-page grant application, the university

submitted their plan for a Title III grant from the United States Department of Education, Division of Institutional Aid. That's quite a title for quite a grant. For five years, UWSP will receive nearly \$300,000 to \$400,000 a year for computerization.

Dean Staszak said it was a long shot; he had the task of proving to the Department of Education that the university needed the computer system and that the university could not afford it. The chances of getting the grant were less than five percent according to Staszak. He continued to say one of the keys to their success in getting the grant was due to Chancellor Marshall's commitment to the project. "The reason it got off," said Staszak, "was because of the Chancellor...Stevens Point is the only state school to get this grant."

The highest amount that can be requested is \$800,000 a year and up to seven years project length. Staszak said no one gets that much money. The grant will not cover projects that would have been completed anyway. Staszak, who was released from some of his Graduate Dean duties to work on this application, said the university proposed 12 separate computer-based activities; some the government liked, others they did not.

The first phase, which began last October, included week-long basic computer literacy training courses for faculty and staff. It was to get as many employees as possible familiar with computers.

The \$165,000 allocated for phase one allowed the foundation for a Network Support Facility which will eventually link all these computer activities together. For ex-

ample, the LRC's automated card-catalogue, which is not that far off, could be called up on a terminal in one of the residence halls. Staszak said portions of each year's allocation will go to buy more equipment for the mainframe.

Phase two of the Title III will continue both the computer literacy course as well as the Network Support Process. Another aspect of it will make life a little easier for students and the registrar's office...on-line automated registration. Students would register at the end of the semester as they do now, but under the new system, they would receive a computer printout with their schedule and billing immediately.

While the value of this is immeasurable to students, it will make curriculum planning decisions much easier. Staszak said many class scheduling decisions are based on assumptions, "there is a high demand in one class which creates an artificial demand in another because some students take another class when the one they wanted was full."

**Computer Clusters**  
Computer clusters all over campus. Staszak wants to set up work stations where students would have access to terminals at various locations on campus for Word Processing and Computer Graphics among other things. Staszak said they should have an agreement with a vendor for 50 microcomputers to "drop" around campus. Right now he's looking for a good deal and possible donations.

The last three phases of the Title III grant will see the completion of these projects. The university will have to start matching funds beginning in October of 1984. The third phase calls for a ten percent match, the following year, 20 percent, and in 1986, the last year, a 30 percent match is required.

By then Staszak expects "we should have a lot more hardware and an upgraded mainframe." He mentioned Stevens Point is one of the top schools in the nation in terms of computerization.

Staszak demonstrated, just as Wesenberg earlier, that learning is the key to understanding and making the best use of computers. Staszak said, "There will be no excuse to not knowing how to use a computer with what we're getting here."

Technophobia can be cured with familiarization and by confronting our fears head on, we can realize technology isn't there to harm us, but to give our lives better quality.

# 1ST ANNUAL UWSP FALL TRIATHALON October 9, 1983

EVENTS

3 mi. Run  
9 mi. Bike  
Obstacle course

DIVISIONS

Coed - any combination of three  
Hall Representative (still coed)  
Faculty/Staff - coed

LIMITED TO 1ST 100 TEAMS

REGISTRATION TO BEGIN SEPTEMBER 14, 1983  
IN THE CONCOURSE

COST: \$4 per person

T-SHIRTS TO BE AWARDED TO ALL PARTICIPANTS

PRIZES

TOP THREE COED TEAMS

TOP THREE FACULTY/STAFF TEAMS

TOP HALL REPRESENTATIVE

GENERAL RULES:

1. No alcohol or drugs may be used.
2. Course officials have the authority to disqualify a participant if rules are violated.
3. No aerodynamic bicycles or drafting of another bicycle is allowed.
4. During the run, no form of locomotion other than walking, running, or crawling is allowed.
5. No support crews, pacing runners, bicycles or other vehicles allowed on the running course.
6. Cyclists and runners must follow all traffic rules and laws unless otherwise directed by race officials.
7. Race numbers must be worn for each segment of the event.
8. UWSP and the triathlon committee is not responsible for lost or stolen property at the race site.
9. Event to be held rain or shine.

**Entry Deadline is Oct. 7 at 5:00 p.m. Sign up in Concourse or Delzell, Health Center.**

NAMES \_\_\_\_\_ NO. \_\_\_\_\_

DIVISION:

\_\_\_\_ Coed  
\_\_\_\_ Hall \*\*  
\_\_\_\_ Faculty/Staff

\*\* Each hall will be limited to 3 teams for representation based on a first come, first serve basis. The team must be coed. Students in Pray-Sims and Neale may join with one other hall for this competition.



# sports

## Conference opener

# Pointers dropped in slop

By Bill Laste

The Pointer football team could do little more than spin their wheels in the mud Saturday, and the result was a 27-7 loss to the Platteville Pioneers at Platteville.

The weather proved to be almost as tough an opponent as the Pioneers were when a driving thunderstorm forced officials to halt play for 35 minutes in the second quarter. Pointer coach DJ LeRoy, however, isn't sure he would have handled the storm situation the same way.

"I didn't like it. They (the officials) handled it poorly simply because when we went in, the weather was better than when we came back out."

Nevertheless, one play after play resumed, the Pointers found themselves on the tail end of a 21-7 game. So a lot of their problems came before the bulk of the storm even hit.

Platteville got rolling on their first possession when quarterback Fred Partlo hit Steve Lindauer for a gain of 10. Partlo then scrambled for 16 yards and a few plays later hit Gary Pronschinske for a 13-yard gain. A 15-yard pass to Jeff Dower put the ball on the one-yard line and Partlo dove in from there to give the Pioneers a 7-0 lead.

The Pointers came back with a drive of their own. On a 2nd and 17 play deep in their own territory, quarterback Dave Geissler passed to Mike Christman for a gain of 15 yards. Mike Gaab picked up the first down on a draw play that gained 12 yards. Geissler then completed a 19-yard pass to Tim Lau to give the Pointers another first down. A 26-yard pass to Curt Thompson put the ball on the 13 and a pass interference call gave the Pointers a first down on the one-yard line. Gaab ran for the tying score from there.

The ensuing kickoff, however, was returned by Pioneer Gary Scherkenbach to the Pointer 47-yard line and the Pioneers were in excellent position to grab the lead back. However, a tough defense spearheaded by Dennis Lane and Ron Leston thwarted the Pioneer drive on a fourth down play.

After exchanging punts, the Pointers got the ball in good field position near midfield. However, Mike Gaab fumbled the ball and Platteville recovered at the 50-yard line.

The Pioneers capitalized on the error and drove the ball downfield to the 19-yard line, where Partlo connected with Pronschinske at the one-yard line. Partlo finished

the drive with another one-yard touchdown run and the Pioneers had a 14-7 lead.

On the Pointers' second play of their next possession, Harley Melbye picked off a Dave Geissler pass and returned it to the Pointer three-yard line.

But the next play was the weather's and the rains put the imminent Platteville touchdown on hold. Thirty-five minutes later the teams returned to a field that was described by several observers as "just a mess."

Immediately following the rain delay, Gary Pronschinske ran for a touchdown that put the Pioneers on top 21-7.

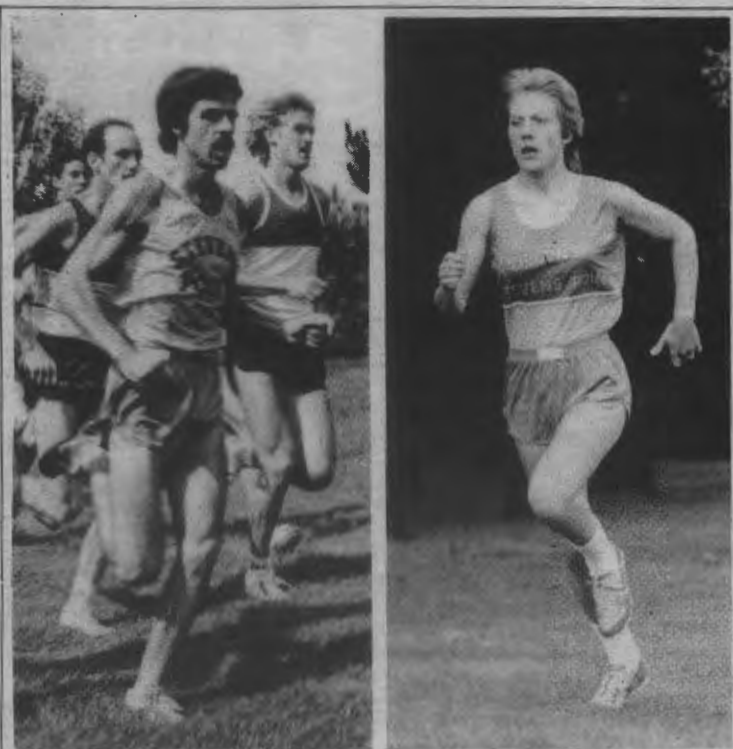
The field conditions and Pointer turnovers helped keep the Pointers scoreless in the 2nd half. And the Platteville offense was pretty much stuck in the mud too.

Platteville finished off the game's scoring with a 53-yard interception return for a touchdown by Tim Weichmann in the fourth quarter.

LeRoy saw the weather as a major factor in the game.

"I think the weather had a lot to do with the loss. In many cases it caused some of our errors. You can't believe how miserable it was to play in."

cont. on p. 18



Lou Agnew

Cindy Gallagher

## No place like home for Pointer runners

SID—The home course proved to be an advantage for the UWSP men's cross country team Saturday as the Pointers easily won the Point Invitational which was held at the Stevens Point Country Club.

The Pointers placed seven runners in the top 20 places to win the eight-team meet with 32 points. Rounding out the top five finishes were UW-Parkside, 59; UW-Stout, 85; Northern Michigan, 105; and UW-Oshkosh, 137. The Pointer junior varsity team placed seventh in the meet with a score of 230.

Lou Agnew, a senior standout from Greenfield, was the individual winner for the Pointers as he toured the 8,000 meter course in 25:00.

Chris Celichowski finished fifth with a time of 25:23 while teammates Jim Kowalczyk and Arnie Schraeder were sixth and seventh, respectively, with times of 25:25 and 25:27. Don Reiter concluded the scoring for Point with a 13th place effort and a time of 25:59.

Leading the Point junior varsity were Fred Hohensee and Mark Peterson with 27th and 36th place finishes.

Pointer coach Rick Witt was pleased with the win but was not happy with the gap between the top four runners and the rest of the pack.

"I am very happy with the win as we had four men run extremely well, but I am still not pleased with the gap between our top four and our next six men," Witt acknowledged. "The top four men have carried us and if we are to achieve the goal I

know this team wants to reach we have to close down our gap time.

"Overall, I feel that we ran extremely smart in this race. Lou Agnew really took charge at about two miles. I feel that he has really turned into the leader that we were looking for."

"We are getting good efforts, but not results, from people like Reiter, Kevin Seay, Dennis Kotcon and Steve Brilowski, and we just have to get a little tougher mentally and we will be there. Seay and Reiter were with our pack until late in the race and then they just ran out of gas."

Witt named Kowalczyk as the Pointer runner of the week and commented on his effort.

"Jim ran a very smart race and is now giving us the depth that we need in order to have a tough team. He is getting strong and more confident each week, Witt concluded.

The Pointers' next meet is the River Falls Invitational which will be held in River Falls on Saturday, Sept. 24.

SID—The UWSP women's cross country team tied for second in a six-team invitational at the Stevens Point Country Club Saturday.

UW-Oshkosh won the meet with 28 points, followed by the Pointers and UW-Parkside with 53 points each, UW-Stout with 105, Northern Michigan 132, while UW-Green Bay failed to enter a complete team.

Cindy Gallagher took first

cont. on p. 10

## Spikers lose 4 of 5 in tourney

SID—It was a learning experience for the young UWSP women's volleyball team here this weekend as it dropped four of five matches against heavyweight competition in the Milwaukee Invitational.

The Pointers opened play by defeating Lakeland College by scores of 15-7 and 15-2 before losing four straight matches. UWSP fell to Elmhurst, 7-15, 12-15; DePaul, 10-15, 18-20; Lake Superior State, 12-15, 2-15; and Western Illinois, 2-15, 14-16.

Point coach Nancy Schoen did see some bright spots in the otherwise dismal weekend for her team.

"We were able to see everyone play as we changed lineups to find the right combination," Schoen said. "We found our weaknesses as we met with the Division I schools DePaul and Western Illinois. We need to adjust our defense to compensate for our ineffective blocking and inconsistent play which

we had against DePaul and Western Illinois where we had too many errors."

The statistics show that Schoen was correct as the Pointers committed 16 passing and 12 position errors against DePaul and were guilty of 17 blocking and 18 passing mistakes against Western. Sally Heiring and Dawn Hey scored six points apiece for UWSP versus DePaul while Hey had eight markers against Western.

Against Elmhurst, Carol Larson, led the Point women with five points while Jackie Haydock had two kill blocks. However, UWSP was guilty of 23 total miscues.

The Point women also committed 21 errors in the loss to Lake Superior State. Hey served seven points while Lisa Tonn had 11 kills to lead in the spiking department.

In the win over Lakeland Karla Miller led Point by serving 11 points while Lar-

son chipped in nine. Hey led all spikers with seven kills.

"We had some impressive plays and the potential is there," Schoen remarked in evaluating her team. "We had good performances by Dawn Hey, who served very well and had many kill spikes, and sophomore Lisa Tonn, who had an excellent match against Lake Superior State as she put 11 hits to the floor. Ruth Donner came off the bench and played very consistently as did Jackie Haydock in the blocking department."

Carol Larson played very consistently all weekend and was our stabilizing force on the court. Overall, we learned just how far we need to go."

The Pointers will play their first home match of the season on Wednesday, Sept. 21, when they host UW-Whitewater and UW-River Falls beginning at 5:15 p.m. in the Berg Gym.

### Football, cont.

"The field conditions eliminated our long and middle passing games so their defense could come up and play the short zones. They knew that short passes were all we could throw.

"And I wasn't happy with the play of the offensive line. I think it improved some because the penalties weren't as numerous as they were last week. But they still have a long way to go."

While LeRoy wasn't tickled with the play of the offense, he was satisfied with the defensive play.

"The defense played good enough to win. It was the turnovers that cost us the game.

"And I was very pleased with the play of (linebacker) Ron Leston. He led the defense in tackles and just did a super job."

Despite the loss, LeRoy still expects a lot out of his squad.

"We have some adjustments to make but I'm still very optimistic about the season. We just have to shake this one off and get ready for the next one."

The next one is in DePere against St. Norbert and LeRoy sees another tough

game for his 1-1 Pointers.

"They have a very explosive offense this year and that's a real change for them. Usually their offense hampers them." They're always touch defensively. They go from a 5-2 defense to a 6-1 to a 6-2 a long with a lot of different coverages in the backfield. They're very good fundamentally. If we make mistakes they'll turn them into points."

**SID**—Tim Lau of Wausau, Ron Leston of Bensonville, Ill., and Jaime Maliszewski of Milwaukee have been selected as the University of Wisconsin-Stevens Point football players of the week for their efforts in the Pointers' 27-7 loss to UW-Platteville last Saturday.

Lau, a split end, was selected to receive the offensive award while the defensive honor went to Leston. Maliszewski is the special teams honoree.

Junior defensive tackle Dennis Lane suffered strained ligaments in his knee during the Platteville game. Lane, last week's defensive player of the week, is expected to return to action in three weeks.

### Home court helps

## Netters pick up first win

The UWSP women's team found the home court surroundings much to its liking as it defeated UW-Oshkosh 5-4 in a dual match in the Quandt Fieldhouse Monday afternoon.

The match was the first home contest of the year for UW-SP and it was also the first victory for the squad. The Lady Pointers, now 1-2 for the season, will be home again on Wednesday, Sept. 21, when they host UW-Stout in a 3:30 p.m. contest at the UWSP outdoor courts.

Coach Dave Nass' young team started the contest in the right fashion by winning two of the three doubles matches.

The No. 1 team of Dolores Much and Robin Haseley easily defeated Ruth and Beth Ostenso, 6-0 and 6-4, and the No. 2 squad of Jodie

Loomans and Lisa Brunner were also victorious with a 6-3, 6-2 win over Karen Keeker and Anne Schlindwein.

Winning singles matches for the Lady Pointers were Haseley at No. 2, Brunner, No. 5 and Lori O'Neill at No. 6.

Haseley and Brunner each claimed three set victories with the former beating Beth Ostenso 6-1, 3-6, and 7-6 and the latter topping Zita Wenda 4-6, 7-5, and 6-3. O'Neill earned her first collegiate victory by whipping Kathy Kimball 6-0 and 6-1.

Nass was very happy to see his team win the match and was pleased to see the improved play of a number of players.

"We started the match out well by winning two of the three crucial doubles matches," Nass declared.

"Dolores (Much) and Robin (Haseley) purely dominated the net in their match and the positive score reflects that. Jodie (Loomans) and Lisa (Brunner) also turned in a creditable performance

"Lori O'Neill logged her first collegiate win in singles play. She is beginning to get the feel for this level of competition and the more her confidence rises, the more she is going to win. She is a good tennis player.

"Robin (Haseley) and Lisa (Brunner) are the two players who pulled this match out for us. Both won three set singles matches which were tight all of the way and I must compliment them for remaining cool under pressure. Robin especially so because she won her match in a tie-breaker in the third set."

## Stickers stomp two more

**SID**—The UWSP women's field hockey team dominated play Friday, whipping UW-LaCrosse 6-0 and Luther College 5-1. The victories raised the Pointers' record to 3-0 in the WIM Conference and 4-0 overall.

Against LaCrosse, the Pointer women wasted no time, with Sara Larsen scoring on an assist from Madonna Golla just 2:31 into the game. Tina Roesken made it 2-0 with an unassisted goal at the 17:33 mark. Jaye Hallenbeck scored with an assist from Dee Christofferson to make it 3-0 at the 22 minute mark, but the Pointers were still not finished with their first half scoring as Laurie Craft scored twice on assists from Hallenbeck and Christofferson to make it 5-0 at halftime. Craft completed a hat trick at the 15:08 mark of the second half to conclude the Pointers' scoring. Sheila Downing had an assist

on the goal.

Head coach Nancy Page was elated with the big win. "We're very pleased with the win. We're very happy any time we beat a LaCrosse team, but this game we just totally dominated play. Our passes were accurate and we were moving the ball very well. We had some terrific centers and the inside forwards were able to get their sticks on the ball to score. Our defense was superb, limiting LaCrosse to only six shots."

The statistics told the story, as UWSP outshot LaCrosse 36-6 and had 20 penalty corners to LaCrosse's 5.

Sara Larsen again drew first blood for the Pointers against Luther, scoring unassisted at the 6:34 mark of the first half. Kristen Kemerling scored the first of her four goals to make it 2-0 on an assist from Colleen Kelly at the 31:38 mark. Ke-

merling's three second-half goals finished off Luther. Christofferson and Downing collected assists.

"This was a much slower paced game," said Page. "Our stickwork was clearly superior to Luther's and we were able to get around them easily."

"Kris Kemerling had 4 goals — an outstanding game for a rookie," Page continued. "Her positioning in front of the goal was great."

"I was pleased with everyone's play. We had good passes and very good defense. Our younger players played especially well — Craft and Kemerling are both first year players and between them they scored seven goals for us," concluded Page.

### X-country, cont.

place for the Pointers with a time of 18:29, while Tracey Lamers finished 7th with a 19:30 clocking.

Andrea Berceau grabbed 12th place with a time of 19:47 and teammate Kathy Hirsch posted a time of 20:07 for a 16th place finish. Janet Murray rounded out the Pointer scoring by finishing 17th with a time of 20:11.

Coach Dave Parker was a little disappointed with the way the team ran.

"We beat Oshkosh last week on their home course and we knew they would be out to get us," Parker commented. "They placed their pack of runners near the front early in the race and stayed there."

"Cindy (Gallagher) had another great race," Parker noted. "She went out hard and never looked back."

The Pointers return to action Saturday, October 1, when they travel to Iowa State.

### Meet Green Bay tomorrow

## Golfers ninth in Open

**SID**—The UWSP golf team took ninth place in the Pointer Open held at the Stevens Point Country Club here Friday.

UW-Oshkosh won the 16 team meet with a five-man, 18 hole total of 394. UW-Platteville was second at 401, followed by UW-LaCrosse 403, UW-Parkside 407, and UW-Green Bay 408.

The remaining scores included Graceland, 411; UW-Eau Claire 412; UW-River Falls 416; UW-Stevens Point (Purple) 421; Milwaukee School of Engineering, 422; Lawrence University, 424; St. Norbert College and UW-Stout, 428; Marquette University, 429; UW-Stevens Point (Gold), 431; and UW-

Superior 436.

There was a three-way tie for medalist honors, with Steve Meyer of LaCrosse. Joe Karras of River Falls and Mike Dobson of Platteville each carding 75's.

Freshman Bob Siech and Sophomore Dave Lang led the Pointers as each fired an 81. Other scores for UWSP's Purple team included Jay Christiansen's 86; Jon Dassow, 86; and Dean Wernicke, 87. Scores for UWSP's gold team included an 82 by Joel Herring, 84's by Gary Schuh and John Hackinson, Jeff Fohrman, 88 and Mike McDevitt, 93.

The Pointers return to action next Friday, September 23 at Green Bay.

## WELCOME TO NEWMAN UNIVERSITY PARISH

Newman University Parish is a Catholic Community for students, faculty, staff and interested persons of UWSP.

Newman Parish is a worshipping community.

### MASS SCHEDULE

Saturday, 4:00 p.m.

Sunday, 10:15 a.m.  
6:00 p.m.

St. Joseph Convent Chapel-1300 Maria Drive

(Sunday, Sept. 25-Outdoor Mass & Parish Picnic at Bukolt Park

(Sunday, Sept. 25-Outdoor Mass & Parish Picnic at Bukolt Park at 11:15 a.m. All students attending Newman Parish invited! For reservations call Newman Center Office, 346-4448).

Weekday Masses at 11:45 a.m., Newman Center

(Schedule listed in parish bulletin weekly)

### NEWMAN PARISH ALSO OFFERS

- Inquiry into Catholic Faith Classes
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- Small growth groups

Individual counseling and spiritual direction available at Newman Center (4th & Reserve) Monday thru Friday, 9:30 - 12:00 noon; 1:00-4:30 p.m. 346-4448

# DUCKS UNLIMITED

PRESENTATION &  
WATERFOWL  
IDENTIFICATION

BY Jim Keir DNR WILDLIFE MANAGER

Tues., Sept. 27th 7 to 9pm

Red Room of the University Center



It's FREE, but space is limited.  
sign up at



Located in the lower level of the University Center  
The University Centers

## UNIVERSITY FILM SOCIETY PRESENTS: Peter O'Toole in The Ruling Class

Directed by Peter Medak



"A stylish comedy that is brilliant and imaginative...a tour de force that makes movie history!"

Rex Reed

"Monstrously entertaining!"

Richard Schickel

Tuesday & Wednesday  
September 27 & 28

UC—Program Banquet Room

7 p.m. Only \$1.50

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Sat., Oct. 1 . . . . . David Michaels &  
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**U.A.B. Contemporary  
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9:00 in the Encore

**Saturday, September 24th  
\$2.00 at the door**

Gene Cotton has had 11 hit songs in his past including: "Before my heart finds out" & "You're a part of me" (a duet he performed with Kim Carnes. Also-"Live a Sunday in Salem" which was number two on the FM LP charts for 2 months.

# earthbound

## Questions remain on rad-waste transportation

By John C. Savagian

The solution to radioactive waste has become the most pressing problem to have ever afflicted the nuclear industry. At one time, the solution was considered a future consideration but as the waste, consisting of spent fuel assemblies from the reactor core, began piling up in holding pools surrounding the nuclear reactors with no solution in sight, the nuclear industry realized the time had come to deal with its waste. It had survived near-meltdowns and releases of radiation from normal operating use, but now was being threatened by its own shortsightedness. The nuclear industry was literally drowning in its own waste.

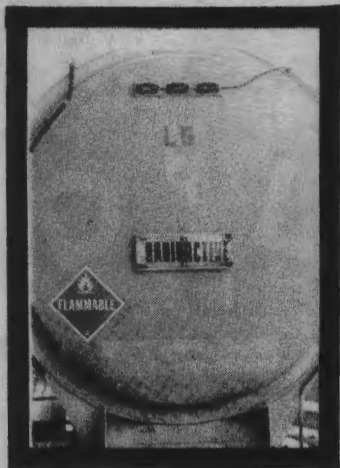
Today, 59 of the 73 operating reactors have storage pools that have had to be expanded, yet this is only prolonging the problem since it has been estimated that by 1986 six pools will be full with 20 more to follow by 1990.

Until the Department of Energy finds a way of disposing of this waste, which probably means to bury it under granite formations within a "host state," the power companies are moving the waste to Away From Reactor (A.F.R.) storage pools. To accomplish this,

they are relying on the shipment of waste via truck or train in helium or water filled casks that weigh 20 and 87 tons respectively.

Though the Nuclear Regulatory Commission (NRC) maintains the casks are a safe way to transport the waste, citing testing results they contracted Sandia Laboratories of Albuquerque, New Mexico, to conduct over a decade ago, the present method of transporting waste has come under increasing criticism by such organizations as the Council On Economic Priorities, the Sierra Club, the Environmental Policy Institute, and the Critical Mass Energy Project.

Marvin Resnikoff, a nuclear physicist working with the Council On Economic Priorities has recently published a report entitled, "The Next Nuclear Gamble: Transportation and Storage of Nuclear Waste." Resnikoff argues that the testing method used by Sandia should not allay public fears that those along the routes are safe from radioactive exposure. Even the NRC and the Department of Transportation's own data show that we should consider, as the saying goes, that the situation is akin to an accident waiting to happen.



Rad Cask(et)?

In fact, there have already been numerous accidents involving the transportation of radioactive materials. From 1973 to 1978, there were 328 reported accidents and of these, 118 had radioactivity released into the environment.

In 1981, during a shipment of waste from a holding pool in Illinois to the Genoa nuclear plant near La Crosse, a cask was found to be emitting 90 times the legal amount of radiation. One probable reason for this accident is that the casks are never x-rayed for possible defects in the welds.

The NRC's problem with defective casks has reached epidemic proportions. Seven of the 15 original casks have already been taken out of

service because of structural problems, and there is no guarantee that the new casks are any better because the NRC does not require that they be tested.

The tests done by Sandia Laboratories do nothing to alleviate critics' fears since they were limited in scope and produced questionable results. For example, although Sandia's film shows a cask being rammed into a concrete wall, such crashes were administered only to the strongest part of the cask. According to Resnikoff, a crash at only 12.5 miles per hour could cause the casks to open if it occurred at other angles.

Another problem with Sandia's tests was that the casks they used were loaded with non-irradiated assemblies. Spent or used assemblies generate heat up to 800 degrees Fahrenheit, which adds considerable stress to the casks. Furthermore, pressure inside the casks goes up considerably with the use of spent fuel assemblies, possibly reaching 300 p.s.i.

Sandia has admitted in its report that "Due to the high cost of modern casks, it was necessary...to use older and obsolete equipment." In fact, most of the testing was concluded using computer simu-

lation, not physical accidents. Even then, the models used were not always the most realistic. A good example of this was the truck impact test, which had the truck moving at only 30 miles per hour. Sandia candidly states, "These tests are not intended to validate present regulatory standards." This is an inevitable statement given the above facts, yet the film produced by Sandia, entitled "Accident Safe," is being touted by pro-nuclear groups as testimony to the safety of radioactive waste transportation.

If such a crash were to occur, the NRC concedes, that under a worse case scenario (an accident occurring in downtown Manhattan at lunch hour), 2,492 immediate deaths would occur and many more would follow years later from cancer. To avoid just such a disaster, the city of New York barred shipments of radioactive waste from its streets. The city's decision was upheld by Judge Abraham Sofaer, who found the Department of Transportation's rule (HM-164) to be "arbitrary," and "capricious," and its assessment of risks as "misleading," "crude," and "simplis-

Cont. on p. 23

### Viewpoint

## Acid rain: Red herrings dilute public outcry

By Sheldon Cohen

Overwhelming evidence of the detrimental effects of acid rain currently exists and steps that need to be taken to alleviate the problem are known; why then is no positive action being taken to correct this problem on a national level? To answer this question, we must first investigate the problem sources.

Acid precipitation (rain, snow, fog or dry deposits) contains significant amounts of nitric and sulfuric acids. The acids are formed when nitrogen oxides (NO<sub>x</sub>) and sulfur dioxide (SO<sub>2</sub>) emissions—primarily from industrial power plants and automobiles—mix with moisture from the atmosphere. Strict enforcement of strong air pollution regulations reducing allowable emissions of these pollutants will stop this insidious type of environmental degradation.

The acid rain issue is not as cut and dry as the facts that I have outlined thus far. Political and economic (as well as environmental) interests and pressures play a key role in fueling the heated controversy. In the meantime, hundreds of lakes in Canada and the United States are dead or dying and thousands more are threatened.

In the confusing world of politics, red herrings are defined as intentionally misleading statements designed to draw people's attention away from the important issues. The red herring is thriving in the acid rain debate; here are some prominent examples:

1) Statements attempting to repress the seriousness of the problem by comparing the pH of common food items to the low pH values of acid precipitation.

Instead, compare acid rain

to natural rainfall (pH 5.0-5.6). Rain that is 10 times as acidic as normal (pH 4.0-4.6) has been frequently detected in northeastern United States and Canada, and rainfall that is unusually acidic (pH less than 5) has been recorded in many other parts of the country, including Wisconsin. The fact is that most fish die when the pH level of a lake falls much below 5.

2) Statements pointing the finger of responsibility on natural sources of sulfates and nitrates including lightning, volcanoes and the organic decay of vegetation.

The aquatic life within these lakes have been coping with these natural sources for quite some time now and there is no evidence that their output has increased or changed in nature in recent years. What has changed is that every year over North America alone, we're emit-

ting into the atmosphere 50 or more million tons of NO<sub>x</sub> and SO<sub>2</sub>.

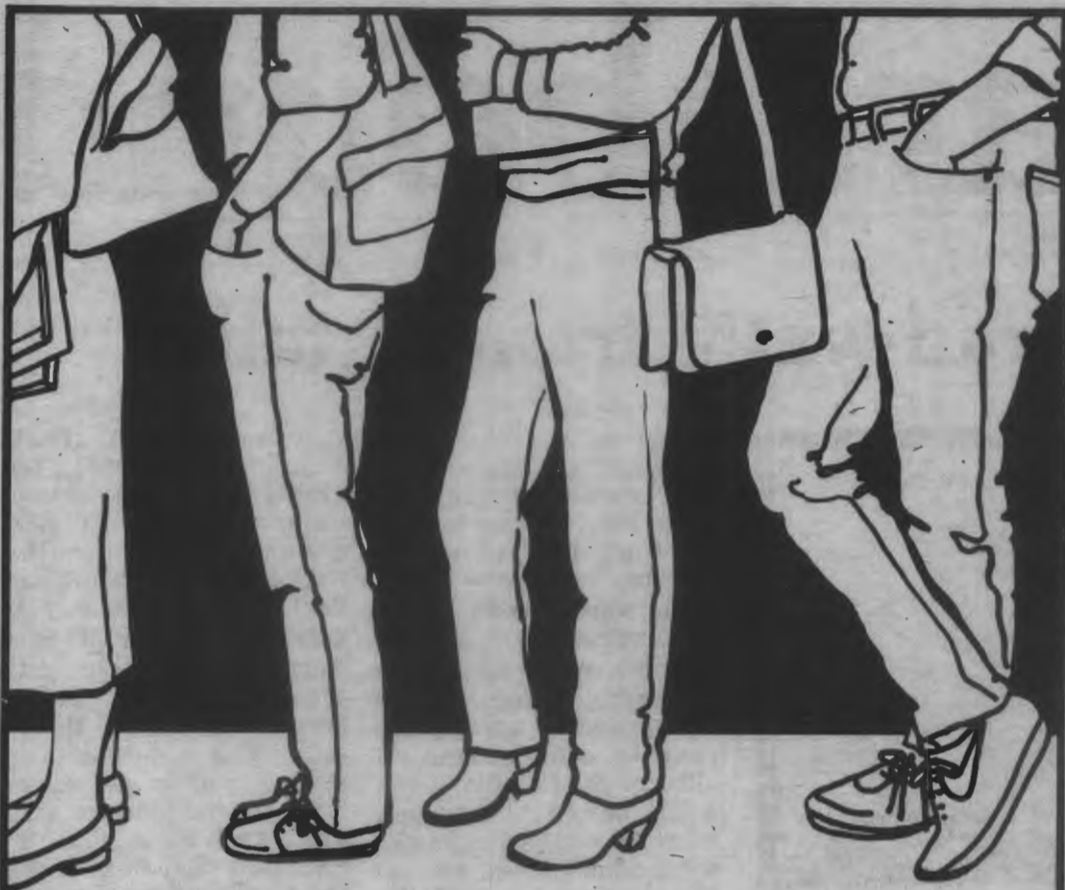
3) Statements promoting "quick fix" types of mitigation efforts such as lake liming and aeration to control acidification, as well as the restocking of fish.

The effects of acid rain cannot be reversed overnight; they are ongoing and cumulative. Liming (which raises the pH of acidic water) might be a temporary solution if just a few bodies of water were involved but tens of thousands of lakes scattered over a million square miles are affected. In addition, liming only returns the acidity of water to normal levels. It cannot restore the aquatic organisms that feed the fish; therefore, restocking would be unsuccessful.

Each year, the major companies responsible for the emissions of acid rain pre-

cursors saturate position papers with red herrings such as these. In September 1981, the Business Roundtable Environmental Task Force (composed of U.S. Steel, Union Carbide, Union Pacific, Weyerhaeuser, Mobil and 10 other corporations) published their position paper on acid deposition. The paper summarizes the issue as follows: "Recent analysis indicates no evidence of significant changes in acid rain levels during the past 25 years, or of increases in the geographic scope of acid deposition." Here are some of their final recommendations: "There is strong support within the business community for accelerated research directed at resolving critical uncertainties concerning acid rain. There is widespread opposition to any immediate regulatory action

cont. on p. 23



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## Public speaks on groundwater bill

By Andy Savagian

Assembly bill 595, which deals with the protection of Wisconsin's groundwater, received its first public hearing by the Environmental Resources Committee last Thursday at the Capitol building in Madison.

Speaking before the committee, which is chaired by Representative Jeffrey Neubaumer, were both supporters and opposers, ranging from politicians and secretaries of various agencies to state businesses and private citizens.

Introduced in the Assembly last July, AB 595 was developed by the Legislative Council's Special Committee on Groundwater Management. The complex bill basically has two major and seven minor elements. The compensation provision for any person whose well is rendered unusable because of groundwater contamination is the first major fundamental of the bill.

The second main component is the establishment of groundwater protection standards for substances that have been or will be detected in the state's groundwater. This is called the double or two-tiered standards approach. The first section requires each state agency that impacts the groundwater to provide the Department of Natural Resources (DNR) with a list of substances that have been or could be in the groundwater. These substances would then be put into three categories—those substances which already have been detected in water supplies and exceed federal standards (aldicarb and chranium are two examples), those that have been detected but don't exceed federal standards or don't have a standard, and those substances that haven't yet but still might be detected in Wisconsin's groundwater.

The second section is called the preventive action limit (PAL). In this way a type of early warning system is created to regulate such operations as design and siting criteria for waste disposal facilities.

The action taken by each individual agency responsible for enforcing the regulations vary with how far the concentration of the substance has gone compared to the limits set by PAL. Some steps that might be taken are: minimizing the pollutant; regain and maintain the PAL at a feasible level and completely banning the pollutant itself.

The idea of legislation for the control of Wisconsin's groundwater was supported by everyone who spoke at the hearing on September 13. Many were also in favor of AB 595. The first speaker and one of the more outspoken proponents of the bill was Representative Mary Lou Munts. Calling the bill "creative and innovative," Representative Munts gave a brief outline of the bill, which she said was "breaking new ground" and believed it would "firmly pass" in the Assembly. She added, however, that the Legislature tended to become too refined on the final copy when passing a bill of this nature. She recommended that they should quickly get the legislation "on the boards," to "take the bill and run with it."

Buzz Besadny, spokesman for the DNR, also supported bill 595 and called groundwater Wisconsin's "buried treasure." He added that the Department of Agriculture, Trade and Consumer Protection must play a major role in the program, and that there are various alternatives to fund the program besides the projected general purpose revenues (GPR).

Opponents of the bill attacked its mechanics rather than the idea itself. The opposition included Senator Joseph Strohl of the state Senate, and even though the Senator could not make the hearing, his aide read a short statement on his position. Senator Strohl commented that the bill was not comprehensive enough, and he did not wish to vote against groundwater legislation but he would because of its lack of punch. He concluded by saying that if the bill did pass it would probably accomplish little.

The Department of Transportation came out against the bill for an obvious reason. Spokesman Harvey Peterson declared the bill deterred their efforts to control ice on roads in the winter for safer driving because of restrictions of the chloride content. This affects the bulk of rock salt the DOT stores for use on the highways.

The next public hearing will be held Thursday, September 22, in the city of Wausau. The general public will not be allowed to speak in front of the committee as in the September 15 meeting. However, the issue of protecting this state's groundwater has become quite controversial and the hearing in Wausau looks to be anything but placid.

**Space, cont.**

clear power.

The actual colony needed on the moon for any of these

**Rad-waste, cont.**

tic." Other cities are following suit. The city of Milwaukee may be attempting such a course of action if the Board of Supervisors listens to concerned environmentalists who are using the Resnikoff study and the NRC's own data for ammunition to prevent further shipment of radioactive waste on Wisconsin's highways.

**Acid rain, cont.**

to further curtail SO2 emissions from the Ohio River Basin. Current scientific evidence indicates that such controls regardless of cost would probably not produce significant benefits."

The Reagan administration fully endorses these conclusions with the belief that regulatory action would "handcuff" industry and slow down energy development and economic recovery. In January 1983, the Justice Department designated two acid rain documentary films from Canada as "political propaganda" requiring "foreign agent" labels at the beginning of the film and identification of all organizations and theaters using the film. In essence, the administration considers this film subversive and questions the patriotism of its users and exhibitors.

The acid rain problem exists and is worsening. There are growing indications that acid rain may be having detrimental impacts upon crops and forests as well. The cost of further delay could be enormous. The red herrings must be dispelled. Unless the public becomes aware of the urgency of this problem and decides to take corrective action, the consequences of all these misconceptions and lack of foresight may be realized too late.

**Video, cont.**

"As more students become interested in this field, the department will acquire the needed equipment for increased class size," said Rice.

The class is designed to attract a wide variety of students, not just computer whizzes. "This university's computer graphics course is designed to attract people attracted to computers, who want to use that knowledge as a tool in their discipline," says Rice.

Students with minors in business, art, science and communication are encouraged to take this course some time in their academic career.

Computer graphics is an exciting avenue to express your career interests. Should you have any technical inklings, this course will illustrate your ability to Bytes.

operations would be fairly small. Two space shuttle external tanks buried underground would provide 2,400 square feet of living space.

Self-sustenance is a possibility which the Soviet Union has already experimented with. Six months were spent in a simulated space capsule manned by three men who recovered oxygen from carbon dioxide in the air and were able to grow grain and vegetables for food.

So many options for coloni-

zation are open to us. Lunar bases, bases on Mars, free floating bases and even hollowed out asteroids. We have the technology for such things and the space shuttle makes them an achievable reality. Why are we failing to pursue such goals?

Associate Professor of Physics and Astronomy, Greg Kulas, reasons, "Lack of political return is a problem. A project started now will be finished in about ten years. It will span 2 1/2 presi-

dential terms. Rewards from the project will not help win an election in four years."

Mark Bernstein, Planetarium Director, feels that the colonization issue is dead in this country. "There is no national consensus (concerning our commitment to space exploration)...the government has already killed programs such as the Halley's Comet interception mission for economic reasons. Colonization is only possible if we don't give a

damn about economics," he explains.

The government is not looking at space in terms of colonization anymore. A more profit seeking, military attitude has been taken.

Bernstein said, "We've got a shuttle approach now. The military takeover of the space shuttle program is disastrous." He went on to say, "An international effort is what I would like to see. It would bring a feeling of

cont. on p. 24

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Entry Fee - \$250 per team.

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## Survival manual aids college students

by Trudy Stewart

!!!ATTENTION FRESHMEN!!!

Need information on how to survive on the Food Service's idea of a balanced diet? How about trying to cope with your roommate's smelly feet on your pillow?

Want a few tips on classic dorm pranks? Feel like a "Directionless-Youth-with-No-Future" when it comes time to name a major?

Do you know about the freebies included in your tuition fees? What about getting the dope on drugs? Know where to score on birth control? Where can you find out what a term paper is? If you've already gone through your first semester's allowance, how do you go about getting a few extra bucks?

Well, don't despair, help is on the way in the form of G. Brown's new book, "How to Survive Your College Daze" (New View Press; \$5.95). With his conversational writing style, the Boulder-based author has humorously catalogued much valid information for the first year student.

Despite his teasing, Brown is intently serious about his first book project. "I wasn't about to write a self-help tome for college students from a parental viewpoint. College presents a whole set of problems that parents can't even comprehend.

"I chose to write the book from the perspective of a wizened 'big brother'—my attitude was 'you shouldn't do this, but since you probably will anyway, here's how to do it right.'

"Without a doubt, I'd buy my book if I was away at school for the first time," Brown grins. "Heck, it's the same price as a pizza and two cokes!"

The 1979 University of Colorado graduate currently works as the rock-critic-in-residence at the Denver Post. "The bands I interview keep me thinking young," he notes. "I'll know that my book is a smash when Van Halen reads it and breaks up to attend Notre Dame."

"How to Survive Your College Daze" is available in campus bookstores and is published by New View Press, 5370 Manhattan Circle, Boulder, Colorado 80303.

Letters to the editor will be accepted only if they are typewritten and signed, and should not exceed a maximum of 250 words. Names will be withheld from publication only if appropriate reason is given. Pointer reserves the right to edit letters if necessary and to refuse to print letters not suitable for publication. All correspondence should be addressed to Pointer, 113 Communication Arts Center, UWSP, Stevens Point, Wisconsin 54481.

Written permission is required for the reprint of all materials presented in Pointer.

### Space, cont.

working together. That is more important than economics. The Apollo-Soyuz mission of 1975 set a good example. It showed the world that we do not have to take our hostilities into space."

Kulas found it to be a very frustrating time. "We (the U.S.) have very little on the drawing board. Even if we make a push now, we may be starting anew. But I do feel NASA is starting to dream again," he added optimistically.

That is what we need, as individuals and as a nation. Dreams are what we need. They are a glimmer of hope—a star glimpsed on a cloudy night, for dreams are great achievements yet to be accomplished.

## TAKE A RISK

Explore Lifestyle Alternatives

The first body tune-up program presented by Lifestyle Assistants will be held Thursday, September 22nd at 4:00 p.m. (213 Delzell)

'You Can Make It On Your Own.' will promote information on how to design your own exercise program.

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Blade Runner

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Outland

9:15

Thursday, Sept. 22

Friday, Sept. 23

UC-PBR

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On Jupiter's moon he's the only law.



# OUTLAND

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PETER BOYLE

FRANCES STERNHAGEN JAMES B. SIKKING KIKA MARKHAM  
Produced by RICHARD A. ROTH Executive Producer STANLEY O'TOOLE  
Music by JERRY GOLDSMITH Written and Directed by PETER HYAMS

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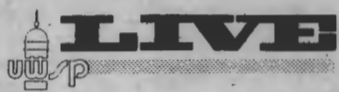


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# pointer program



**Tonight**  
**LECTURE**—Ron Lokken, professor of physics, will discuss "The Nuclear Process" as part of UWSP's fall "lecture forum." The lecture begins at 7 p.m. in the main hall of the CCC, followed by a question and answer session.

**Wednesday, September 28**  
**THE ROYAL LIPIZZAN STALLIONS**—The dancing white stallions will perform their "airs above the ground" at Quandt Gym on Wednesday, September 28, at 8 p.m. The Lipizzans were featured in the Walt Disney film "The Miracle of the White Stallions." UWSP students, senior citizens and kids under 12 can see them dance and prance for only

\$5.50. General admission is \$7.50. For more information call the UWSP Athletic Ticket Office at 346-3257.



**Thursday and Friday, September 22-23**

**BLADE RUNNER AND OUTLAND**—SF fans take note. UAB brings you Harrison Ford battling genetically-engineered killers in "Blade Runner," and Sean Connery guarding a mining operation on one of Jupiter's moons in "Outland." The double feature starts at 6:30 p.m. in the Program Banquet Room.

**Tuesday and Wednesday, September 27-28**

**THE RULING CLASS**—Peter O'Toole stars in this 1972 comedy as a demented, self-

proclaimed godhead who inherits the 14th Earldom of Gurney. Peter Medack directed this film which the University Film Society will show at 7 p.m. in the Program Banquet Room both nights.

**Wednesday, September 28**  
**CALCUTTA**—This Louis Malle documentary explores the poverty, suffering, and religious enthusiasm of the people of Calcutta. The film begins at 7:15 p.m. in Room D102 of the Science building, and is open to the public.



**Saturday, September 24**  
**ART IN THE PARK**—Come out to Bukoilt Park on

Saturday and enjoy some Art in the Park from 10 a.m. to 4 p.m.

**September 25-October 15**

**CARLSTEN GALLERY**—Thrill to the magic of lasers and neon, and view "Devices: An Exhibit of Technological Art," a display of high-tech art forms. Special demonstrations, workshops and lectures will be conducted throughout the demonstration. For more information, contact curator Carol Emmons at 346-2664 or 341-5014.



**Saturday, September 24**

**GENE COTTON**—The music starts at 9 p.m. in the Encore. You can enjoy this UAB concert for only \$2.

**Sunday, September 25**  
**ARTS AND LECTURES**—The Chicago Symphony Woodwind Quintet will come to Michelsen Hall at 8 p.m. The five-some features a virtuosic group of principal musicians from the Chicago Symphony Orchestra playing the flute, oboe, clarinet, horn and bassoon. UWSP students can get tickets for \$1.50. General admission passes cost \$6, but kids and senior citizens can get in for \$3. For further information call the Arts and Lectures office at 346-3265.

**COMING UP**—UWSP Arts and Lectures will present the ANTA (American National Theatre and Academy) Touring Company in their production of *The Tavern* on Wednesday, Oct. 5, at Sentry World Theatre...The TUBES will rock Quandt Gym on Tuesday, October 11.

# student classified

## for rent

**FOR RENT:** Female Student Housing Available. Furnished, 1 block from campus. Call landlord at 341-2993 after 5 p.m.

**FOR RENT:** One woman needed to share large house with two others, own room, quiet neighborhood, parking. \$100 per month plus utilities. Call 345-0754 after 6 p.m.

**FOR RENT:** Female roommate wanted. Small single. \$40 per month plus 1/2 utilities. 9 blocks from campus. Non-smoker only. Call Debbie at 345-1266.

**FOR RENT:** Student housing. Close to campus. Call 341-6079. If not home, please leave message.

**FOR RENT:** 7 females needed to sublease house for 2nd semester. 3 doubles, 1 single—\$460 and \$470 plus utilities. 1 block from campus on 1200 Reserve St. Call 345-0692 for more details.

**FOR RENT:** Two spaces left in hugh four bedroom house for men. \$575 per se-

mester includes heat, electricity, water, local telephone and parking. Phone 344-2105.

## for sale

**FOR SALE:** Bunkbeds. Will fit perfectly in dorm room. Very sturdy! Bolted together. Asking \$60. Call Sue, 344-9433 evenings except Tuesday.

**FOR SALE:** 12x50 mobile home, set up 10 miles north of Point. Includes 9x12 shed and woodburner. Call 345-0353 or 623-7951 collect.

**FOR SALE:** 1974 LTD, very clean. Interior body slightly rusted, 16 mpg, only \$600. Call 766-3146.

**FOR SALE:** 1974 Jeep Cherokee 4x4. Runs great and still looks sharp despite lower area rust. This is a vehicle I wish I could have found when I was a UWSP student! Best offer near \$950. Call 715-387-4257 (Marshfield).

**FOR SALE:** Turbotrainer, 6 months old. \$100 or best offer. Call 341-6363.

**FOR SALE:** Research papers! 306-page catalog—15,278 topics! Rush \$2. Research, 11322 Idaho, No. 206M, Los Angeles, CA 90025 (213) 477-8226.

**FOR SALE:** Stereo—Scott amp plus speakers, 70 watts per channel. Sansui turntable and Toshiba tuner. \$500 or best offer. 345-1733, Jeff.

**FOR SALE:** Video game with 2 cartridges, \$20; room-sized rug, \$15; wrought iron TV-aquarium stand, \$15; quartz heater, \$10; toaster oven, \$10; Espresso machine with cups, \$35; magazine stand, \$5; bookcase, \$5; Hibatchi grill, \$5; desk lamp, \$5; fan, \$5. 341-4419, 4-7 p.m.

**FOR SALE:** Carpeting, exact fit for a dorm room, high-low cut, forest green. Asking \$25. Call 345-0148.

**FOR SALE:** Orange-brown striped carpet. Dorm size. \$25. Call 344-9043.

**FOR SALE:** One pair of Technics SB-K40 loudspeaker. Actual list 6 mo. age, \$450. Must sell! If interested, call Willy at 341-4122.

## wanted

**WANTED:** A ride to Janesville, or some place

close. Sept. 23, (Fri.). Can leave Fri. noon. Please call Sue, 344-9433.

**WANTED:** Roommate needed. Single room in spacious upper flat. \$110-month plus utilities. Call Janet or Karen, 341-6457.

**WANTED:** Attention Grouse Hunters! Looking for a place to keep 6-year-old English setter. Excellent grouse and pheasant dog. Would provide food. Interested parties call Chris at 346-3740 or stop by Hyer Hall, room 108.

**WANTED:** Bass player for an R & B dance band. Contact Mike Dennis at 344-2887.

**WANTED:** Female to rent room, \$100 per month includes utilities and run of the house. 3 blocks from campus. 344-5313.

**WANTED:** Seven females to sublet the mantle second semester. 345-0692.

## employment

**EMPLOYMENT:** Earn extra money. Become an independent dealer selling ingenious art posters. Send \$2.50 for catalog and information to Castle Arts, P.O. Box 587A, Altamont, NY 12009.

**EMPLOYMENT:** Earn \$500 or more each school year. Flexible hours. Monthly payment for placing posters on campus. Bonus based on results. Prizes awarded as well. Call 800-526-0883.

**EMPLOYMENT:** Environmental Activist. Intelligent, articulate people needed to assist established, statewide, environmental organization with public education, fund-raising and grassroots organizing in Stevens Point area. Paid positions available with advancement possibilities. Call Citizens for a Better Environment between 10 a.m.-2 p.m. 344-0011.

## announcements

**ANNOUNCEMENT:** Household items. Rummage sale at 317 6th Ave. It's on the way to Art in the Park, so stop in Saturday, Sept. 24, from 10 a.m.-4 p.m.

**FOR SALE:** Downhill ski pants, Roffee racing style, padded knees, red, will sell cheap. Worn once. Retail for \$110. Call 341-2091.

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**ANNOUNCEMENT:** Ducks Unlimited will have a presentation and waterfowl identification Tues., Sept. 27, 7-9 p.m. in the Red Room of the UC. DNR Wildlife Manager Jim Keir will make the presentation. Sign up now, "it's free" from Recreational Services, Lower Level UC.

**ANNOUNCEMENT:** Doubles table tennis tournament Thurs., Sept. 29, 6:30 p.m. Cost \$2 per team. Sign up at Recreational Services. Trophies for all winners.

**ANNOUNCEMENT:** Doubles foosball tournament today, Sept. 22, 6:30 p.m. Cost \$2.50 per team. Prizes for winning teams. Sign up at Recreational Services.

**ANNOUNCEMENT:** Attention students, faculty and staff!! Want to know if your lawn and-or garden at home or school needs improvement? Bring in a soil sample and we will test it. Come to Rm. 105 CNR and find out more details from the student chapter of the Soil Conservation Society of America about taking the sample and what to do with it.

**ANNOUNCEMENT:** The Canterbury Club will be having a meeting on Monday, Sept. 26, at 7 p.m. in the Blue Room of the UC. The meeting will last about an hour and a movie will be shown. Any questions? Call 345-1964.

**ANNOUNCEMENT:** Attention skiers! Don't miss the meeting of Ski Team Club on Wed., Sept. 28, 1983. Memberships will be sold at the meeting or get your membership from the SLAP Office for \$12.50.

**ANNOUNCEMENT:** Can It! Recycle your aluminum cans in the new blue recycling receptacles located conveniently around campus...Can It in the UC, CNR, Science bldg., LRC after hours and Debot Center. Don't throw it away—Can It! Sponsored by EENA.

**ANNOUNCEMENT:** Environmental Educators' & Naturalists' Assoc. (EENA) presents...Environmental T-shirt and game sale! Buy a beautifully designed, colorful T-shirt or how 'bout a fun new board game?! Check us out next week in the UC Concourse Mon., Sept. 26-Fri., Sept. 30, from 9 a.m.-3 p.m.

**ANNOUNCEMENT:** No plans for this Sunday? Why not watch the Brewer-Baltimore game with UAB Leisure Time Activities? You say they're going to lose?? Who cares? For \$8.00 you can't go wrong—the thrill of a live game, the excitement of the fans...come on sports fan! Sign up in the SLAP Office or call 2412 for more information.

**ANNOUNCEMENT:** Hunger persists not because we can't end it, but simply because we haven't. If there is enough food to go around, if hunger is not inevitable, why do millions continue to starve? The ability to create a worldwide commitment to end hunger in this century

resides only within individuals. If interested in forming a World Hunger Committee, please contact Kathy at 341-2484.

**ANNOUNCEMENT:** Take a study break, Sunday, Sept. 25, and join us for the year's first meeting of the African Christian Students Fellowship. Everyone is welcome to take part in the fun of some singing, and a talk on God's love. The meeting will be held in the UC. Check the Pointer Daily for the exact location. We're looking forward to seeing you!

**ANNOUNCEMENT:** Youth Conservation Camp Counselors. If you were a counselor at Ernie Swift, Kettle Moraine, Mecan River, Statehouse Lake, or Wyalusing, you are invited to attend a Wing Ding, counselor style, on the night of Oct. 1. Please r.s.v.p. as soon as possible so we can know how many are coming. 341-7029 or 341-5550.

**ANNOUNCEMENT:** Women and men interested in sexual harassment, health issues and women in leadership are invited to become a part of SGA Women's Affairs Committee Meeting at 4:30 p.m. Mon., Sept. 26, SGA Office.

**ANNOUNCEMENT:** Attention all you bikers out there, come and join us in the UWSP Bike Club for fun and excitement. We have weekly get-together rides, some weekend trips planned and many benefits for cyclists. We meet each week on Monday night. (Watch the Daily for time and place) or contact Joe at 344-0749 if you can't make the meetings.

**ANNOUNCEMENT:** Bring your horse to school! New!! Sunrise farm! Riding lessons! Quality boarding! Training and fitting! English! Western! Hunt! Within 8 miles of Point! Resident certified trainer! Call today, 341-7833. Owners: Ron and Kathy Cook. Trainer: Jeff Anderson.

**ANNOUNCEMENT:** Rummage sale. Everything must go! Lots of things for the college student—low prices. 1625 Main St. Fri. and Sat., 10 a.m.-5 p.m.

**ANNOUNCEMENT:** Attention: The IABC-Student Business Communicators will be having a general meeting Sept. 28 at 6:30 p.m. in the Van Hise Room of the UC. Anyone interested is invited.

**ANNOUNCEMENT:** Education Graduate Exams will be held on Sat., Oct. 15, 1983, in Room 326 of the COPS bldg. from 8:30 a.m.-12:30 p.m. Graduate students must register with Dianne Smith in the SOE Advising Center before Sept. 30, 1983.

**personal**

**PERSONAL:** Little slave girl. Thanks for a beautiful weekend. You're someone special. Warm fuzzy.

**PERSONAL:** Beast, have you checked your fire extinguisher lately? The women of the grey house.

**PERSONAL:** Dear Red Torino, you seem to know when I need a lift. Hitchhiking may be risky, but not getting picked up makes for a long, lonely walk. Maybe it's time to start living dangerously. Thank you friend. WI hitchhiker. P.S. I owe you for gas.

**PERSONAL:** Yes, the rumors are true. P.J. & Nancy are engaged. We're very happy and very lucky. Big day is Sept. 22, 1984 on campus! All our friends are invited.

**PERSONAL:** Wanted: Used bowling ball or large rock. Call Janet or Karen, 341-6457.

**PERSONAL:** Hey Joe Cool Dart Player: I was impressed by your dart throwing abilities, what a way to score...will you teach me your secret at the next house party? Signed the Brain Surgeon.

**PERSONAL:** To the men of 4th floor Pray—The party was a big success. Thanks to all of your efforts. Congratulations for a bash well done!!! Sincerely, Dan and Dennis.

**PERSONAL:** To Bourbon Street lovers: We hope all of you enjoyed the 17th. The 30th annual will be next semester, so keep your calendars free. See you there, 4th floor Pray.

**PERSONAL:** To Atilla the hostage: Have been working diligently on your safe return but your captors have been uncooperative as of yet. FBI, CIA & KGB are stumped, so our next move will be to call out "The Guard." Waiting upon your return home are your favorites: bananas, berries, nuts & a Mickey's. Hang in there baby, we love ya! JJ, DB, SM & MD.

**PERSONAL:** To the Mantle ladies: You can attract a crowd anywhere, but we're hoping for a private party. Looking good!

**PERSONAL:** Pooper: Love ya always, and have a great birthday. Can't wait till Friday. Love, BTO.

**PERSONAL:** NELSON STAFF: You're the best—I'm prud to be a part of you. Let's keep up the energy and love life. Have a great week. Love, Deb.

**PERSONAL:** Hey guys! Give Deannie a call on Tuesday and wish her a happy birthday. Her number is 341-9284.

**PERSONAL:** Memorial service being held for relatives and friends, in memory of "Doug" (cremated Sun., Sept. 18). Surviving relatives, Dan, Vick, and Uncle "Red." R.I.P. Doug!

**PERSONAL:** Dear Wisconsin Hitchhiker: Well she—it. Here ah am, down here in the midst of Hillbilies, Hoosiers, and Fibs, and I'm hatin' it like you only read about. But there is hope, I got the six and TV dinners. Maybe I'll get out of the garage when the snow flies. Ya'll come back now, ya hear? Red Torino.

**PERSONAL:** Al Day's sis-

ter, Barb, gave birth to a 9 lb. 7 oz. handsome baby boy, Jeffrey Michael, on Sept. 19. Congrats. Barb.

**PERSONAL:** Women's C.C. Team: Keep working hard, it's paid off before and will pay off again. Run well at River Falls.

**PERSONAL:** Put your high-tops on! The long-awaited party is this Saturday. All Clam Lakers and friends of Clam Lakers invited, 2035 Ellis—across from Emerson School. We're going to party-y!! Now!!

**PERSONAL:** Hey 59—Let's road trip to Fond du Lac for a little excitement this weekend. Last weekend was boring. Your Eternal

Flame.

**PERSONAL:** Happy 20th b-day Soo Marie Nelson. Now we're all over the hill (but still lost in the woods). Party Hardy Kid. Love, your roomies, Cin, Deb & Sid.

**PERSONAL:** You big pa-looka, I really miss seeing you. Let's get together sometime, even if it is only for a shake, I hope your feet are doing well. Remember I'll always be here to give them a good crack. Love, the Toe Cracker.

**PERSONAL:** Hey T.L. & V.G.—two crazy gals at 2035 Ellis....next time you want to have a popcorn party, please invite me so I can help burn the midnight oil.

**MOVIES** Rogers Cinema Bus. 51 South Starts Friday!

There's a time for playing it safe and a time for...

*Risky Business* All Seats \$1.98

*Strange Brew* PG

**THE ROCKY HORROR PICTURE SHOW**

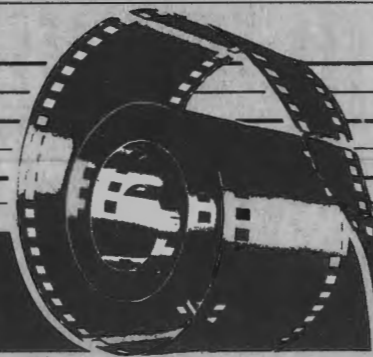
WSPT Weekend Theatre Fri.-Sat. Late 11:30 p.m. Sat. Matinee 2:00 p.m.

**SECOND STREET PUB**  
PROUDLY PRESENTS:

**Black Star Reggae**  
(Jamaican Reggae)

**Friday, Sept. 23**  
9:30-1:30

**FREE BEER**  
8:30-9:30



# THE UNIVERSITY CENTER IS FOR REEL

## SEPTEMBER

6-7 **COOL HAND LUKE**  
8-9 **AN OFFICER AND A GENTLEMAN**

13-14 **LORD OF THE FLIES**  
15-16 **SUPERMAN II/SOMEWHERE IN TIME**

18-19 **MISSING**  
20-21 **TRAFFIC/DIVA**  
22-23 **BLADE RUNNER/OUTLAND**  
27-28 **THE RULING CLASS**  
29-30 **DINER**

OCTOBER  
3-4-5 **DUSTIN HOFFMAN Film FESTIVAL**

6-7-8 **TOOTSIE**  
11-12 **LIFEBOAT**  
13-14 **CAT PEOPLE/TIME AFTER TIME**  
18-19 **FORT APACHE**  
20-21-22 **MONTY PYTHON Film FEST**  
25-26 **WHATEVER HAPPENED TO BABY JANE**  
27-28 **POLTERGEIST**

## NOVEMBER

1-2 **MEET ME IN ST. LOUIS**  
3-4 **THE WALL**  
6-7 **TOMMY/BLACK AND BLUE**  
8-9 **THE PRODUCERS**  
10-11 **TRON/WIZARDS**  
15-16 **WEST SIDE STORY**  
17-18-19 **ERASERHEAD/  
FLESH GORDON/  
THE WARRIORS**

20-21 **THE POINT/CARTOON FROLICS**  
29-30 **EATING RAOUL**

## DECEMBER

1-2 **MY FAVORITE YEAR**  
6-7 **HIGH PLAINS DRIFTER**  
8-9 **48 HRS.**

WATCH "THE POINTER NEWS MAGAZINE," "THE WEEKLY," AND "THE DAILY"  
FOR COMPLETE INFORMATION ON COST, TIMES, AND LOCATIONS.

**The University Centers**