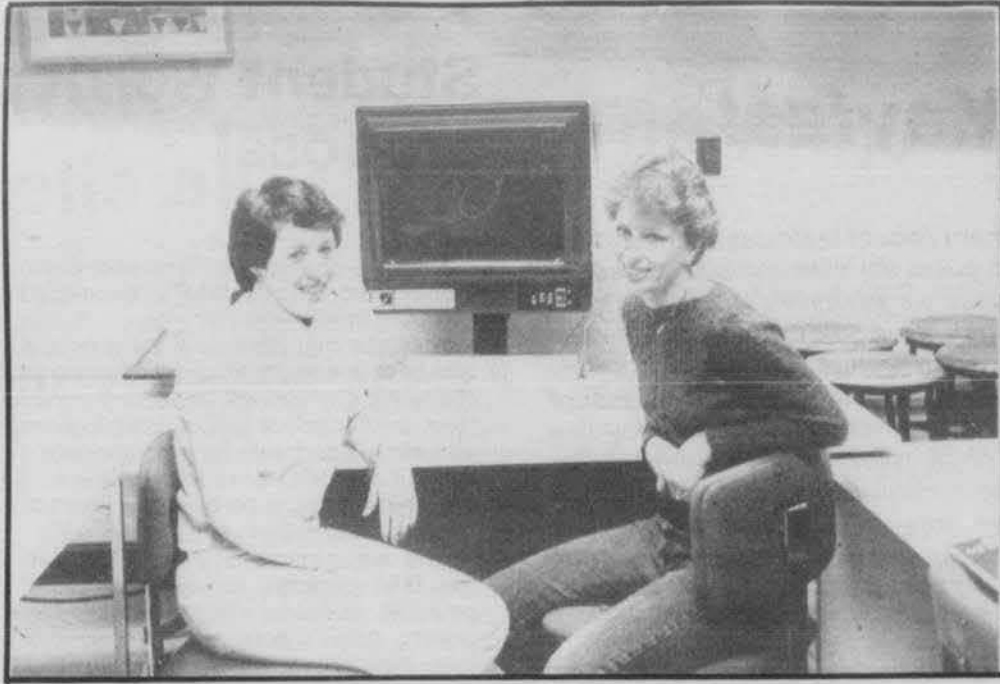


Involvement with CAD at WPI

by Robert Eiermann
News Editor

According to Professor Ken Scott of the Mechanical Engineering Department, students involved in computer aided drafting (CAD) projects have a "better than average opportunity" in the engineering job market. CAD is being recognized in industry as a valuable tool in areas of Mechanical, Electrical, Chemical, and Civil Engineering. Students at WPI are realizing the importance of CAD and are now involved in CAD courses and projects.

With students using the computer-aided drafting facilities in the Higgins Laboratory, increasing demands on the CAD system have developed some problems. Ken Markowski and Joe Scafidi, both Juniors at WPI, are currently doing an IQP devoted to the development of a self-paced individually prescribed course. Professor Scott says the flexibility of this self-paced approach will increase productivity in the CAD lab since students will be able to schedule use of a terminal anytime during the calendar year.



Chris O'Connor and Cheryl O'Neal

— Steve Olivieri.

Markowski and Scafidi have outlined the curriculum in the self-paced course with the assistance of Professor Scott. Terminology, fundamental programming, and the basic use of the system will be taught first, followed by specific applications according to the student's major. The course culminates in a mini-project decided upon by the student. Scott recognizes the program as being similar to the plan — students choose exactly what they want from the course and then set out to learn.

MQP's are very popular in CAD. Most projects are involved with local companies such as Morgan Construction and the Jamesbury Corporation. Chris O'Connor and Cheryl O'Neal, both Seniors at WPI, are finishing their MQP with the Jamesbury Corporation. Their job has been to make two and three dimensional models of a family of six butterfly valves. The Computervision CAD system enables Chris and Cheryl to construct circles, lines, and other geometric figures on the cathode ray tube display screen (CRT) and make

(continued on page 10)

WPI Newspeak

The student newspaper of Worcester Polytechnic Institute

Volume 11, Number 10

Tuesday, April 26, 1983

JP/Spring
Weekend
April 29-30

Student petition presented at faculty meeting

by Greg Doerschler
Newspeak Staff

A petition signed by over 850 students opposing the procedure by which CAP Plan revisions were proposed was presented at last Thursday's faculty meeting in Kinnicutt Hall. The meeting, which was also attended by an overflow crowd of about 200 students, saw continued discussion of the Plan change proposal introduced by the Committee on Academic Policy (CAP) amidst a bizarre series of parliamentary procedure inquiries, motions, and motion clarifications. No vote was taken on implementation of the proposal, however another faculty meeting was scheduled for today at 4:00 P.M. in Kinnicutt Hall to continue discussion of the proposal.

The student petition was presented at the meeting by students Carole Gerardo and David Oliver. The petition recognized the effort of CAP, but affirmed belief that their proposal represented a "backing down" to ABET. It questioned the commitment of CAP and the administration to WPI's goals, and stated that "the educational, admissions, administrative, and operational implications of the CAP proposal have not yet been discussed enough." The petition therefore called for more discussions, negoti-

ation, open meetings and for CAP to withdraw its proposal.

In his presentation, David Oliver noted the fact that many faculty members disagree with statements made by the petition, but asked the faculty to "look beyond the specifics of the petition and focus in on the fact that it has been signed by 850 students who are concerned with the effects that the CAP proposal may have on our educational program at WPI."

Carole Gerardo noted that the petition effort is not affiliated with the Committee of Concerned Students (CCS) or any student organization, and has not been directed in any way by faculty members. She explained that 2/3 if the undergraduate population did not sign the petition because it was circulated by a random group of about ten people in only 3½ days, and that the entire student population could not be reached in this time. The petitioners themselves indicated that at least 85% of the students contacted agreed to sign the petition.

Regarding the Plan discussions at the meeting, Prof. Orr of CAP proposed that each item in the proposal could be considered sequentially and amended if so desired, and that a final vote would be by paper ballot. At the meeting, items in

the proposal which do not represent a change from our current program were considered and not amended, with one exception. The wording of the IQP was changed from a project relating "technology to society" to a project which relates "science and technology to society." Some students who attended the meeting were uncertain as to the

meaning of this change; whether each project had to relate both science and technology to society as a literal interpretation would suggest. Discussion of the remaining aspects of the CAP proposal and possible amendments to them before a final vote on the resultant proposal is expected to continue at today's faculty meeting.



Carole Gerardo and David Oliver.

— John Delaney.

DEC system facing overload problem

by Robert Eiermann
News Editor

According to Dean Grogan, an overload on the DEC-20 system at WACCC could result in a system crash. A crash is a term that describes the computer as inoperable until repairs are made on the DEC-20 to get it back on the line. Damages are incurred on the computer when too many users are logged in at one time. Repairs take from three to four days and during this time the computer cannot be used. Students must wait until after the repairs are completed; this wait may be disastrous for those having MQP's or IQP's on the system, especially as the project deadline draws near for this year.

The overload problem was first recognized last October of this school year. Use of the memory on the system was approaching the maximum capacity; if

the maximum had been exceeded, the system would crash and no one could use the computer for the duration of the repair days. It had been anticipated that these last three weeks of D-Term would be a period of unusually high use, thus, the operators at WACCC have been wary for these times. They have also installed added memory capability that was temporarily loaned by the Digital Equipment Corporation for free.

As for tackling the situation, Allan Johansen, Manager and Educational Timesharer of WACCC, believes that there must be a policy change made by the faculty. Word processing on the system is the culprit of the problem, not only tying up memory space but terminals as well. Johansen states that the decision as to what the computer is used for must come from the faculty and Deans.

If word processing is eliminated from the system, enforcement of the policy would be difficult. The computer cannot distinguish as to what is word processing and what is programming. Attendants at WACCC would have to go from terminal to terminal to determine what the student is doing. This would not be an effective means of enforcement because many students have their own terminal connected via phone line.

Both Johansen and Grogan do not foresee elimination of word processing as a solution. Dean Grogan sees micro-computers making their way into WPI within the next few years. While computers could be either bought or leased, each student would have his or her own personal computer. For project write-ups, floppy disks could record the report while a copy center would be made available by the school so that students

could make hard copies.

As for the feasibility of mini/micros at WPI, history has proven itself at other schools. At Clarkson University, personals are required either through a lease or a purchase. Carnegie-Mellon University has bought into IBM so purchase costs are kept down. Dartmouth College has also started an investment regarding micro-computers.

As for now, though, the DEC-20 and Univac systems are being solely depended upon. Seniors especially are discouraged to use the DEC system for their project write-ups. The computer system was not initially intended as a word processor and high demands may result in temporary loss of system capabilities. If this happens, those intending to graduate this year may find that they may not have an MQP/IQP to pass in before the final project deadline.

EDITORIAL

Don't abuse Mayfest

As May approaches, talk and excitement about Mayfest is heard and felt around campus. Everybody is trying to guess the date and plan ahead for the day. Only one thing is certain this year: we **will** have a Mayfest. Printed on the fourth page of this **Newspeak** issue are the guidelines to be followed this year. These guidelines were designed to protect your personal safety and the safety of others. If the entire campus obeys these rules, it will assure the continuation of Mayfest for ourselves and future classes. A day like Mayfest is a privilege that should not be abused; there is no official rule stating that the administration has to give us classes off so that we can enjoy a day out on the Quad. Therefore, we urge you to follow the Mayfest guidelines, respect the student **volunteer** security, and have a safe, enjoyable Mayfest.

Newspeak Office Hours

Monday 8-12 2-4
 Tuesday 8-10 1-4
 Wednesday 9-2
 Thursday 8-9 10-1 2-3
 Friday 8-3

Letters Policy

WPI Newspeak welcomes letters to the editor. Letters submitted for the publication should be typed (double spaced) and contain the typed or printed name of the author as well as the author's signature. Letters should contain a phone number for verification. Students submitting letters to the editor should put their class year after their name. Faculty and staff should include their full title. Letters deemed libelous or irrelevant to the WPI community will not be published.

The editors reserve the right to edit letters for correct punctuation and spelling. Letters to the editor are due by noon on the Saturday preceding publication. Send them to WPI box 2472 or bring them to the Newspeak Office, Riley 01.

Commentary articles reflect the opinions of the writer and not necessarily Newspeak.

Newspeak

(USPS 535-480)

The student newspaper of Worcester Polytechnic Institute
 Box 2472 WPI, Worcester, Massachusetts 01609
 Phone (617) 793-5464

features editor Kirsten Storm	editor-in-chief Steve Knopping	faculty advisor Kent Ljungquist
news editor Robert Eiermann	business manager Scott Schenker	advertising manager Maureen O'Brien
photography editor Dave Drab	circulation manager Ed Childs	associate editors Lisa Longwell Jack Nickerson Walter Plante
sports editors Marion Keeler David P. Tormey	graphics editor Carlo Verrengia	

STAFF

Debbie Allen
 Keith Agar
 Jeanne Benjamin
 Howard B. Bernard
 Howie Cyker
 Annamaria Diaz
 John S. Dranchak
 Greg Doerschler
 Paul Fortier

Samir Ghosh
 Joe Grimes
 Dan Jacavano
 Eric Langevin
 Jeff Lenard
 Larry Leung
 Jim Morton
 Daniel Mott
 Erin O'Connell
 Chris Scholl
 Jeff Twoomey

Steve Olivieri
 Chris Pappas
 Paul Rienzo
 Eric Schade
 Andrew Skinner
 Mark Skinner
 Geoff Strage
 Neil Sullivan
 Dave Wall

WPI Newspeak of Worcester Polytechnic Institute, formerly the Tech News, has been published weekly during the academic year, except during college vacations, since 1909. Letters to the editor must be signed and contain a telephone number for verification. WPI Newspeak subscribes to Collegiate Press Service, Collegiate Headlines, and National On-Campus Reports. Editorial and business offices are located in Room 01, Sanford Riley Hall at WPI. Copy deadline is noon on the Saturday preceding publication. Typesetting done by Laplante Associates. Printing done by Enterprise Printing and Graphics Company. First class postage paid at Worcester, Massachusetts. Subscription rate is \$10.00 per school year, single copies 60 cents within the continental United States. Make all checks payable to WPI Newspeak.

LETTERS

Student worried by CAP proposal

To the Editor:

I am a student at WPI and I am concerned about CAP's proposed changes in the WPI Plan.

It seems that right now the proposal has been accepted among the faculty as the vehicle which will improve the WPI Plan and satisfy ABET although there will almost certainly be amendments. I think it shouldn't have to be this way. I still think it might be best to reject the proposal altogether.

The main reason I say this is because the CAP proposal envisions a "worst possible" scenario with respect to interpreting ABET's comments. Because of this, their proposals represent a rather extreme vision of what ABET is asking us to do.

The original criticism of ABET's was that students are graduating from WPI without having completed very much basic science.

In subsequent letters ABET seems to have taken a harder line toward the WPI program. At Thursday's faculty meeting several speakers, referring to the last ABET letter, said it was the responsibility of WPI to ensure that all students who are graduated fulfill the minimum requirements of the ABET criteria. The reason the speakers never got more specific about what that meant was because the ABET letters themselves never got more specific. Having read the letters myself, I feel that it is not clear whether ABET was actually commenting on every phase of education at WPI or whether they were just reinforcing the idea that the science criteria needed to be met. Certainly ABET cannot require WPI to reform in areas that they have not directly criticized. Of course the CAP excerpts of this letter gave the above statement, underlining words like **all**, **minimum requirements**, and **ABET criteria**, thus reinforcing the interpretation they wished to promulgate — that WPI has to tighten ship in **all** areas. This is why I say CAP envisions an extremely pessimistic scenario.

There is a phrase which has popped up recently among several people against the CAP proposal, and I am very sorry that it has been used because I think it has been sorely misinterpreted. That phrase is "negotiating with ABET". As President Cranch ably pointed out, there is no negotiation with ABET — their criteria is set. I think what was meant was not "let us negotiate", but let us request that ABET define its concerns more clearly.

The ABET criteria recognize that innovative programs may not always be able to meet fixed quantitative measurements. In a recent conversation with a director at ABET I was told that ABET does not specifically require courses but does want to ensure that portions of an accredited program will cover specific areas. Is there some definition as to what is meant by meeting the ABET criteria **qualitatively** if not quantitatively? And are there areas of study other than the

basic sciences where ABET feels its criteria are not being quantitatively or qualitatively met? Does ABET expect us to answer to such weaknesses if specific concerns have not been stated?

With this information in mind, it seems that the request for a 15 unit graduation rule, a competency seminar, and a 10 unit distribution requirement cannot be justified as being necessary to fulfill the ABET criteria. Many people may believe that these changes are good anyway. I respect that. But they should not be passed under the presumption that "this is what ABET requires".

I personally do not like the 15 or 10 unit requirements. Although I probably will fulfill these requirements unconsciously anyway, I feel that such requirements will alter the outlook a student has upon his work. Under the present system, the motivation for taking courses is to attain a certain level of literacy. This then prepares one to complete practical objectives. These objectives are devised as degree requirements — Suff., IQP, MQP, Comp. By requiring a number of units, either for distribution or graduation, the emphasis is shifted toward course work, or (if you do an ISP) unit-work. That is different. What WPI requires from the students at present is literacy, not passing courses.

It is significant to note that in the minutes of its meetings CAP, by its own evaluation, stated that the proposal presently being considered was the most disruptive to the WPI philosophy when compared with some other alternatives.

I understand that there is and always has been much controversy over the Plan, how well it is working, what its weaknesses are, and what might be done to improve it. I also understand the urgency of trying to meet ABET's criteria so that WPI will remain accredited. But I ask the faculty to not let that sense of urgency be used to pass proposals which do not properly address the ABET issue. If there are issues on the Plan outside of the immediate concern of getting ABET accreditation, they should be settled in a different environment.

Which brings me to a final recommendation: If the faculty does in fact perceive that WPI is not bound by ABET to change anything but requirements for basic sciences, then act on that issue only. Other concerns not explicitly stated by ABET can be dealt with in another setting. I recommend a "retreat" of sorts where a broad cross section of faculty members, students, and administration can speak on equal footing. Without the pressure of having to get something "solved" they can state opinions, vent emotions, debate issues, and gain a bit more respect and understanding for each other.

The retreat could run parallel to Spree Day and each representative could put in 2 or 3 hours of time.

(continued on page 4)

L-5 Society proposed for WPI

To the Editor:

This letter is directed to those in the WPI community who believe that mankind should be developing space. I propose the exploring, exploiting and establishment of a space development advocacy group on campus. I will not try to convince anyone of the opportunities that the high frontier holds. I would like to hear from those of you who know that man belongs in space.

The group would have an information-gathering function. Speakers from the group would promote space by giving professional quality presentations to on and off-campus organizations. We would provide news releases to the campus and community newspapers.

When our support is needed, we will promote the passage of pro-space legislation.

In short, I propose the establishment

of an educational resource and space advocacy group. I believe association with a national organization (I suggest L-5) would be advantageous, easing the job of information-gathering, joining the coordinated political pressure of such a group, and giving us a conduit to nationwide distribution of our ideas.

You will determine the direction that our group will have if we will start an L-5 chapter, an independent organization, or associate with another national organization.

I ask you to contact me at Box 2119 or DEC-20 ETHORESEN, or via the Science Fiction Society, Box 2119 or CLUBS.SFS on the DEC-20. I'll stay in touch with you via **Newspeak** and the CLUBS bulletin board. I tentatively plan on meeting with you early in September.

— Eric D. Thoresen, '85

COMMENTARY

Life in Suburbia: Television tells all

by Neil Sullivan
Newspeak Staff

Recently, due to circumstances beyond my control, I have had an extraordinary amount of time to watch television. Huddled amidst old Spencer Tracy movies and "M*A*S*H" reruns is a perspective of American life not truly available anywhere else. Of course, I am talking about TV commercials.

Middle America is cursed with cats that will not eat canned cat food, bathrooms that do not smell nice, floors that will not shine, and nosy neighbors that can find even the smallest spec of dust and grease. The typical suburban mother is depicted as a woman who spends all morning dancing about the house cleaning while she searches for the best ways to make her floors shine and spends all afternoon finding the perfect meal for everyone in the family.

sions that face America today. Which will make your kids' underwear whiter: Snowy or Final Touch? Which makes your hands younger looking: Palmolive or Ivory? Which tastes better: Coke or Pepsi? Which is softer: Charmin or Scott? Does light beer taste better or is it less filling? Are Frosted Mini Wheats tasty wheat or nicely sweet? The list is endless.

By and far, my favorite commercials are the ones that hard sell. "How much would you pay for the butcher knife, the meat cleaver, the potato peeler, and the steak knives? But that is not all! If you act now, you also get this handsome digital quartz watch with the sing-a-long alarm. Now how much would you pay? All this is yours for only \$19.95! But wait. If you order within two weeks you also get these pots and pans, this fine china, this Waterford crystal, and this color TV! Would you believe that it is still only

FROM THE CLOSET

Fortunately my mother was never cursed with either problem. She found the perfect solution. If we did not like the way the floors shined, she handed us a mop, and if we did not like dinner, we did not eat. (If the dog did not like Gaines Burger — too bad for the dog.) Usually, however, the family does dine on edible food. There are exceptions, though. Once a year we are all treated to oyster stew on Christmas Eve. It is delicious if you like oysters (the liver of seafood) in warm milk. On such occasions a peanut butter and jelly sandwich after dinner helps to quiet an otherwise empty and inquisitive stomach.

The typical suburban father, now, is one who is so uncoordinated that he cannot start a barbecue grill and who worries night and day how to get the lawn its greenest. A half can of lighter fluid ensured the success of every barbecue, and a dozen pre-teenage neighborhood kids spelled the fate of our lawn. Believe it or not, despite the dead grass and the dirty floors, the neighbors still talked to my parents.

Just think of all the important deci-

\$19.95? And if you mention this commercial you also get the cooking fork, the house in Beverly Hills, the handsome salt and pepper shakers, the trip to Acapulco, and this seventeen album set of the complete history of country music. All for \$19.95."

I have, given this wealth of knowledge of our culture, developed a plan for world peace. Give each country in the world one of these mind boggling problems to tackle. Each country will, of course, find the problem insurmountable. Funds previously used to develop nuclear warheads will be diverted to discovering which designer jeans are the tightest, which cold remedy lets you sleep best at night, and which perfume will get the most men lined up outside your bedroom door. Naturally, the toughest problem would be given to Russia. The USSR would be faced with the most complex question facing our society today: which feminine protection is really best? Hidden among the doctor-designed features, mini-thins, and maxi-thicks lies the answer to nuclear proliferation of the world.

The Mayfest mystery

by David F. Wall
Newspeak Staff

As D-Term wears on, the thoughts of WPI students turn not only to spring, the thought of getting out of this madness, and a few other things, but to an event we've all come to cherish. They call it Mayfest now, though it used to be called Spree Day. In any event, it's a slight lull in the madness, and it is something we all need when it arrives.

The event acquired something of a jaded history in recent years. The release of pent-up tensions on that day tended to get a little more rambunctious

shirt.

This ought to be remembered, while you're out double-fisting it in the Quad from your cans (no bottles, please). Nothing good in this life is free. Somewhere, someone is making it work.

It's a bizarre sort of thing. I mean, people all over campus go to bed dreading the thought of sitting through yet another lecture by Professor Somebody in the midst of the only tolerable weather Worcester gets all year. And there are the dreaded end of the term rushes coming up, when no one goes to bed and no one eats and

OUT OF TURN

than the powers-that-were appreciated, with things coming to a head over just anyone walking onto campus and getting drunk and wrecking things. The day was a privilege of Tech students, and some of the things that went on were not the privilege of any person at all.

That almost ended things right there. After all, we can't have this sort of thing going on. It will ruin the reputation of the school, they said. But a fight was put up, and Spree Day lives, under the name of Mayfest.

It is not a completely unorganized binge, you understand. Even complete chaos has to be planned by somebody. DAKA has to be forewarned so that they can be ready to put on their quasi-cookout special. Acts have to be lined up. Lens and Lights has to be warned, so they can drag themselves out of bed and make loud music on the Quad. And Campus Police has to be warned, too, so that there is a little law among the disorder. Not to mention the security volunteers, who stand vigilantly by and keep the unwanted out for a Mayfest T-

everyone has a haunted look in their eyes, thinking none of this is ever going to really end.

Then, for those of you with the strength to get up, there is a marvelous surprise. As you stumble to the shower, or wherever, you notice a poster proclaiming the arrival of Mayfest. Break out your Frisbees. Tell your friends. Or go back to bed, if you want, although that may be difficult once L & L winds up, ringing in the morning with a hundred and fifty decibels of J. Geils.

And the fog goes away for a little while. You don't have to go to class, unless some insidious professor has insisted that you do so beforehand. You don't have to sit through lecture, go to lab, or sit around being depressed at the demise of a brilliant career.

So when it finally arrives, get ready to enjoy yourself. Be happy. Don't get so happy that no one else can stand you, but get happy. It's been a long year, campers, but we have survived, and for those of us not going on to graduation and the real world, Mayfest is part of our reward for having done so.

Newsbriefs

U.S. EMBASSY BOMBED

compiled by Mark Skinner
Newspeak Staff

A powerful bomb ripped through the U.S. embassy in Beirut last Monday, killing 47 persons and wounding nearly 100 others. Six Americans were killed in the blast which caused the seven story structure to collapse. A caller from a Pro-Iranian Lebanese Moslem faction claimed responsibility for the blast, which was apparently caused by a bomb in a truck. Reagan condemned the attack as a "vicious, cowardly act", but went on to pledge to continue efforts at finding Mideast peace.

In the latest development over the controversial MX missile, Reagan has proposed basing 100 of the 10 warhead missiles in reinforced existing Minuteman silos. In addition he is calling for the development of the new smaller single headed missile, the Midgetman, to be deployed in the 1990s.

Officials in Sacramento, California filed a \$40 million lawsuit against 31 defendants who owned, operated, or disposed of toxic wastes at a local dump. The money would be used to completely clean-up the area which is currently seriously threatening local residents' safety.

The FBI caught three Soviet officials in the act of trying to acquire certain military and political secrets last Thursday. They ordered two expelled from the country and allowed the third to leave voluntarily. U.S. officials stressed

that this action was not a retaliation, but merely due process when "someone gets caught with their hand in the cookie jar".

The Massachusetts House and Senate approved Gov. Dukakis' plan for delaying half of Proposition 2½'s tax cuts. This means more state aid will be available for towns and cities next year and local taxes will also generate more income.

A fire raced through an apartment house last week in downtown Worcester, killing 7. The fire was apparently started by careless smoking by one of the residents. Because many of the tenants were formerly in mental institutions, several investigations have been started examining release procedures and half-way houses.

The Gross National Product grew at an annual rate of 3.1% the first quarter of 1983. The index measures the total national output of goods and services and the jump is the biggest in about 2 years. Experts stated that this was another indication of continued economic recovery.

An 11-year-old boy was crushed to death in an electric hospital bed. The bed can be raised to comfortable level electrically to allow doctors to work easily and lowered back onto its box spring at night. The boy was apparently playing between the two layers and got squashed. He was the third person to die that way in less than 15 months. The FDA is investigating.



CPS
THE LAMP SHED
VINCE BRAD

Engineering Physics comes to WPI

by John S. Dranchak
Newspeak Staff

The Physics Department has initiated a program in Applied Physics, or Engineering Physics, for WPI undergraduates. In this program, students whose primary interest and major is in physics will be able to specialize in various engineering subspecialties and to acquire an engineering component in their educational background beyond that of the usual physics major. The degree designation for the participants in the program is expected to be "Engineering Physics" rather than "Physics". In this article Dr. Klein, Physics Department Chairman, was asked to give WPI students a brief description of the program and also to answer some typical questions the students may have regarding this program.

Q: Dr. Klein, what is the motivation for this program?

In the 1930s, those Physicists who satisfied their curiosity about semiconductors were primarily interested in understanding the laws of nature, but gave little thought to its possible application. We, who live a generation later, are surrounded by the consequences of their work: transistor radios, color television, hi-fi, computers, worldwide real time communications. This all was made possible by the people who took basic physics and developed it into something practical.

In addition to the scientist whose primary goal is to push back the boundaries of ignorance, there is a serious need for physicists trained in applying the laws of physics to practical problems of industry. The people who are able to do this best are those who have a good foundation in fundamental physics (the physicists) and, at the same time, have a somewhat technological training in areas of engineering. It is in order to combine these two qualities in the right individual that the Physics Department has introduced its Engineering Physics Program at WPI.

Q: Could one specialize in Engineering Physics at WPI previously?

Yes. With the flexibility of the Plan, some of our Physics faculty had previously advised students to embark upon a curriculum very similar to that proposed by the Engineering Physics program, and those students have successfully completed such programs. However, the program was not for-

malized before, whereas now it is. Formerly a student interested in Engineering Physics had to discover it for himself, and had to find the appropriate advisor. Now the program is presented to the students in the Catalog, students can think about it, and hopefully many will become interested. Furthermore, students who had combined such a curriculum before received their degree designation in Physics, whereas now it will be designated as Engineering Physics. Hopefully, the Engineering Physics designation will make the students more desirable to high-technology industry because of their special training.

Q: What kind of student is this for?

For those students who are interested in working in a high technology industry after they have obtained their B.S. (or possibly M.S.) degrees. It is also recommended for students whose long range goal is to obtain a Ph.D. in Applied Physics. However, it is not recommended for those intending to continue on to graduate school in one of the traditional physics programs.

Q: How would it affect the students' basic preparation?

The basic elementary program of the student majoring in Engineering Physics will be very similar to that of the Physics student. It is only in the advanced material that the program would differ, with Physics majors concentrating primarily on material associated with fundamental physics, while Engineering Physics majors will have components of engineering in their curriculum at the expense of their fundamental physics preparation.

Q: How would these programs affect the Competency Exam?

This is a question to which a great deal of thought has been given by Professors Jaspersen, Walther and Weiss of the Physics Department who put a great deal of effort into making this program practical for the students.

The Physics Competency Examination given in the past consisted of two problems involving only Physics. In our EP program the Competency Examination will have two components, one on the Physics section and another on the Engineering specialization. Students who major in Physics rather than Engineering Physics will have more advanced Physics in the second part of their Competency Examination. At the

(continued on page 10)

GREEK CORNER

Alpha Chi Rho

The Fraternity of Alpha Chi Rho's annual Night in Cai Rho was recently celebrated. It was a successful and enjoyable evening for all in attendance.

Alpha Gamma Delta

Congratulations to the new officers of Alpha Gamma Delta. Good luck to: Lee-Anne Charbonneau, president; Juli Bussell, vice-president fraternity ed.; Marie Ristuccia, vice-president scholarship; Kris Ryding, treasurer; and all other new officers!

The sisters of Alpha Gam will be sponsoring an M&M candy sale. M&M's will be sold at various events throughout D-term. Keep a watch out because it's coming soon!

KAP

The Brothers of Phi Kappa Theta would like to congratulate its newly initiated brothers.

The new brothers were formally inducted last Wednesday, the 13th. The ritual was held at St. Paul's Cathedral in Worcester. Many alumni showed up to participate in the ceremony.

Along with the 26 students, Prof. Majmudar, the EE department head, became an honorary brother.

CAMPUS CAPSULES

New Campus Hearing Board Elected

Results from the Campus Hearing Board elections are in. The following candidates have been selected as the new student members of the Campus Hearing Board:

James F. Ball
Beth A. Dupell
Teresa A. Moruzzi

The following candidates have been selected as alternatives to the board:

Paul B. Grautski
Donald C. Letson, Jr.

In addition, the following faculty member has been selected to serve on the board:

Prof. Patrick P. Dunn

Management Department Comps

Management Department May Competency Examination Registration Deadline: Friday, May 6, 1983, at 4:00 p.m. Certificate of Eligibility Forms are now available in the Management

Office.

The fraternity attended a celebration dinner on Sunday night. Initiated were: Rick Boosey, Steve Graveline, John Pacheco, Jim McKay, Bob Soares, Dave Day, Mike Kelly, Eric Nelson, Rich Amico, Scott Vallee, Lance Hall, John Dahill, Schott Eliithorpe, Chuck Kenyon, Jim Pewarski, Paul Vitali, Dave Sledzik, John Joseph, Mike Savage, Jeff Fuller, Gordon Walker, Kevin Lynch, Pat Sacco, John Keating, Brian Dodge, Bob Condiff.

NPC

The WPI Panhellenic Association has completed its elections for the 1983-84 academic year. New officers are:

Lisa LaChance	President
Chiara Whalen	Vice President
Mary Park	Secretary-Treasurer
Stephanie Ford	AGD Delegate
Carrie Thompson	DPE Delegate
Diana Sauer	PSS Delegate

Panhel is looking forward to a year of growth and increasing campus activity. Congratulations to the new officers.

Tau Kappa Epsilon

We would like to congratulate Bill Leary, Steve Gilardi, and Steve Olivieri, our 3 second semester pledges, for having completed their Help Week.

The sewer party is coming!

Concert

The WPI Women's Chorale is holding its annual Spring Pops Concert on Friday, April 29, at 7:30 in Higgins House. The Chorale will perform many of the pieces which they performed at competition this year. Also featured singers include:

"You'll Never Walk Alone" (Rodgers and Hammerstein) — Denise Ann Kuenzig.

"And This Is My Beloved" (Robert Wight, George Forrest) — Pearl Lin.

"The Sally Gardens", "O Mio Babbino Caro" (arr. Benjamin Britten, Puccini) — Stefanie Ford.

"I Believe" (Drake, Graham, Shirl, and Stillman) — Susan Godbout.

"Perhaps Love" (John Denver) — Elaine Kokernak, Leslie Rooney.

"Behold, Bless Ye The Lord" — Donna Crosier, Patricia Bray, Jennifer Udall, Julie Simanonok.

All are invited to attend this event.

MAYFEST GUIDELINES

1. Notification will take place early in the morning by PRINTED posters.
2. The campus will be cordoned off early in the morning. No cars will be allowed on the Quad.
3. Students should bring ID's and are allowed one guest who also has identification. Consortium college ID's will be accepted for admittance, but are not allowed guests.
4. Student security and Campus Police will check ID's at the entries.
5. No bottles or kegs are allowed. Coolers will be checked for bottles. Bottles found on the Quad will be confiscated.
6. Live on-campus entertainment will be from 10:00 a.m. to 2:30 p.m.
7. Daka will serve lunch (barbeque sausage, hamburgers, hot dogs, corn on the cob, potato salad, etc.) for meal plan participants and for \$3.50 for those who wish to purchase lunch, and dinner (beef-kabobs, chicken, Greek salad, rice pilaf, etc.) for meal plan participants and for \$5.50 for those who wish to purchase dinner on the Quad.
8. The Pub and Game Room will not be open the evening of Mayfest.

Barlow named outstanding student

Cadet David A. Barlow, a WPI Junior, will receive the Society of American Military Engineers (SAME) award recognizing him as an "outstanding Engineering Student of the Year" in Army ROTC. This award is presented annually to 20 cadets nationally in their junior year. Cadet Barlow was recommended by Dean Grogan and LTC Carney, Professor of Military Science. Cadet Barlow is also a member of Tau Beta Pi National Engineering Honor Society, President of the WPI Rifle & Pistol Team, the 1982 Massachusetts State Junior Air Pistol Champion and a member of the WPI Stage Band and Jazz Ensemble. In Army ROTC extra-

curricular activities, he is also a graduate of the Airborne School at Ft. Benning, Georgia, a member of the Recondo (Adventure Training) group, and in 1981 was the recipient of the Sons of American Revolution annual award for overall excellence in ROTC as well as an ROTC award for service in his sophomore year. David, a four year ROTC scholarship student, will receive the SAME Award at the annual Military Science Department Awards Ceremony scheduled for 4 p.m., Friday, April 29th in Kinnicutt Hall. Dean Grogan cited Barlow in his recommendation as "one of the very top engineering students at WPI..."

... Worried student

(continued from page 2)

In criticizing this idea, one administrator felt that the students would not be willing to get involved in such an event. But I think that after the overwhelming response in the petition effort of last week the students have demonstrated that, given a vehicle through which their

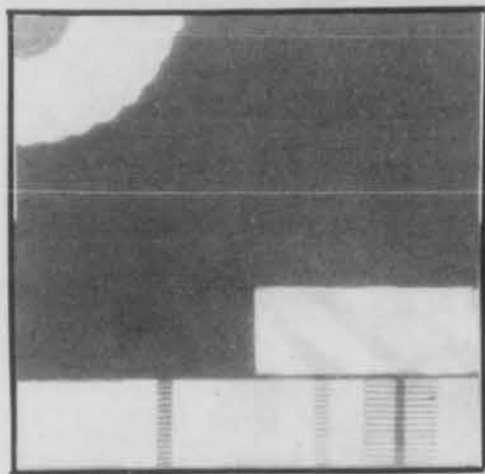
voice could be heard, they will state their opinions.

If we are going to make changes which may alter the philosophy under which WPI operates, it is important that everyone's opinion be considered.

— Carole Gerardo '84

ARTS AND ENTERTAINMENT

Album Reviews



Pink Floyd "The Final Cut" Columbia

by Sam Nejame
Newspeak Staff

Pink Floyd has a new release out entitled, "The Final Cut". Like all of Pink Floyd's works, the sound and engineering quality put into this album are excellent. The lyrics are archetypically frightening and morose, sung with such pain that one wonders how such sensitivity can still come from the successful money-making machine that is Pink Floyd. "The Final Cut" is indeed a concept album, the title referring to suicide. This is ironic when you realize many people have committed suicide or have contemplated it while listening to Pink Floyd. Take, for example, "The Wall": a pleasant story?

This album tends to lack the drive and power of "Dark Side of the Moon", "Animals", or "The Wall". Unlike those releases, "The Final Cut" misses the solid traumatic framework which makes their earlier successes so potent. The beauty of Pink Floyd's music has always been the presentation of a strong traumatic framework which allows the listener to crawl inside that dark Floydian vortex and become a part of the story. The music becomes so much more convincing; Floyd's characters come alive. Unfortunately, "The Final Cut" lacks a sufficient story outline, and even the ardent listener will find it difficult to extricate a harmonious theme. What main ideas were immediately decipherable focused on the end of WWII, the postwar world, and its "postwar dreams". There are many illusions here, from present day politics, nuclear war, and Floyd's past works: "The Dark Side of the Moon", "The Wall", to a man I assume was Water's father (Eric Fletcher Waters) to whom the album is dedicated.

As was done in "The Wall", Waters raises questions as to whether the individual, the true individual, can survive in today's society, or how society, like an enormous machine with biting

gears, grinds its children into an adult product. He implies that the U.S.A. and the industrial countries of Europe are in a frantic rush to catch the Japanese in their methods of production (human production). The album begins with Waters almost in tears, singing to Margaret Thatcher.

"Tell me true, tell me why was Jesus crucified
Is it for this that daddy died? . . .
And it can't be much fun for them
beneath the rising sun
with all of their kids committing suicide
what have we done, Maggie, what have we done to England?"

There are many other allusions buried in the mix of this disk. During a song called "Southampton Dock", Waters sings about Fletcher, and in the background is heard the distant call of sea gulls. I entertained machinations that this was in reference to Fletcher gull from *Jonathan Livingston Seagull* but found little more information to substantiate this, although it would add a gleam of hope to an otherwise truly painful listening. The album is a moving experience in human tragedy. Although it will never outsell their more lucid works, this disk will remain an incredible enigmatic musical statement.

Roxy Music "The High Road" Warner Bros.

by Sam Nejame
Newspeak Staff

This live, four-song, twenty-seven minute E.P. from Roxy Music is the most refined live recording I have ever heard. They probably recorded it in Phil Manzezera's basement, dubbed in a crazed audience at the beginning and end of every track, and then released it as a live performance recorded in Glasgow, Scotland. Who goes to Scotland, anyway?

If ever a group has found a perfect sound and stance it is the 1980's version of Roxy Music. Roxy Music is one of the most influential bands in rock's history. If you ever get bored with the already aging new wave, borrow the first Roxy Music album from an audiophile.

The strangest thing about this disk is Roxy's rendition of Neil Young's electric love song, "Like a Hurricane". It is a truly magical song, but I was very weary in putting it on my turntable. But it was in fact the high point of the album. Ferry sings beautifully over the bass, sax and synthesizers.

Roxy music remains the romanticist's rock band. They will be playing at Boston University's Walter Brown Arena May 27th. Bring your lover.

Spectrum presents Animation Canada tonight

CINEMATECH is honored to present, as its final program of the year, "Animation Canada" consisting of work produced by the National Film Board of Canada and Societe Radio-Canada. Programmed by the Film Office of the Canadian Consulate General in Boston, this 80-minute show will give the people of Worcester County an opportunity to see the latest in animation techniques and the diversity in subject matter. This is a field in which Canada has been and is preminent. The feature attraction, "Craci" is the winner of the 1982 Academy Award Oscar and will be seen here for the first time. The program is free to the public and is recommended for people of all ages. We are greatly indebted to David Pfeiffer, Film Librarian of the Canadian Consulate in Boston, for arranging this splendid program.

— Bernard H. Brown, Dean of Students
Minnie G. Levenson, Film Consultant

The Sound Collector, 1982. Director: Lynn Smith, NFB. A six-year-old boy has an unusual hobby — he collects sounds. His ear and vivid imagination transform household noises into marvelous fantasies. Cutout animation with colored inks and paint on glass are used to illustrate the fantasy sequences.

Jeu de Coudes, 1979. Director: Paul Driessen, SRC. About the struggle of people to live and to elbow their way up the social ladder. Cell animation. Won First Prize at the 1981 Zagreb Festival.

The Sweater, 1980. Director: Sheldon Cohen, NFB. Quebec author Roch Carrier recalls the passion for playing hockey in rural Quebec. Cell animation. Award at 1980 Ottawa Animation Festival.

E, 1981. Director: Bretislav Pojar with Francine Desbiens, NFB. "E" under the guise of a pretty fairy tale makes a strong political statement about a dictator and



THE PROGRAM

Getting Started, 1979. Director: Richard Condie, NFB. The hero attempts to practice on the piano. Distractions delay him and when he finally plays, pandemonium breaks loose. Cell animation.

Top Priority, 1982. Director: Ishu Patel, NFB. This film suggests that "top priority" means different things to governments and to the governed. Award winner at the 1982 Ottawa Animation Festival.

his unfortunate subjects.

Luna, Luna, Luna, 1981. Director: Viviane Elneave, NFB. A child sleepwalks into the forest and soon the real forest and the imaginary one dissolve into each other. Award at the Zagreb Animation Festival.

Craci, 1982. Director: Frederic Back, SRC. The film traces the evolution of Quebec society through the life's journey of an old rocking chair, lovingly crafted by a Quebec farmer many generations ago. Winner of the 1982 Academy Award for Animated Film.

MBA at UNION

Schenectady, New York

Students serious about their long-term career know they need to impress their next employer. They also value an education that allows them to grow into top levels of management. The MBA Program at Union College offers a balance between valuable entry level skills and a broad perspective of the managerial process.

At Union students are encouraged to acquire some depth in an area of interest to them. Within the Private Sector MBA they choose from concentrations in Management Planning and Control, Production Management, International Management, and Computer Information Systems.

The core in Health Systems Management, one of a handful of accredited programs in New York State, prepares students for an exciting career in the expanding field of managing the nation's health services.

Consider the MBA at Union. You may qualify for a partial tuition waiver or for a graduate assistantship with a full tuition waiver and a stipend. GMAT scores, a good undergraduate GPA and three recommendations are required for admission. We want to make it possible for good students to attend a small, high quality program without regard to their financial means.

For information write or call (518) 370-6235
J. Schmeel, Director
Institute of Administration and Management
Union College, Schenectady, New York 12308

Last round for the award of stipends is May 31, 1983.



is a question a lot of young people in high school and college are asking. Then, even if you get the finest college degree, where can you use it meaningfully? Perhaps the answer lies in becoming an Air Force officer through Air Force ROTC. We have many different career areas in which specialists of all kinds are needed. And as an Air Force commissioned officer you can have unequalled opportunity for leadership and management experience, plus an excellent starting salary and benefits package.

Consider Air Force ROTC as a gateway to a great way of life for you. Find out about the benefits of a four, three or two-year scholarship that pays \$100 a month, tuition, book costs and lab fees. Couple that with what will be waiting after graduation, and you have the answer to what you've been looking for.

WHAT TO DO AFTER COLLEGE . . .

Contact:
Major Ed Osman
at 793-3343



Gateway to a great way of life.

Justice Dept. tells Education Dept. to quit draft law for now

WASHINGTON, D.C. (CPS) — The U.S. Dept. of Justice has warned the U.S. Dept. of Education to stop even going through the motions of making male financial aid applicants swear they've registered with the Selective Service.

In what one source called a "strongly worded" statement, the Justice Dept. says any further Education Dept. efforts to require young men to register might violate a preliminary injunction issued last month in Minneapolis linking military registration to federal financial aid.

In that ruling, U.S. District Court Judge Donald Alsop said the law may violate students' protections against self-incrimination, and enjoined the government from enforcing the law until the full case against the government is heard this July.

Until the recent warning from the Justice Dept., however, Education officials have been assuming Alsop's injunction applied only to his federal court district in Minnesota, says Dept. of Education spokesman Duncan Helmrich.

But Justice attorneys now are concerned that any efforts to implement the law may violate the Minnesota injunction.

Helmrich declined to comment on the warning until he receives "official word" from Secretary of Education Terrel Bell.

But the Los Angeles Times reports that as a result of the warning, the Dept. of Education will send letters to over 6,000 campus financial aid officers around the country to advise them they no longer have to worry about certifying that aid applicants have registered for the draft until the Minnesota case is decided.

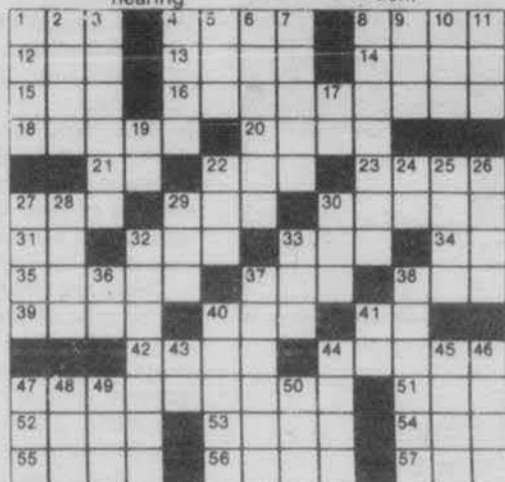
Crossword Puzzle

- ACROSS
- 1 In music, high
 - 4 Part of a door frame
 - 8 Malay canoe
 - 12 Expire
 - 13 Sandarac tree
 - 14 Hindu queen
 - 15 Lair
 - 16 Weather instrument
 - 18 Obstacles
 - 20 Proceeds
 - 21 Compass pt.
 - 22 Obscure
 - 23 Doctrines
 - 27 Skill
 - 29 Took a gold medal
 - 30 Simpleton
 - 31 SA's neighbor
 - 32 Rover, for one
 - 33 Exist
 - 34 — what!
 - 35 Name
 - 37 Part of a circle: Abbr.
 - 38 Greek letter
 - 39 Arrow poison
 - 40 Gave food to
 - 41 Article

- 42 Border on
- 44 Omens
- 47 Declaration
- 51 Be indisposed
- 52 Length of a step
- 53 Tan color
- 54 African antelope
- 55 Matured
- 56 Pierce
- 57 Organ of hearing

- DOWN
- 1 Says further
 - 2 Hold on property
 - 3 Occupant
 - 4 Pokes
 - 5 Macaw
 - 6 Border
 - 7 Besom
 - 8 Hold chair of authority
 - 9 Rodent

- 10 Number
- 11 Ventilate
- 17 Pronoun
- 19 Earth goddess
- 22 Speck
- 24 Yes, in Madrid
- 25 Majority
- 26 Portico
- 27 One opposed
- 28 Shower
- 29 Tiny
- 30 A Gershwin
- 32 Having folds
- 33 Succor
- 36 Tellurium symbol
- 37 Emulate Dick Tracy
- 38 Occupy
- 40 Smokes
- 41 Three-toed sloth
- 43 Exist
- 44 Blunt end
- 45 Columbus caravel
- 46 Calumniate
- 47 Resort of sort
- 48 Label
- 49 High card
- 50 New Deal agcy.



(answer on page 12)

DANIELS 5th



Rifle and Pistol Club

by Christine Olson
Newspeak Staff

Refounded in 1971, the Rifle and Pistol Club has maintained an average membership of 150 each year. Many of its members have become excellent marksmen in the past twelve years. It has had teams in the top seven nationally, in the Northeast Collegiate which also includes MIT, West Point, Annapolis, the Coast Guard Academy, and the Air Force Academy. The club's advisor, Professor Walter Kistler, is himself a well-known shooter throughout New England.

The purpose of the Rifle and Pistol Club is to promote safe and proper handling of firearms and to foster competitive target shooting at local and collegiate levels.

The Club is open to all WPI students and provides firearms, ammunition and instruction in the proper use of pistols. The firing range is open Monday through Thursday, 7-9 p.m. and Saturday, 12-4 p.m. It is located in the basement of Alumni Gymnasium next to the weight room.

PE 1000 credit is available for those who join B or C term and qualify. To qualify a member has to take a safety course, fire a certain number of practice courses, and participate in several Worcester County League matches.

Wireless Association

by Jeanne Benjamin
Newspeak Staff

The Wireless Association was founded in 1909. They have a faculty

advisor, Prof. Fred Looft from the EE Department, and there are approximately 30 members in the Association at this time. The group usually meets three or four times each term — the day varies with the schedules of all the members and is arranged so that most members can attend. Presently the dues are 4 dollars for members owning amateur radio operator licenses and 2 dollars for those without one. The reduction and/or elimination of dues is being proposed for next year.

The Wireless Association is active from September through May, but during the summer their station is still open to members. The only two requirements for membership are that one must pay the dues, and attend at least one business meeting each term. Thus, the member's level of activity is the person's own choice. Anyone interested in radios may join the Wireless Association. Non-licensed people can take the necessary classes at no cost and receive an amateur license, but it is not required.

The group maintains a fully equipped amateur radio station on campus which is open to all members. This station is used for radio contests at different times throughout the year. This is where they try and contact as many stations in as many different places in a limited time period. These marathons frequently involve a lot of refreshments and pizza, but very little sleep because these contests usually run 36 hours straight. It is not mandatory that members participate in these extra activities. The Wireless Association also operates a "Message Fair" each year which enables WPI students

to send messages home free of charge. The group also goes on trips to other nearby amateur radio stations, radio flea markets and conventions. The Association even held its own flea market this year in the Wedge, and is considering

The present officers are Bob DeMattia — President, Keith Ruskin — Vice President, Ron Rappel — Treasurer, Carl Benda — Secretary, and Paul Williams — Station Engineer. Elections

are conducted each year in May, so new officers will be elected for next year in the coming weeks.

People who are interested in the Wireless Association can contact the group through the Wireless Associations Club mailbox, Box 2393, through any member, or by attending any of their meetings. These meetings are usually advertised around WPI by poster and publicized on the Campus TV Bulletin Screens.

THE LOWEST PRICES ON TODAY'S BEST SELLERS

STRAWBERRIES RECORDS AND TAPES

- PHILIP GLASS \$5.99 LP/CASS. **The Photographer**
- PATRICK SIMMONS **Arcade** \$5.99 LP/CASS
- EDDY GRANT \$4.99 LP/CASS **Killer on the Rampage**
- ULTRAVOX \$4.99 LP/CASS **Quartet**
- STOMPERS \$5.99 LP/CASS **The Stompers**
- THOMAS DOLBY \$5.99 LP/CASS **The Golden Age of Wireless**

Sale Prices thru 4/30/83

WORCESTER • 10 FRONT ST • AUBURN • 390 SOUTHBRIDGE ST • SHREWSBURY • WHITE CITY SHOPPING CENTER • LEOMINSTER • SEARSTOWN MALL • FRAMINGHAM • ROUTE 9
REMEMBER AT STRAWBERRIES THE TAPE NEVER COSTS MORE THAN THE RECORD!

UGLY MAN ON CAMPUS NOMINEES



Tom Huckman

— ATO.



Gary Smith

— Freshman Orientation Leaders.



Jeff Horowitz

— FIJI.



Steve Wheaton

— Lens & Lights.



Mike Thorn

AGD.

Red Cross Blood Drive

Sponsored by the Commuter Association.

REGISTRATION:

April 27, Wed., 11-2
April 28, Thurs., 11-2
April 29, Friday, 11-2

IN THE WEDGE

THE DRIVE WILL BE HELD ON THURSDAY, MAY 5TH

U.M.O.C. Photos by Dave Drab

An A.P.B. for U.M.O.C.

by Jeanne M. Benjamin
Newspeak Staff

It is that time of year again when one lucky man has the dubious privilege of being dubbed the Ugly Man on Campus. The contest is run by Alpha Phi Omega fraternity, and this year freshman Maureen Mullarkey is in charge of the necessary arrangements.

There was a nomination fee of \$10.00 for each entry, and this year there are five contestants. The Ugly Men are Senior Mike Thorn, who was nominated by AGD, freshman Tom Huckman of ATO, sophomore Gary Smith is the Freshman Orientation Leaders' nominee, Junior Jeff Horowitz of FIJI, and

Junior Steve Wheaton, who was nominated by the Lens and Lights Club.

Voting will take place April 25-29, Monday through Friday, 11 a.m. to 1 p.m. in the Wedge, and Saturday, April 30 from 10 a.m. to 2 p.m. on the quad. There will be a small fee to cast a vote, and all money collected will go to the Charity of the U.M.O.C.'s sponsors choice. Last year's winner was ATO brother Chris Caviglioli, and the fraternity made their donation to the National Kidney Foundation in care of Dadi Ding.

Everyone is urged to participate in the voting process to help raise money for a worthy cause, and solve the mystery of who is WPI's 1983 Ugly Man on Campus!

SPORTS

WPI Rugby remains undefeated

by Don Letson

The WPI Rugby Club continued its winning ways last weekend by sweeping three tough games. On Sunday, April 17th, the A and B sides rolled over a tough Norwich Club by scores of 16-3 and 33-0, respectively. The C-side also won a decisive 15-0 victory over Framingham State College.

The A-side, seeking to avenge a physical loss to Norwich last fall, came out hitting hard. The Zuccolillo Brothers, Carlos and Rolando, were an overpowering force behind the WPI scoring attack. Carlos set up the first try by breaking through the Norwich defense and passing off the scrum-half Bill Michaud who put WPI on the scoreboard. Rolando took advantage of a blocked kick to give WPI its second try. Pete Wrabel topped off WPI's scoring by outmuscling the Norwich forwards. Norwich's lone score came from a penalty kick midway through the first half.

The B-side again played an outstanding game, defeating Norwich 33-0. The WPI forwards dominated Norwich, winning almost every scrum, ruck and maul. The backfield, led by Al Marinilli, effectively passed and supported the ball-handler. Marinilli constantly outmaneuvered the Norwich defense, scoring a total of three tries. Scott Latvala and Don Letson capped off WPI's scoring by adding a try apiece. Lou Castroppta had an outstanding kicking game, scoring a total of thirteen points. At this point in the season, the B-side defense has yet to

allow a try.

On April 23rd, the Rugby Club rolled along, sweeping games from Quincy RFC, Holy Cross, and Framingham State. The A-side massacred Quincy by a score of 42-9. Jim Leonardo opened the scoring one minute into the game on a brilliant 50 yard run. Leonardo went on to put on a show for the crowd, scoring three tries in the first ten minutes of the game. Quincy hung tough, however, and at the half the score was 20-9. In the second half, the WPI pack came out charging. On two occasions, the Worcester forwards forced Quincy over their own try-line and both times scrum-half Bill Michaud capitalized for scores. The backs moved the ball well throughout the entire game. Frank Reeves, playing on the right wing, twice had outstanding runs for tries. Standoff Mike Connell also broke through Quincy defenders for WPI's final try. The C-side and D-side also enjoyed successful afternoons. The C-side defeated Holy Cross by a score of 10-4 and the D-side earned a tight 18-12 victory over Framingham State College. This week's games served as a good warm-up for next Saturday as WPI will face its toughest test of the season against UMASS Amherst. UMASS, who is also undefeated, is rated the number one team on the East Coast and number four in the nation. Come to Grove St. Field on Saturday, April 30th at 12:00 to see WPI continue its quest for an undefeated season.

Golf Team winning again

by Jeff Twomey
Newspeak Staff

The men's golf team returned to the winning ranks last week winning 3 of their 4 matches. The Engineers managed to defeat Clark, U. Lowell, and Saint Anselm's, while losing to Tufts.

The action began on Friday, April 15 at Stow Acres where the Engineers geared up for 18 holes of golf against both Clark and Tufts. After some slices, hooks, bogies, pars, birdies, and others, WPI ended up splitting the match. They defeated Clark, for the second time this season, winning by 26 shots but were defeated by Tufts by a mere 3 shots. Leading the Engineers attack were Curt Whitehead with a 77, Joe Saloio 81, Jim Petropulos 83, while Mike Raspuzzi and Steve Swetz both finished with 85's.

On a chilly April 20, the Engineers returned to action facing U. Lowell and

Saint A's on a wet Hickory Hills in Methuen, Mass. The results were somewhat better than the conditions as WPI swept the match beating Lowell by 8 shots and Division II Saint A's by 5. The top five for WPI were Jim Petropulos with a 77, Joe Saloio and Curt Whitehead with 79's, Steve Leblanc with an 81, and Rick Hajec with an 84.

At this point in the season, the Engineers have compiled an overall record of 7-5, 6-2 in Division III. They resume action on Thursday, April 28 against Springfield College at Worcester Country Club.

Other golf action included the Mass. State Tourney on Thursday, April 21 at Stowe Acres. WPI managed to place 9th with a total of 330 shots. The victor was Amherst with a 302, followed by Salem State with a 307, and our neighbors from Worcester State with a 310.

Women Ruggers suffer first defeat

by D.L. Barone

On Saturday the WPI Women's Rugby Team played a challenging game against cross town rivals, Holy Cross. In spite of their efforts, the women ruggers suffered their first defeat of the spring season. The team's record is now 2-1.

During the game the women ruggers had constant control of the scrums. Leading this effort was forward Pam Berg. Backing her up with stong determination were loose forwards Denise Johnston and Lori Cody.

In the running attack of the game,

backs Ann Petit, Mary Shea and Anne Slade helped to move the ball up field. In spite of the team's efforts, the Holy Cross defense prevented a WPI scrum from crossing the try line.

Numerous injuries, together with a few successful tries on the part of Holy Cross dissipated the spirit of the women ruggers. The Holy Cross Crusaders emerged victorious with a final score of twenty-six to zero.

The next scheduled game is Friday, April 29 at 4:00 p.m. at Grove St. Field against M.I.T. The team would appreciate your support.

Men's Tennis gets back on track

by Chris Scholl
Newspeak Staff

After starting the season with a disappointing record of one win and four losses, the tennis team turned it around this week with two victories and one tie in four matches.

The week started with a rain-soaked contest against Suffolk. In a match that probably should not have been played, the netmen came away with a 3-3 tie.

The doubles matches were cancelled due to the rain. The winners for WPI were Tom Costello, Tom Aryvasion, and Dave Wilbur. Dan Mott forfeited his match, walking off the court after one set, protesting that the match should not be played under such adverse conditions.

Bates traveled South on Monday to play WPI. Bates won 9-0. WPI was
(continued on page 9)

Women's Track takes two

Santry gains 24 points

The 2-0 Women's Track Team will take on Brandeis and Clark (Tuesday, April 26, 1983) this afternoon, starting at 3:30 p.m. on Alumni Field. WPI women

making the score: WPI 10, Assumption 8. This turned out to be WPI's margin of victory as both teams traded 43 points the remainder of the afternoon. Point



Meggen ready to put the shot.

— Jenny Davis.

started off the season by beating Assumption College 53-51. The first two events were won by WPI, when Barnie Young took the shot put with a throw of 30'8" and Mary Allen took the Long Jump with a jump of 14'7½". Assumption took second and third in both,

winner for WPI were: Elain Santry, 2nd in 100 meter hurdles, discus; 1st in javelin with a throw of 97'9"; Mary 2nd in 100 meters, 3rd in 200 meters, to go with her 1st in Long Jump; Kathy Bolton, 1st 440; Michelle Payant 1st in
(continued on page 9)

WE NEED VOLUNTEERS WILLING TO SERVE ON THE NEW PUB COUNCIL:

- two students from each class ('84, '85, and '86);
- two graduate students; and
- six representatives from the faculty/staff.

NEW MEMBERS OF THE PUB COUNCIL will be selected from the volunteers by the present Council and the Assistant Director of Student Activities, Glenn DeLuca, at an open meeting to be held at the Pub on Tuesday, May 3, 1983.

MEETINGS OF THE PUB COUNCIL will be scheduled on a regular basis: lunch time, during the third week of each term.

IF YOU HAVE ANY QUESTIONS please feel free to contact someone now on the Council: Marty Ferguson, '84, Box 1837; Cheryl O'Neal, '83, Box 947; Tom Wilsack, '84, Box 325; Steve Winn, '85, Box 614; Pat Dunn, ext. 5584; Willy Eggimann, ext. 5352; Phil Grebinar, ext. 5328; Tom Keil, ext. 5419; Carolyn Pike, ext. 5271.

IF YOU ARE INTERESTED AND WILLING TO HELP please fill out the form below and send it to: PUB COUNCIL VOLUNTEER, CENTRAL MAIL, DANIELS HALL, by Friday, April 29, 1983.

Yes, I am willing to volunteer to serve on the Pub Council.

NAME: _____ DEPARTMENT: _____

(for students: CLASS: _____ BOX NUMBER: _____)

The following is an excerpt from a memo from Dean Brown, dated May 5, 1982, and sets forth the views of the Dean of Students Office toward the WPI Pub and Pub Council.

The Pub Council is comprised of members of the WPI community (students, faculty, and staff) all of whom possess an interest and concern that the Pub be an integral part of WPI's campus activities by providing an atmosphere conducive to student, faculty, and staff interactions.

The Pub Council is an advisory board whose role is to represent continued student/faculty/staff interest. The council's by-laws will comprise its committee structure enabling the council members to have continued communication with the Assistant Director of Student Activities/Pub Manager, as well as having the opportunity to discuss and react to Pub policies.

SPORTS

Intramural Bowling strikes again

The final standings of the intramural bowling tournament showed Lambda Chi Alpha in first place with 57 wins and 3 losses.

The top five teams are as follows:

Team	Wins	Losses
1. LCA	57	3
2. SAE	48	12
3. FIJI	46	14
4. SP	39	21
5. TC(A)	37	23

At the end of the fall and winter intramural sports season, three teams are close in the standings for the Grand Trophy for competition in intramural sports during 1982-1983. The top three teams are LCA with 453½ points; FIJI with 443½ points and SAE with 425 points. The remaining spring sports still ahead are Track, Softball, Floor Hockey, and Table Tennis.

... Men's Tennis

(continued from page 8)

outplayed all around. Dan Mott, who is the number 1 seed again, had the closest match, losing in 3 sets.

The netmen turned their record around again on Thursday, disposing of Nichols 9-0. It was a great team effort with Mott, Durand, Brandt, Scacciotti, Costello, and Wilbur all winning their singles matches.

WPI then crushed Assumption 8-1 on Saturday. Singles winners for WPI were Mott, Durand, Scacciotti, Kenneally and

Wilbur. The match was especially sweet for freshman John Kenneally, as it was his first match playing for WPI. He won a hard fight in a 3 set match. Although the Assumption netment may not have been playing their best, given the fact that their spree day was the same day, WPI still enjoyed the victory.

The team record is now 3-5-1. The team has one match this week against Lowell on Wednesday.

... Women's Track

(continued from page 8)

the mile; Ellen Regan, 1st 880; Bernie Young 1st shot put; Lindsay Gage, 2nd high jump; Lisa Burke, 2nd Discus; Cathy Dochak, 2nd 880; Fran Weiss, 3rd in the Mile and Discus; and Megan Moser, 3rd in High Jump.

A week later she came back and defeated Bryant 67-60. This meet was won in the field events when: Bernie Young, Elaine Keenan, Sharon Messer swept the shot put; Lisa Burke, Elaine Santry, Maria Kallontzis swept the discus; Elaine Santry, Angela Frankudakis, Lisa Burke swept the Javelin; Mara Catlin and Megan Moser's 3rd in the

Long Jump; and Lindsay Gage's first in the High Jump that gave WPI a 36-9 edge going into the running events. Wins by the 4 x 110 relay team (of Catlin, Allen, Mosser and Regan), Kathy Bolton in the 400 meters, Mary Allen in the 100 meters, Ellen Regan in the 800 meters and 200 meters helped ward off Bryant's attempt for a victory. The victory was nailed down for WPI by Michelle Payant's third in the 3000, and Elaine Santry's 2nd in the 100 meter hurdles and 3rd in the 100 meter and 400 meter hurdles.

Elaine Santry scored 11 points against Assumption and 13 against Bryant to give her 24 so far for the season.

WPI Baseball on comeback trail

by David P. Tormey
Sports Editor

After a dismal 0-5 start the WPI baseball team seems to be getting things together. The Engineers played four games this past week and came up short only to Division II Assumption College. Junior Bob Hess stole the show in the two games he started on the mound by going the distance in both outings and allowing only 3 runs in 16 innings.

On Monday the 18th, WPI faced Brandeis University and beat the Judges on their home turf, 5-1. Jim Jackman and Chuck Hickey came up with all the necessary offense in the first inning as Hickey doubled and Jackman followed him up with a homerun. Key hits by Jackman, Pat Ruffo and Joe Olaynack provided the rest of the offense to make

then Joe Olaynack drew a base on balls to load the bases. With this classic setting of two outs and the bases loaded in the bottom of the ninth, Chuck Hickey stepped to the plate. He ran the count to 3-2 and then roped the sixth pitch onto the football field for a grand slam homerun. Despite Hickey's heroics, the Engineers couldn't keep the rally going and they lost, 13-10.

On Saturday WPI took both games of a doubleheader from the Cadets of the U.S. Coast Guard Academy. In their first game, Al Carpenter switched from his usual catching position to the mound and went the distance for the Engineers as he let up only 2 runs and struck out 11. "Carpy" retired the side in order in five of the game's seven innings and helped his own cause with a homerun in the first



Catcher Carpenter switched positions . . . and tossed a 3-hitter — Jeff Winick.

for the 5-1 final score. Hess scattered eight hits over nine innings and gave up Brandeis' only run in the form of a ninth inning homer.

The bad weather on Tuesday cancelled a game with Trinity so the Engineers didn't play again until Friday afternoon when they met Assumption at home. This game was a slugfest as the two teams combined 23 runs on 5 homeruns and 20 lesser hits. Assumption jumped all over starter John Pacheco, who had some control problems, and scored 6 runs to put WPI behind from the start. The Engineers came within 2 runs of the Hounds in the third but Assumption managed to come up with more runs to keep well ahead of WPI. Going into the ninth inning, Tech was down by seven runs but they refused to die easily. Pat Ruffo led off the inning with a double and Steve Keim walked to put men on first and second. The next two WPI batters were retired,

inning. Chuck Hickey had another good game (3-4 with 2 homers) and freshman Dan Coakley added 2 hits of his own in the Engineers' trouncing of U.S.C.G.A., 6-2.

Bob Hess stepped on the mound for the second game and proceeded to shut out the Cadets for six of the seven innings. Meanwhile the WPI offense stayed hot and produced all the runs they would need in the first inning as Hickey, Co-capt. Mike Valiton, Carpenter, Ruffo, and Jack Holzman all singled. WPI totally dominated the game and Coast Guard only managed to score 2 runs in the final inning on their second and third hits of the game. Final score: WPI 9, USCGA 2.

The Engineers play next at home on Thursday and Saturday against Suffolk and MIT respectively. Hopefully Hess and Carpenter can keep up the good work so WPI can completely salvage what started out to be a losing season.

Nominations for the following positions on the Peddler Yearbook Staff will be open on Tuesday, April 26th and will close on Monday, May 1st at 12:00 noon.

- Photography Editor
- Senior Section Editor
- Activities Section Editor
- Advertising Editor
- Sports Section Editor
- Financial Manager
- Sports Information Editor
- Fraternities Editor

Please send nominations to THE PEDDLER, Box 2488.

Please send nominations to THE PEDDLER, Box 2488.



"I WISH LARRY WOULD JUST WRITE HOME INSTEAD OF HOLDING UP THOSE SIGNS AT HIS SCHOOL'S BASKETBALL GAMES."

College Press Service

police NEWS

by Greg Doerschler
Newspeak Staff

April 15 - April 21

Thefts

A fraternity member called WPI Police at 5:15 p.m. on Monday, April 18, reporting that two white males and a female had just stolen \$200 and checks from the fraternity house. Fraternity members followed the subjects to a Main Street bar where WPD was con-

tacted. The two male subjects were interviewed by WPD, but were not arrested.

A WPI student reported that her pocketbook was stolen from the Washburn reactor room while she was at the library. The theft was reported at 2:00 a.m. on Friday, April 15.

Vandalism/Disturbances

A citizen reported to WPI Police that fraternity members were setting off

fireworks in the library lot at 10:25 p.m. on Wednesday, April 20. The fraternity was contacted and advised to cease the activity.

A fight at a fraternity was reported at 10:40 p.m. on Tuesday, April 19. The situation was handled by WPI Police.

A broken window was reported in a Morgan stairwell at 7:40 p.m. on Monday, April 18.

A WPI student reported at 9:21 p.m. on Thursday, April 21 that a window of his

vehicle had been smashed while the car was parked on Salisbury Street.

Other Incidents

A small brush fire was reported in the rear of Morgan near Alumni field by an RA at 2:01 a.m. on Friday, April 15. The fire was out when WPI Police arrived.

At 3:00 a.m. on Sunday, April 17, SNaP reported a vehicle operating erratically in the quad. The operator was a female learning to operate a standard shift.

... Engineering Physics

(continued from page 4)

moment, we have developed the following specializations in Engineering Physics: Physics, Computational techniques, Optics, Electromagnetism, Materials Science and Engineering, Nuclear Science and Engineering, Thermal Physics.

I would just like to take a moment to describe one of these specializations. If a student were interested in working in the health physics field at a hospital, his background of Physics combined with nuclear engineering may make him the right candidate to work with projects involving radioactive isotopes.

Q: How would it affect the project work?

Students who become interested in one of the special fields mentioned above will be guided into a project which is associated with his specific specialization. In order to ensure that proper advice is available to the student, the Physics Department has elected Professor A. Walther to be the Engineering Physics Coordinator, and he will be available to help the students select the

projects in their area of choice.

Q: Are such programs in existence at other schools?

Yes, I understand there are about forty other colleges that offer an Engineering Physics degree. Usually, these are much more rigid programs than the regular Physics programs; however, we at WPI have much more flexibility in the implementation of our program than do other schools.

Q: What are the chances for employment in EP?

There has been an incorrect impression on Campus that physics majors have trouble obtaining well-paying jobs. This is really not so. Our physics majors have had no difficulties getting jobs for the past few years. But I think that students majoring in Engineering Physics will have their job opportunities appreciably enhanced, particularly in Massachusetts which has a good deal of high technology industry. It is these industries that more commonly seek staff who have a good fundamental knowledge of physics and can apply this knowledge to industrial technology.

Soccomm PREVIEWs

Tuesday, April 26

Cinematech presents "Animations for Adults and Children". This 80-minute program consists of various award winning animated films of 1982. The feature attraction, "CRAC!", is the winner of the 1982 Academy Award Oscar for animated films.

Friday, April 29

"Robin Lane and The Shake" will be

kicking off Spring Weekend this Friday with progressive, boppin' tunes as well as songs from her old band "The Chartbusters". Warming up for The Shake will be the "November Group", a German band with an innovative style. Their song "We Dance" was named "Big Mattress Song of the Week" by WBCN.

Saturday, April 30

Junior Prom features "Panorama" aboard the Provincetown II.

Junior summer job outlook

by Christine Olson
Newspeak Staff

For many students, the coming of spring means the long, hard search for summer employment. Although this year is not a good year economically, there are jobs available. This is evident by the bulletin boards located on the third floor of Boynton Hall outside the Office of Graduate Career Plans (OGCP). These boards are covered with posters, letters, and applications all concerning summer jobs for juniors. These jobs are quite varied. There are positions available for Bike Trip Leaders, Camp Counselors; many employers are looking for students with majors such as mathema-

tics, computer science, and all fields of engineering. The locations of these jobs are just as varied: New York, Vermont, Quebec, Illinois, Montana, and Boston.

Job placement is an ongoing cycle in the OGCP. All summer job openings are posted on the bulletin boards. After May 13th though, any job openings which are brought to the OGCP's attention are answered with resumes of interested students on file. So if your resume is not on file in the OGCP and you're looking for summer employment, express your interest to the people at the OGCP and give them your resume.

Sophomores should have their resumes to the OGCP in December of next year.

GRADUATE ASSISTANTSHIP AVAILABLE, 1983-84

A graduate assistantship position is available in WPI's **Division of Interdisciplinary Affairs**. Holder may pursue graduate study in **any** of WPI's graduate programs. Assistantship responsibilities include: interdisciplinary research, IQP topic and area development, assistance to faculty in meeting IQP resource needs, development of IQP oral project report opportunities, and assistance to students in the project search and selection process. See Prof. Demetry, Project Center, if interested.

Clements to head EE

Kevin A. Clements has been appointed head and Owen W. Kennedy associate head of the Department of Electrical Engineering at Worcester Polytechnic Institute, effective July 1.

The appointments, announced by President Edmund T. Cranch and Ray E. Bolz, Vice President and Dean of Faculty, are for a period of five years with the possibility of one renewal.

It is the first time WPI has appointed an associate department head. The move is due to the increasing size and complexity of the electrical engineering department, according to Dean Bolz.

Clements, of 46 Adams St., Westboro, joined WPI as an associate professor in 1974 and was promoted to professor in

1979. He is a graduate of Manhattan College, where he received a bachelor of electrical engineering degree, and Polytechnic Institute of Brooklyn, where he was awarded a master's and a Ph.D. In 1975, he was principal investigator on a \$223,900 grant to study interconnected electric power systems.

Kennedy, of 254 Central St., Boylston, is a graduate of WPI, where he received a bachelor and master of science degrees and MIT, where he was awarded an electrical engineering degree. He joined WPI as a graduate assistant in 1946 and was promoted to full professor in 1965. He has been active for many years with regional school committees and school planning.

... Involvement with CAD

(continued from page 4)

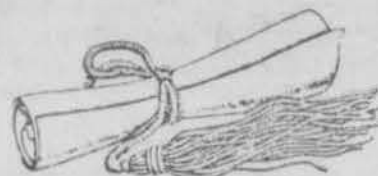
cross-sectional views anywhere of the valve. Through Variable Programming (VARPRO) the process can be automated and volume approximations can be made; the mass properties can be calculated and checked against weight measurements.

The Jamesbury Corporation will benefit from the MQP for it gives them an opportunity to actually see how a CAD system can be applied to the design of

their valves.

Jamesbury Corporation is in the market for a CAD system and by using the O'Connor/O'Neal MQP, Jamesbury Corporation can evaluate the capabilities of the Computervision system.

Computer-aided drafting has been in use since 1969. At WPI, the CAD system has been in operation since September, 1981. Previously, the room was occupied by the Instrumentation and Controls lab.



COMMENCEMENT 1983
SATURDAY, MAY 21
2 P.M.

Rehearsal For Commencement Tuesday, May 10th, 11 A.M. HARRINGTON

(Pub Open at Noon — Special Senior Day)

Cap & Gown Information Available from Bookstore as of May 2nd.
\$9.00

Be sure all obligations to the Institute are paid. Diplomas can be pulled and you could be disallowed from marching or sitting in the senior section.

Seniors must notify Registrar's Office if they are NOT planning to attend Graduation.

TICKETS ARE REQUIRED.

Graduation invitations will be available in the Office of Graduate and Career Plans (Boynton — 3rd Floor) as of May 2nd. Each senior is allotted six free — each additional group of 6 invitations is \$1.00.

Graduate students may purchase 6 invitations for \$1.00 or additional invitations in lots of 6.

Please Be Prompt For Graduation Rehearsal

Line-up at 1:00 P.M. in front of Boynton Hall, Sat., May 21.

In case of rain — line-up in Alumni Gym, Basketball Court.

BE ON TIME!!

Pub open after graduation for a while, depending on business.

If you find problems, contact BILL TRASK 793-5260.

Dialing for dollars

by Jeanne M. Benjamin
Newspeak Staff

This year's 1982-1983 Student-Alumni Phonation took place in the Alumni Office on the third floor of Boynton Hall from 6:30-9:30 on the evenings of April 11-14 and April 18-21. This year's Phonation coordinator was Jerry Finkle, National Phonation Chairman for the WPI Alumni Fund Board, a division of the WPI Alumni Association.

The student volunteers from various fraternities, sororities, and campus activities placed all the calls. Chris Baryluk

\$9000. Calls were placed to alumni residing in the United States from coast to coast, and the donations will be collected through the mail. The administration will decide on the most advantageous way to utilize the money, and it is very likely that it will keep tuition down and defray the costs of the Washburn renovations and other campus projects.

The phonations are run annually by the Alumni Association and their goal this year is \$70,000. Overall this year, through various fundraisers, the WPI alumni is aiming at a total contribution



Student volunteers take calls.

—Jim Morton.

and Wally Towner worked very hard rounding up students and were instrumental in assisting Mr. Finkle and helping make things run smoothly and successfully.

The average amount of money pledged per night by the alumni was

goal of \$1,000,000. All of the WPI alumni who are generous enough to remember their alma mater will have their names printed in the annual summary of yearly proceedings published by the Alumni Association in recognition of their donations.

classifieds

NEWSPEAK will run classifieds free for all WPI students, faculty, and staff. Free classifieds are limited to 6 lines. Those over 6 lines must be paid for at the off-campus rate of 35 cents/line. Deadline is Friday noon for the following Tuesday issue. Mail to WPI Newspeak, Box 2472, or bring to WPI Newspeak, Room 01, basement, Sanford Riley Hall. Forms must be filled out with name, address, and phone number for ad to be printed. No last names or last name initials will be printed in personal ads.

NAME _____ PHONE _____

ADDRESS _____ TOTAL ENCLOSED _____

AD TO READ AS FOLLOWS:

Allow only 30 characters per line.

_____	1
_____	2
_____	3
_____	4
_____	5
_____	6
_____	7
_____	8
_____	9

All classifieds subject to space limitations.

TYPING — reasonable rates. Mrs. Cahill, 755-8551.

PROFESSIONAL TYPING on IBM Executive Typewriter. Copying, binding available. Call 792-3255.

APARTMENT FOR RENT — Practically on campus, well secured, first class apt. for 3, heat, hot water, stove, refrigerator included. Available June 1, call Mon.-Fri., 6:00 p.m. - 7:30 p.m., 799-9833.

ARE YOU TAKING the early buses into Boston for JP? Are you even going to JP? Then just for your information, THE DLQ is playing at Simmons College Spring Spree from 2:30-8:30 p.m. on Saturday, April 30th.

SIMMONS COLLEGE is located on Brookline Ave. near Fenway Park. It's 5 min. from Boston harbor.

HAPPY 21ST MONKEY!

SCIENCE FICTION SOCIETY MEMBERS who wish to be on the DEC-20 mailing list send a message to CLUBS. SFS

SFS'ers interested in working at a con in Worcester this summer contact Eric at SFS box 2544.

APARTMENT FOR RENT — May through August, 5 min. walk to campus, furnished, own room, clean, off-street parking, reasonable rent. Call Mike or Dan at 757-7216.

ROOMMATES NEEDED — Single female looking for same to occupy Denver Street apartment (near Mobil Gas Station) ... there are two openings available as of June ... quiet, studious types are preferable since I'll be MQPing and Comping next year. Reasonable rent. Contact Joan at Box 419.

VW BEETLE FOR SALE: 1973, good engine and body. Brakes and exhaust need work. \$250. Van Bluelmel, Olin 219, 793-5365.

NEED PA SYSTEM? AGT SOUND has state-of-the-art equipment for the best sound available in MA. A must for aspiring BANDS and great for DISCO/ROCK HOPS (DJ included). CHEAP rates. Crown Spectrum Analyzer for mint EQ. Jim A. 792-9700. WPI Box 1557.

FOR SALE: One LaCorti phone-answering machine. Used only twice. Call 521-7008.

ZOOM — When is the last time you had spam? — Mystery Moron

SMALL WOMAN'S BIKE — Attention women 4'10" to 5'3" ... 1978 19-inch Mixte Frame Raleigh Grand Prix for sale. Many improvements, better than new! Call Susan at 792-9683 (evenings). \$210.

CAMERA AND ACCESSORIES FOR SALE — Kit includes Nikon FE 35mm camera, 50mm Nikon R Series lens, 135mm Telephoto, 2x converter flash, filter, close-up, rings, and much more. \$350. Call 757-7282.

SUBLET MY APARTMENT! As sad an occasion as it is, I MUST depart from Worcester for the summer ... so how about subletting my room? Dover St. apartment (short walking distance to school and landoll's) will be available from June until the end of August ... reasonable summer rate, somewhat furnished, etc. For more information, send me a note at Box 419.

TO THOSE WHO HELPED PAINT AND CLEAN Goddard Lounge — Thank you!!! — AICHe

SKATEBOARD CLUB INFO? Box 1246.

DOES WASTED WEDNESDAY WATER-SKIING CLUB still exist (WWWC)?

WEDGE RAT PARTY — SOME NEW ITEMS : WHAT girl was kissing girls? WHO was lying on four laps? WHO spent 1 1/2 hours in the pantry? WHICH mice play in stores? WHO played quarters from a lap? WHO walked home from Shrewsbury? WHEN do we do it again?

AMDS: I have two questions for you. Who's not sleeping and what night is it? Happy B-Day? Love, Char-baby.

TO THE NOON aerobics class: Thanks so much for the warm birthday greeting. You sure made my day! Love, Jull.

TOM — you jerk! Two hitchhikers in a van? Come on, get a grip on yourself!

DINO AND GREG — How can you say that about Brenda? David and I are shocked. She's so seductive!!! Come on guys, get with the program.

COCKY FRESHMAN b**ds** — you know who you are. Get together for the last rope pull and go all the way. Get in touch with Pablo.

TUNA FEST!! Tuna Festival '83 lives! Pablo.

TO DAVE: Thanks a lot for returning my books. I really appreciated it. Aram.

(continued on page 12)

TICKETS FOR GRADUATION

(Invitations are only for ANNOUNCING graduation to relatives and friends, and do not admit anyone without a ticket.) This will be the policy for the 1983 May 21st Commencement.

1. Four tickets per graduating Senior, Masters and Ph.D. candidate. Verification (not verified means you may not participate) of degreed candidates will be by the Registrar's Office.
2. Tickets can be obtained only at Office of Graduate and Career Plans as of Monday, May 2nd. Tickets must be picked up by Tuesday, May 10th (invitations are available at the same time).
3. If you don't need your allotted tickets it will be appreciated if you tell OGCP. These will be put into the lottery drawing.
4. You must pick up your own tickets (no others) by May 10th, Tuesday, after that date the unclaimed tickets will go into the lottery.
5. If additional tickets are desired by any graduate — leave name and extra number wanted. A lottery will be held Thursday, May 12th for Distribution of extra tickets. Check on the 13th with OGCP.
6. If you receive tickets but are unable to graduate — please return them to OGCP to reissue.
7. Remind family and friends that admission at the door is by ticket only.

For those receiving this announcement by mail — the same deadline procedures prevail. You may, however, write to OGCP and tickets/invitations will be mailed as long as the requests are received by May 10th.

If any questions call Bill Trask, Director of OGCP, at 793-5260.

WHAT'S HAPPENING

Tuesday, April 26

CINEMATECH FILM SERIES, "Animation Canada", Alden Hall, 7:30 p.m. (Free)

Wednesday, April 27

TENNIS vs. Lowell, 3:00 p.m.
TRACK vs. Trinity College, 3:00 p.m.
LACROSSE vs. Dean Junior College, 3:30 p.m.
CHEMISTRY COLLOQUIUM, "Synthesis, Structure, and Reactivity Relationships for Antitumor Anthracene 9, 10-Diones", by 4:00 p.m., A. Paul Krapcho of U. Vermont, Goddard Hall 227, 4:00 p.m.

Thursday, April 28

GOLF vs. Springfield College, 1:00 p.m.
BASEBALL vs. Suffolk, 3:30 p.m.
SOFTBALL vs. Anna Maria, 4:15 p.m.

Friday, April 29

ELECTRICAL ENGINEERING AND COMPUTER SCIENCE DEPARTMENTS PARTY, Upper Higgins House Lawn, 4:15 p.m.
SPRING WEEKEND CONCERT, "Robin Lane and the Shake", Alden Hall, 9:00 p.m., (\$2.00 with WPI ID)

Saturday, April 30

MEN'S CREW, City Championship at Lake Quinsigamond.
QUAD ACTIVITIES, 10:00 a.m.
RUGBY vs. UMASS, 12:00 noon
BASEBALL vs. MIT, 1:00 p.m.
JUNIOR PROM on the Provincetown II, with "Panorama", (\$8.00 per couple)

Sunday, May 1

SUNDAY MASS., Alden Hall, 11:00 a.m.

Monday, May 2

CHEMICAL ENGINEERING COLLOQUIUM, "Alcohols from Synthesis Gas Catalyzed by Supported Rhodium", by Dr. James Katzer of Mobil R&D, Goddard 227.
SOFTBALL vs. Brandeis, 4:00 p.m.

classifieds

WHOEVER BORROWED MY BOOK "SMALL PARTS FEEDING AND ORIENTING" BY BOOTHROYD — PLEASE RETURN IT IMMEDIATELY OR SOONER!!! Professor R.L. Norton.

FOR SALE: 1 couch (excellent condition fold-out bed) \$60 . . . 1 refrigerator (kitchen-size) \$50 . . . 1 stove (electric, good condition) \$50 . . . all available at the end of May. Call 757-2519. Ask for Renee or Liz.

LOST: My Tom Lehrer Sheet Music Book, "Too Many Songs by Tom Lehrer". If found, please contact me at WPI Box 1465 — REWARD!

CLASS OF '85 MEETING May 3rd, 7:30 in the pub. Get psyched for Class of '85 cookout May 8. Interested in JP next year? Come to the Class of '85 meeting 5/3 at 7:30 in the pub. Class of '85 cookout May 8th at Higgins Hall.

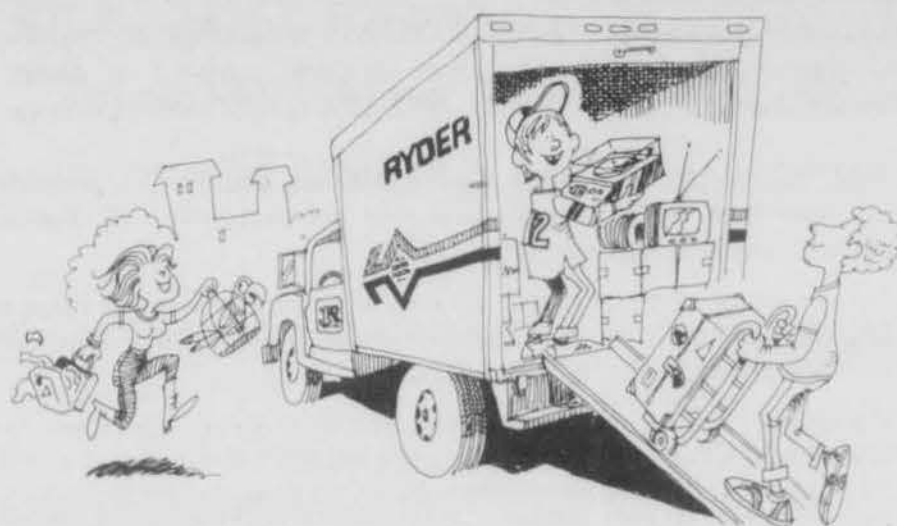
APARTMENT FOR RENT — May 13 - August 30, Rent \$110 per month per person. Call Dave at 756-6660.

Crossword Puzzle Answer

Puzzle Answer

ALT	JAMB	PROA	
DIE	ARAR	RANI	
DEN	BAROMETER		
SNAGS	GOES		
NE	DIM	ISMS	
ART	WON	IDIOT	
NA	PET	ARE	SO
TITLE	DIA	ETA	
INEE	FED	AN	
	ABOUT	SIGNS	
STATEMENT	AIL		
PACE	ECRU	GNU	
AGED	STAB	EAR	

Move Yourself, All Your Stuff, And Save, Too!



It's as easy as renting a Ryder truck, one way.

Compare costs before you make plans for moving at the end of the semester.

If you're 18 or older and have a valid driver's license, you can use a Ryder truck, rent-it-here, leave-it-there. Load up your stereo, 10-speed, clothes; everything. You'll still have room, no doubt, for one or two friends with their things to share the cost. Compare that to the price of a plane ticket. Or even a bus. Plus shipping.

Rent a newer truck from the best-maintained, most dependable fleet in the world — Ryder. The best truck money can rent.

SAVE!!! 10% on your next one-way Rental. Inquire at the Campus Book Store for your Student Discount Card.

— For Reservation Information Call —

832-6301
Ryder Truck Rental Inc.
20 Millbury St.
Auburn, Mass.
791-2086
Elm Park Arco
Park Ave.
Worcester, Mass.

755-5716
Grove St. Motors
Grove St.
Worcester, Mass.
853-5886
Summit Citgo
W. Boylston St.
Worcester, Mass.



Summer Session (1 June-20 July)

Why not get ahead this Summer by taking advantage of Term E?

This Summer WPI is offering courses in chemistry, civil engineering, computer science, electrical engineering, engineering science, humanities, management, mathematics, mechanical engineering and physics. Plan now to enroll.

Registration: To register, stop by the Summer Session Office, Project Center, between 9:00 a.m.-12:00 noon and 1:30 p.m.-4:00 p.m. The last day to register without a late fee is May 13th.

Tuition: There is a special tuition rate of \$1350.00 for those students taking one full unit (9 credit hours). For those students taking less than one unit the standard rate of \$550.00 per 1/3 (3 credit hours) applies.

Information: For further information or to obtain a Term E catalog, contact Carol Garofoli, extension 5591, in the Summer Session Office, Project Center.



Worcester Polytechnic Institute

MAY