

Office of Residential Life handles housing problems

by Greg Dearborn
Newspeak Staff

In previous years, students that had problems with their domiciles were often shuffled back and forth between the Office of the Director of Residence Operations, Patty Lewis, and the Office of Dean of Student Affairs, Janet Begin-Richardson. This is no longer a problem, since both women now share the area created by building an addition to the old Social Committee office. Now all student housing help is conveniently under one roof. Both officials are pleased by the move.

Patty Lewis, who used to have a well-hidden, cramped office in the basement of Sanford-Riley, commented that her old location was bad because of the isolation. With the new location, easily seen adjacent to the computer terminals and the mail boxes in Daniels, students are often reminded of a complaint or

question and drop in — which she encourages. Also, since she is in more frequent contact with Dean Begin-Richardson, they have an easier time keeping up to date.

It had been long realized that there was a problem with the old location, and for a long time there was discussion among Dean Reeves, Dean Brown, and President Cranch about consolidating the two offices. Construction of the addition was completed before the start of A Term.

Ms. Lewis handles physical problems with the dormitories and the on-campus apartments. She works very closely with her office-mate, who works with fraternities, renters, and does some counseling. Often their jobs overlap, and they work together.

One aspect of her job that occupies much of Dean Begin-Richardson's time

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Residence operations, Daniels Hall.

— Dan Jacavano.

Newspeak

The student newspaper of Worcester Polytechnic Institute

Volume 10, Number 17

Tuesday, October 5, 1982

Dr. Isaac Asimov

Wednesday

8:00 P.M.

Alden Hall

Little action taken on campus lighting

by Robert DeMattia
Newspeak Staff

The informal atmosphere at WPI often leads us to be rather lax about our personal safety. Programs such as SNaP, the Security Night Patrol, remind us that we are in a city and that we do have to be careful. The most dangerous time of course, is after dark. The WPI campus is for the most part well lighted. However, there are some serious deficiencies in some important areas. In hopes of correcting this, a student, Dan Weinshenker ('84 MG) went around the campus in August of 1981 and did a survey of the lighting on and off campus. Weinshenker marked out on maps of the campus where lights were operating, where they were burnt out, and where they were obstructed by trees. On another map of the campus, he highlighted areas that he felt needed more lighting. He submitted the report to Vice President Reeves. Reeves and Associate Dean of Students Janet Begin Richardson took an interest in the report. As a result of it, Reeves and Richardson did their own survey and came out with the same results, save a few minor points and additions. Weinshenker's report was then sent to Plant Services. Here, the report got a more casual response. There was no immediate reaction taken, but Plant Services, under the direction of Roger Albrecht, did have an electrical

contractor do another survey. The results of this survey concurred with those of the two previous ones.

It has been nearly a year now since the report was brought to the attention of school officials and yet nothing seems to have been done. One area which Weinshenker stressed as a priority, the stairs by the side of the Library, is still in total darkness.

In an interview with Newspeak, John Miller, Director of Plant Services, stated that he had spoken with Weinshenker and that he planned to tour the campus with Weinshenker in the near future.

(continued on page 4)



John Miller.

— Chris Pappas.

Battling the Bottle Bill bottle up

by Tim Roesch

Last Thursday in SL104 at 4:00 p.m., interested students sat down to listen to Bob Jenks speak for the Bottle Bill. This bill was first brought up before the State legislature between 1972 and 1976.

Against strong opposition from the Senate and House leaders the bill passed and is due to go into effect in January if all goes well. But the bill has been put back on the ballot due to a repeal move prompted by leading bottle manufacturers, and a sundry other groups that say that both they and the consumer will be hurt economically by this controversial bill.

According to Mr. Jenks the people of the state want the Bottle Bill. He cites polls taken across the state as evidence. He states that 70% of those polled want the bill.

These are the good points that the pro Bill-ites expound. First, there will be an eventual 5% price decrease in the cost per can due to a decreased cost of manufacture. Whether or not the company that produces the container will pass the savings to the consumer is unknown. According to Mr. Jenks' figures, 7% of the landfill space and approximately 40% of the litter (by volume) will no longer be beer and soda containers. This would result in a lesser need for landfills, a reduced city expenditure for sanitation, reduced litter and

greater safety to the animals, children and tires that seem to run around on the broken glass and other hazards that such litter presents.

Now it's the bottling companies' turn. They say that the consumer will end up paying a greater price for the beverage contained in such recycled containers. They also say that the stores would have storage and sanitation problems due to the unclean returned containers. Another point that they bring up is that eventually the Bottle Bill will be made to include not just beer and soda containers but also wine, ketchup, mustard, mayonnaise and other such containers.

Above these accusations float strange contradictions. First, according to Mr. Jenks, consumer groups, city and local governments, major public interest groups, and the League of Women Voters are all for the bill.

On the other side of the coin, Governor King (who supposedly received campaign funding from the beverage container manufacturers), some major chain stores, and the president of the state senate are dead set against the bill. In fact, Governor King vetoed the bill once.

The ballot number for the Bottle Bill is #4. Voting yes means you want the Bottle Bill, voting no means you don't want it.

(continued on page 5)

WPI to co-sponsor Goddard celebration

The astronaut slated to pilot America's first Spacelab mission will officially open the Goddard Centennial Celebration and Exposition at the Centrum in Worcester Tuesday, October 5.

NASA's Brewster H. Shaw, Jr., a major in the U.S. Air Force, will be the City of Worcester's special guest in the opening ceremony at 11:30 a.m., according to Shawmut Worcester County Bank chairman Neal F. Finnegan, celebration chairman.

The community's tribute to the late Robert H. Goddard — who became known as "the father of the Space Age" — begins on the 100th anniversary of his birth in Worcester. It continues Wednesday and Thursday, October 6 and 7, at the Centrum in Worcester with a major exposition of Space Age technology and industrial "spinoffs."

Exposition highlights, among more than 40 exhibits honoring the rocket

pioneer, will be the Smithsonian Institution's Saturn #1 H-1 engine; NASA's exhibit including a Space Shuttle model, and flight and planetary photographs; moon rocks plus the communicator used by "E.T." to "phone home" a working robot, and the film *To Fly*.

The public is invited to view the free exposition from 12 to 9 p.m., October 5-7, at the Centrum, 50 Foster Street. The exposition opening follows Shaw's morning appearance in nearby Auburn, where Goddard's first successful rocket firing will be re-created.

Scheduled to pilot the Spacelab STS-9 mission in September 1983, with Commander John Young and two other crew members, the 37-year-old Shaw is a native of Cass City, Michigan, and a graduate of the University of Wisconsin-Madison, with an M.S. in engineering mechanics from the same university.

After service as an F-100 combat

fighter pilot in Vietnam in 1971, Shaw was assigned to a Thailand base where he flew combat missions as an F-4 fighter pilot. He attended the USAF Test Pilot School at Edwards Air Force Base, California, in 1975-76 and served as an instructor there until 1978. NASA named him an astronaut candidate in January 1978, and he completed training the following year.

Shaw has received a number of awards in recognition of his Vietnam service, including the Air Force Distinguished Flying Cross with 6 Oak Leaf Clusters.

The Goddard Centennial Celebration and Exposition is co-sponsored by the Worcester Area Chamber of Commerce, by Clark University and WPI in cooperation with the Worcester County Convention and Visitors Bureau and the Center for Business Information.

Correction

The last sentence of last week's article on party guidelines was incorrect. The sentence should have read:

"The letter sent to fraternities announcing the (party) guidelines was critical of the IFC's handling of the problems and stated that the IFC has done nothing to deal with the complaints or violations. With the new guidelines, a violation will be dealt with between the affected house and the Office of Residential Life, and will have no contact with the IFC."

police NEWS

by Greg Doerschler
Associate Editor

Highlights Breaks Continue

Breaks into apartments and vehicles in the WPI area were again reported last week, continuing a trend of the past several weeks. Three housebreaks and three vehicle breaks were reported to WPI Police last week.

The first apartment break was reported at 4:20 P.M. on Tuesday, September 28. A first floor window of an apartment in the Lancaster Street area occupied by a WPI student had been forced open. A stereo was stolen in the incident.

At 5:30 P.M. on Thursday, September 30, a WPI student residing in the Boynton Street area reported that his apartment had been broken into the previous day. A portable radio/television was stolen. The student's landlord reportedly saw a black male, 5'7" with short cropped hair, wearing a gold cap and a red jacket carrying a television off the premises at around noon Wednesday. That same subject is possibly involved in other area breaks as well.

An alarm was received by the WPI Police Wednesday, September 29 at 6:55

P.M. for a WPI owned house in the Mass. Avenue area. As WPI Police officers investigated, it was determined that the house had been forcibly entered, but the culprits had been scared off prior to the arrival of WPI Police. Nothing was reported missing in the incident.

Flag Recovered

WPI Police Officer Cheryl Martunas on duty at the football game vs. Coast Guard was informed that a flag belonging to WPI was in possession of a group of Coast Guard students in the bleachers. When Officer Martunas questioned the subjects, they denied any knowledge of the flag. A subsequent search of their beer coolers located the flag, which was determined to have been stolen from the roof of Harrington Auditorium.

Police Log

The following are excerpts from the WPI Police log for the period September 24-30. The listing consists of significant incidents and items of general student interest.

Saturday, September 25

4:00 P.M. — An officer recovered a

WPI flag from a beer cooler belonging to a group of Coast Guard Academy students at the football game. See Highlights.

8:00 P.M. — A WPI student brought Alumni Reunion signs into the station, reporting that other persons had attempted to steal the signs.

10:20 P.M. — A WPI officer reported a subject yelling on Mass. Avenue. The subject was checked out and sent on his way.

11:00 P.M. — SNaP reported three non-WPI students in Riley Hall refusing to leave the area. A WPI Police Officer checked out the three and advised them of trespass. The subjects were removed.

Sunday, September 26

3:15 P.M. — A WPI student reported that his keys were stolen from Alumni Gym by two youths, ages 7-10.

Monday, September 27

2:45 A.M. — A WPI student reported a suspicious person on Trowbridge Street looking in the windows at 25 Trowbridge. WPI Police officers responded. The subject was not located.

2:00 P.M. — A student residing off campus reported that her car was broken into between 2:00 A.M. and 6:00 A.M. Friday morning. See Highlights.

8:15 P.M. — A WPI student reported several non-WPI students occupying Alumni Gym, preventing WPI students from using the facility. WPI Police officers responded and the non-WPI students were removed.

Tuesday, September 28

4:20 P.M. — A WPI student reported that his off campus apartment in the Lancaster Street area was broken into. See Highlights.

Wednesday, September 29

10:25 A.M. — A WPI student reported that a tire on his vehicle parked in a fraternity parking lot had been slashed the previous night.

6:55 P.M. — An alarm was received from a WPI owned house in the Mass. Avenue area. WPI Officers investigating reported that the house had been forcibly entered, but the subjects fled prior to their arrival. See Highlights.

Thursday, September 30

1:00 P.M. — A vehicle parked in the Highland Street area was reported to have been broken into. See Highlights.

5:30 P.M. — A WPI student residing in the Boynton Street area reported that his apartment had been broken into. See Highlights.

The WPI Co-op has plenty of jobs available

by David A. Mahoney
Newspeak Staff

If you're interested in taking some time off from school in order to work, the WPI Cooperative Education Program may be able to help. The main purpose of the program is to find jobs for WPI juniors and seniors who want them. In spite of the generally poor economic condition of the nation, good jobs in technical fields can be found. John Farley, WPI alumnus and head of the Co-op program since 1979 states "there are jobs available. I have at least fifty good slots open now."

In order to be eligible to participate in the Co-op program, a student must meet certain requirements. He must be enrolled as a full-time student at WPI and either be a junior or a senior. The student must be maintaining satisfactory academic progress and have the approval of his academic advisor.

WPI students who enroll in the program may work one or two periods. These work periods are usually eight months long, although they may be shorter. These periods start in January and June, although this too is flexible. Someone wishing to work two periods will usually start work at the end of his sophomore and junior years, or in January of the junior and senior years. If a student wishes to work only one eight month period, he will usually begin at the end of his second year or sometime during his third. If a student opts for working two periods, it will most likely take him five years to graduate. If he works only one period, he could be able to graduate in four years, owing to the flexibility of the WPI Plan.

John Farley seeks companies with work environments where the student can gain experience and progress in his chosen field. The Co-op worker does some fairly advanced work for his employer, although usually not on the same level as a full-fledged engineer. The student employee is paid well,

and are working in such places as Ohio, New Jersey, California, and Germany.

According to Mr. Farley, there are three major reasons why a student takes time off from school to work. The first is that many students need to work in order to pay for their education. Mr. Farley estimates that if a student parti-

break.

What are the benefits of participating in the Co-op program? Besides the afore-mentioned money and experience, the Co-op student is able to get a job in his or her field of interest. Besides looking for jobs, John Farley counsels all Co-op students and gives them advice on career planning. Also, while working, the student maintains his status as a full-time WPI student without having to pay any tuition. The experience gained in employment also benefits the student in his academic career. In 1982, 82% of graduating Co-op students passed their competency exams the first time, as opposed to 72% for all seniors. Also, 47% of Cooperative Education Mechanical Engineering students graduate with honors.

When John Farley took over the Co-op program it was basically a small, experimental program that had been in operation only three years. He expanded the program so that this year he has placed 94 students in jobs. He says, "nearly everyone who wanted a job got a job." Besides finding jobs for students, Mr. Farley spends fully one third of his time on the road interviewing working Co-op students, their employers and potential employers. As a goal for the Co-op program, he would like to see it eventually expand to 120 students, or about 10% of each class.

John Farley's message to students is that the Co-op office has jobs and those who are interested should see him. Juniors who are interested in beginning work in January should see him immediately. Sophomores interested in working next June should also stop by his office and discuss their plans and objectives with him.



Director of Co-op — John Farley.

— Erin O'Connell.

sometimes up to 80% of what an entry level engineer would make. Because WPI is situated in the middle of a high tech region and most WPI students come from New England, most companies in the Co-op program are regional. However, students have worked

in two eight month work periods, he should be able to save enough to pay for 35 to 40 percent of post sophomore year expenses. Another major reason is experience. A student gets actual, practical experience in the real world of engineering and scientific research. Finally, a student may be tired of two plus years of the WPI grind and wish to take a

New Laboratory Course in Physics

There is a new laboratory course in Physics, PH 1601, specifically designed for nonphysics majors. The course carries 1/6 unit of credit so it can be taken as an overload. Students are invited to participate in this course. For information, call the Physics Department, ext. 5281 or 5258.

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"It's 10:00 p.m.; Do you know where your holograms are?"

by Jean Salek

Most likely, many people do not know what holograms are, never mind where they are. According to Professor Pryputniewicz, "Holography is the process of recording and reconstructing of the entire information: i.e. both phase and amplitude are carried by optical wavefronts and as such, can be considered as a synthesis of interference theory and diffraction theory." Basically, holograms are images which are made by recording the interference of two light waves; one wave is reflected from an object onto a plate, while the other wave is the reference beam. Reconstructing the hologram allows for the object to be seen as a three-dimensional image.

As of this academic year, holograms can be found in the newly established laser labs which are located in Higgins Labs rooms #121 and #126. The first laser lab at WPI was initiated by Associate Professor Pryputniewicz in December of 1978 and dealt exclusively with holograms. By 1979, Research Assistant Aman Khan was working with laser beams and is currently studying towards his doctorate degree. The other people now intricately involved with laser beams include two people studying towards their masters' degrees and five students doing their MQP's. At this time, these are the only people who have access to the four distinct lab rooms in Higgins.

So what happens behind closed

doors? Generally speaking, concentrated amplified light waves called laser beams are used to obtain "information" about an object and/or to make holograms. In lab #1, laser beams are being used to study heat transfer rates and how temperature varies across a plate. The equipment in this lab enables a person to obtain information on specific points on the plate; subsequently, isotherms can be constructed.

In the second lab laser beams are being used to test the vibration of filaments, while in the third lab laser beams are being used to measure the quality of metal sieves. The computer in lab #3 has three-dimensional graphical capability. The eight channel oscilloscope in the second lab is just as impressive.

Lab #4 is the real beaut! In this room, WPI has highly sophisticated equipment which is capable of handling objects with irregular shapes. There are only two of these facilities in the free world; the other is located in Strasbourg, France. The process of "holographic heterodyne interferometry" or the fringe interpolating technique is used in this lab to find deformations in an object's shape. Unlike usual holograms which necessitate only one reference beam, the fringe interpolating technique calls for two reference waves.

The two reference waves are not the only things which greatly enhance accuracy of measurements. The laser beam and object to be measured are



Higgins holography lab support equipment.

— Samir Ghosh.

placed on a two ton vibration table. The table "floats" on nitrozene; thus, the table can adjust for any external forces placed on the system. Also, there are temperature buffers placed on the table. The entire operation can make measurements on the object within two angstrom accuracy!

So next time someone asks you where your holograms are, tell them to go to the laser labs and check them out. It is definitely worth the trip.

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| 21 Sun god | 17 Lingers |
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| 24 Balances | 20 All — one |
| 28 High mountain | 21 Grates |
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Concern for the Nashua River addressed

by Victor Schubert
Newspeak Staff

Ralph Perkins, a representative of the Nashua River Watershed Association spoke to a group of WPI students and faculty regarding this subject last week. This association was formed in 1969 over the concern that the Nashua River was in desperate need of a cleanup. Since its formation, the association has helped plan and execute the cleanup and the building of treatment plants at various locations on the river. They also sponsored studies on the river to help cities and towns along the river utilize it better.

The Nashua river flows from Southern New Hampshire into Northern Massachusetts. There are eight cities along its route whose combined sewers dumped into the river along with paper mill wastes have created a less than livable environment in many sections. Perkins showed listeners slides of the river before the cleanup. Many parts of the river did not even look like a river due to the profuse amount of debris on the surface. The river would actually appear to change color depending on the color of paper that the mills were dumping into it that day. Due to its polluted state, the Nashua River was rated among the ten worst polluted rivers in the country. Eventually public outcry escalated, and the Watershed Association was formed.

The cleanup costs ran about 60 million dollars with the actual removal of debris and the construction of five treatment plants. The Army Engineers were called in to help in the removal of debris with their large earth moving

equipment. Eventually, due to the treatment plants, major polluters cleanup procedures, and the Army's debris removal, the state of the river began to improve. Today, the cleanup continues with the association fighting major polluters and sponsoring studies to guide future efforts. The river is now both swimmable and fishable.

Although the river has advanced from a potential health hazard to a popular recreation area, Perkins also spoke about where the cleanup efforts went wrong. His main point was that the current policy is to correct pollution problems in the river rather than stopping them at their source — the polluters. He also stressed that the cleanup program is far from ended.

Although the river looks clean today, there still remain tons of dangerous sediments which have collected over the years. These sediments consist of heavy metals and other unconventional pollutants that the treatment plants are not designed to deal with. A recent study has confirmed that wildlife is dying from these substances in the river. It will cost an estimated 35 million dollars to remove these wastes and there is no money at the present to do it with. The problem is getting worse and there is some concern about the rising levels of mercury found in the river's fish.

Perkins also described the lack of balance in the cleanup efforts. Most of the effort was and still is focused on the removal of pollutants after they have entered the river, as opposed to stopping their entrance into the river in the

(continued on page 5)

...Outlook uncertain on campus lighting

(continued from page 1)

Miller is relatively unfamiliar with the problem, since he joined the WPI staff this summer replacing Gardner Pierce. Miller did state that he wanted to correct any deficiencies with a careful study and planning.

Dean Begin-Richardson, when asked why nothing had been done all last year, explained that the Office of Student Affairs had given the survey to Plant Services and had expected that progress was being made. A check by her office last month brought a reaction of surprise when it was found that nothing had really been done. Dean Richardson stated that the lack of lighting in certain areas was a serious problem that should have been corrected months ago. She also reminded students not to take their personal safety too casually, and to utilize the escort service provided by campus police and SNaP when necessary.

Vice President Reeves, also interviewed by Newspeak, echoed the feelings of Dean Begin. Reeves indicated the need for more lighting in certain

areas. He expects results as soon as Mr. Miller has had time to assess the situation.

Weinshenker has been told that some of the problems may be rectified before winter, but hasn't been given any specifics. Though he is a bit frustrated by what has happened so far, he expects results soon. He did make it a point however to bring up the issue of lighting problems off campus. Here, there is another situation. Weinshenker in his initial report last year stated that many of the side streets such as Einhorn Road and Trowbridge Street have streetlights, but the lights are either burnt out or obstructed by trees. It seems the school has had very little progress in getting the city to fix these problems. Weinshenker stated that he isn't really sure whether the school hasn't pushed hard enough or if the city just hasn't listened.

In a few weeks, more results should be known. Hopefully, there will be some improvement in the situation after Mr. Miller has talked with Weinshenker and has familiarized himself with the situation.



— Dan Jacavanco.

Political activist Karl Hess prepares a sculpture for the WPI campus. Hess is promoting his Academy Award winning film "Toward Liberty: Conversations with Karl Hess." He appeared in Olin Hall last Thursday.

...Office of Residential Life

(continued from page 1)

is advising renters of their rights and responsibilities in dealing with their landlords. Although most landlords are not out to defraud their tenants, last year Student Affairs began an awareness campaign to aid renters. She stresses that almost all problems can be avoided if the students make sure that everything about the agreement to rent is in writing — never assume anything.

Additionally, the Greek system is her responsibility. Recently, this meant imposing stricter rules about fraternity parties. Normally her role is that of advisor/liaison, not legislator. For example, she has begun preliminary work in organizing a food co-op for the fraternities. She contacted vendors who were willing to sell food less expensively in exchange for the mass market the 450 fraternity brothers would create.

She also helped organize an anti-hazing campaign in conjunction with IFC, of which she is a permanent member, featuring an appearance by Eileen Stevens, the mother of a boy killed in a hazing accident who tours nationally to make fraternities aware of the dangers of this problem.

Finally, she also encourages visiting the office if you have a problem, but also if you have a suggestion. Many innovative ideas have been offered and implemented by students, such as the sign-out paint kits available to dorm residents who are tired of the color of their walls. She's willing to consider sponsoring social activities — Riley Hall went to Boston recently, and the Stoddard complex had a barbecue two weeks ago. This is in addition to expanded dorm programming that she plans with the Resident Advisors.

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...much remains to be done in cleanup of the Nashua River

(continued from page 4)

first place. There still exists illegal dumping in the river and near the river banks which seeps into the river. A great deal of these are unconventional pollutants which the treatment plants cannot deal with. There are a number of cities along the banks whose sewage systems

are not up to the levels they should be. Some of these outdated systems allow sewage and rain water to mix at times of heavy rainfall which then washes into the river essentially untouched by any treatment.

The cost of updating these systems would be large, but the cost of a polluted

river and the loss of potential income from a recreational area may outweigh them. Accurately predicting the economic cost of a river cleanup is difficult but approximations can be deduced. Perkins suggested that this is a good topic for WPI students to do as part of their project requirements. Although still

open to suggestions, the Watershed Association has formally submitted some project proposals, including environmental mapping, water supply and growth, and a study of pollutants in wetlands. Students interested in using the Nashua river as a source of projects should contact professors FitzPatrick and Demetry.

Crossword Solution

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HER SPRAY SHE
ORE TROPE PUN
PEA ROME WAND
PRIMP FA
RA EPI POISES
ALP ENTERTAIN
SEES EON SAGO
PRETENDER RHO
STREET TUN TD
AL ARBOR
TEAL ALAI OWL
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OTO BANES ETA
    
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CAMPUS CAPSULES

German Club

The German Club will be meeting on Wednesday, Oct. 6th at 7:00 p.m. in the World House. The election of officers will be held at this time. Anyone is welcome to attend.

Sig Pi Lung Run

The Sigma Pi Life and Breath Lung Run was held on Saturday October 2, with 24 runners participating. Here are the top finishers:

Male	
1st Peter Hopfe	27:22.2
2nd John Grundstrom	27:22.7
3rd Jim Connell	33:34.0
Female	
1st Ellen Regan	37:14.2
2nd Sue Thibedeau	43:00.7
3rd Pam Fearn	57:11.4

Tom Holmes was leading money winner.

Student Government Meeting

The Executive Council of the Student Government will be holding its monthly meeting on Thursday, October 7, in the Library Seminar Room at 7 p.m. The meeting is open to all students.

Men's Club Volleyball

There will be a brief organizational meeting October 6, at 4 p.m. in the conference room on the First Floor of Alumni Gym. Everyone and anyone interested is invited to attend.

Yearbooks

Peddler '82 can be purchased by any student, faculty member, or department for \$15.00. The yearbooks can be purchased in Dean van Alstyne's office during office hours. Please send departmental requests to Peddler Box 2488. Students enrolled full-time as members of the classes of '83, '84 or '85 for the 1981-1982 school year can pick up their books in Dean van Alstyne's office with no additional charge.

Yearbook Meeting

The Peddler '83 staff is seeking help with cover design and graphics work. A brief informational meeting will be held on Thursday, October 5 at 11:00 in the Peddler Office (located in the basement of Riley-Alden side).

A sense of hopelessness

by Annamaria Diaz
Newspeak Staff

When academic and personal problems arise most people deal with them satisfactorily. There are times however, when it is more difficult — times when everything just gets constantly worse. When someone's problems appear unsolvable and there seems to be no hope for the future, he or she may contemplate suicide.

The student who is in a suicidal crisis may be in a situation: 1) which appears unsolvable and intolerable, 2) which leaves him or her feeling helpless and hopeless, 3) where there is pressure for a rapid solution in spite of the facts, and 4) where suicide is seen as the only way out.

At WPI there are a number of resources where the student can obtain help. The student contemplating suicide can contact his or her RA, Counseling Services, Student Affairs staff members, and faculty. These services are naturally confidential.

A student who contacts any of these persons will be counseled by a trained therapist during the crisis period. Thereafter, the student would continue counseling with a trained therapist until the student and therapist agreed that it was no longer necessary. This counseling may be at WPI if the staff psychiatrist feels the environment and services available are suitable for the student's needs. If the psychiatrist feels the student would be better off receiving therapy elsewhere, the student would be given a medical leave of absence. This type of leave entitles the student to return to WPI with no change in academic status on condition that WPI's staff psychiatrist and the student's therapist agree that he or she is ready to deal with the environment here.

(continued on page 7)

JOSTEN'S GOLD RING SALE

\$15 off 10K Gold \$30 off 14K Gold



SEE YOUR JOSTENS REPRESENTATIVE.

OCTOBER 6TH AND 7TH
WEDNESDAY AND THURSDAY

\$20.00 DEPOSIT REQUIRED

10 AM UNTIL 4 PM

WPI BOOKSTORE

COLLEGE SALES & SERVICES

...bottle battle

(continued from page 1)

Obviously, this report may be a little biased. I couldn't get much information from the anti-4 groups. Their strategy is one of stealth. Using their vast stores of money, they have been attacking the voters by mail. According to Mr. Jenks, they believe that openly attacking the Bottle Bill would only turn the voters away from their cause. They believe that if you tell the voters not to vote for the bill enough that the voters will in fact not vote for it out of sheer ignorance of the facts.

LETTERS

An alumnus' thoughts on the plan recommendations

To The Editor:

I am pleased to see Dean Grogan's critical re-evaluation of the Plan and the strong student response to his recommendations. Continuous monitoring of this should be standard protocol in any experiment. As an alumnus who followed a different career pathway than most WPI graduates I wish to share a few thoughts regarding the recommendations offered in Dean Grogan's letter to the faculty.

First, as a historical point, my class was the first in which all of its members were required to graduate under the Plan requirements. My attraction to WPI was the Plan which indeed still holds true with others considering the 68% increase in applications during the six years. It is fair to say that when WPI took both the academic and financial gamble in the late 1960's, opportunity was at its doorstep.

Perhaps the most unique aspect of the Plan is the competency examination. It allows both internal and external monitoring of the effectiveness of the Plan. As Dean Grogan states its oral defense, as in any oral presentation, is influenced by subjective criteria therefore one should either pass (competent) or fail (not yet

competent). Opponents of this logic would argue that an individual's future success is influenced by subjective criteria (i.e. personality, appearance, articulation). Indeed this is true, however examinations in the university setting by definition should be purely objective and by reducing the number of variables, for example the number of grades, hopefully the exam grade will be influenced less by subjective criteria. These words cause some painful memories for me as I was the first student to publicly challenge a competency exam grade. If a pass/fail system is adopted the question now raised is how is the honor of graduation with distinction/high distinction conferred. Dean Grogan is correct when he states that a requirement of distinction work in six units of academic course work or MQP represents a philosophical change in the Plan by placing a premium on coursework. The best alternative is to simply base the requirement of a B.S. with Distinction on receiving distinction grades in the MQP, IQP, and Sufficiency.

The next proposal and perhaps the most debated is the question of the grading system. One of the initial drafts

of the Plan called for simply a pass/fail system which is more in concert with the Plan; that how one can apply knowledge is the true barometer of one's skill rather than the ability to memorize information. However with concern about decreasing both motivation while in college and ability to compete in the employment/graduate school arena the grade of AD was added. I suspect that most readers agree that returning to the traditional A, B, C, D, F grading system is inconsistent with the Plan. Dean Grogan argues that the lack of a B grade is detrimental since first it leaves the applicant at a disadvantage when applying for graduate school, employment, or scholarships and second it decreases motivation once a student realizes that he/she will not be able to obtain an AD grade and therefore performs marginally. I wish to address these observations separately.

Indeed WPI graduates are at a disadvantage when applying to many graduate schools, employment, and scholarships however the lack of a "B" grade or its equivalent is not the etiology. The difficulty is when an interview committee must review large numbers of qualified candidates and suddenly they see such phrases as acceptable, acceptable with distinction, and deferred in lieu of the more traditional system which the other thousands of applicants present with (relating my personal experience with medical school admission committees). As the numbers of applicants increase more emphasis is placed on numerical criteria (board scores, GPA) as initial screening mechanisms. The grade of acceptable with honors would only add to the confusion and enhance the probability of the transcript with its two page description of the WPI Plan to be placed in the dreaded circular file. There are simply too many qualified applicants who have a GPA on their transcript. One solution is for those

applications requiring a GPA is to report the AD and AC grades followed by their numerical equivalents. For example AD/A/4.0 and AC/B-C/2.7 and calculate a GPA based on this information. Previously this was done on a separate sheet perhaps indicating the reluctance on the part of WPI to make such conversions. This "Rosetta Stone" approach is only one of many variations on a theme, and other recommendations would certainly be welcome.

In response to the observed decrease in motivation once an AD is felt to be unobtainable, I must admit that this does occur in some cases. However isn't this consistent with the philosophy of the Plan? It allows the student to concentrate more of his/her efforts on the coursework or project work to which the return of benefit is the greatest. Of course there are those individuals who will use the extra time to pursue those enjoyable (and quite memorable I may add!) nonacademic activities. However one must remember that WPI is not the environment for the unmotivated student. There are numerous other institutions who function "in loco parentis."

The last proposal I wish to address is recommendation #7 which recommends that all projects be formally presented. This is an imperative skill to develop and should be practiced as much as possible. However in keeping with my initial argument that the competency exam grade remain free of subjective influence by the formal presentation.

I have offered my comments of just a few of the recommendations made by Dean Grogan and added a few personal insights which I hope will be useful. The pages of *Newspeak* continue to offer a forum in which WPI students, past and present, may articulate their views on this most important subject. As Emerson kindly reminds us "the secret of education lies in respecting the pupil."

Bruce Minsky, MD '77

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 do not necessarily reflect the opinion of the editors.

Newspeak

(USPS 535-480)

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

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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* is a member of the Columbia Scholastic Press Association. *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 of the Saturday preceding publication. Typesetting done by Lapiente Associates. Printing done by Enterprise Printing and Graphics Company. Second class postage paid at Worcester, Massachusetts. Subscription rate is \$6.50 per school year, single copies 50 cents within the continental United States. Make all checks payable to WPI *Newspeak*.

COMMENTARY

On the death penalty

by Joe Sheehan
Newspeak Staff

A recent Gallup Poll showed that two out of three Americans surveyed favor the death penalty. In 1966, only 42 percent of those surveyed were in favor of this law. The increase may be attributed to growing public dissatisfaction with the handling of convicted murderers.

Presently, there are over one thousand prisoners on death row. And even though there have been up to two hundred prisoners sentenced to death each year since the mid-seventies, only five have actually been executed. Of the five, only one was executed against his will. The four others chose death rather than the almost endless series of appeals through state and federal courts that are available to them. The rest of the thousand-plus death row prisoners are taking full advantage of habeas corpus petitions, which in practice enable a prisoner to go through the entire appeals process a second and even a third time.

Last year a federal judge was quoted as saying, "The existence of the death penalty in this country is virtually an illusion." Since that time however, the Supreme Court has made three important decisions to restrict a prisoner's use of habeas corpus petitions. Couple this with the fact that the Reagan administration has proposed similar legislation, one can see that time is running out for

the death row population. In fact, a recent study by the Justice Department concluded that the United States will be executing a lot of prisoners by 1983-84.

It will be interesting to see how American sentiment will change once mass executions actually take place. Will the Gallup Poll still show two-thirds in favor of the death penalty? Media coverage of the executions may play a roll in American opinion.

Demonstrations will be held by those opposed to the executions. The opponents of the death penalty base their principals on ideas such as, "thou shalt not kill," "two wrongs don't make a right," and generally that medical attention should be given to these psychologically unsound people.

Those in favor of the death penalty believe it serves as a deterrent to would be murderers. Also, many simply believe that one who kills should be killed. And of course, there's the economic aspect, a lot of taxpayers resent their money being spent on murderers. And finally, many of the pro death penalty population simply don't trust the United States parole system. They worry about convicted killers being back on the streets in fifteen years.

Most people find themselves agreeing with both sides. It's a tough decision to make, but one that will probably confront voters in the future.

COMMENTARY

Not just a course, an adventure

by David F. Wall
Newspeak Staff

In the past, I have noted in this column particular courses and my experience in them, because of their popularity or unpopularity amongst a significant portion of the student population. Last year, I could be general, as I was taking general courses. Now, as I have begun

course. A lot of homework. Not just because there's some kind of sadistic conspiracy in the EE Department, no matter what some of the people in the course are saying. There are skills that require a lot of practice, and circuit analysis is one of them (it says in the red book). So, there's a lot of practice.

The practice culminates in the weekly exams, where 200 students pour out

OUT OF TURN

my quest for a B.S. in earnest, I can not generalize, and must deal with my specific discipline.

I am an Electrical Engineering major, and of course, my task begins with EE2001, Fundamentals of EE I. Innocent enough, don't you think. Ha Ha. That's innocent is the same way that MA 2051 is Ordinary Differential Equations. Ask anyone who's survived that how ordinary it is.

The entire trouble with EE 2001 is that it is accurately titled. They do teach the fundamentals there. This is where it all begins. That is why the course has the effect it does on the weak of heart. A lot of people change majors after EE2001. If they haven't been hauled away to the quaint little state hospital further up Route 9.

At one time, people faced this obstacle at 8:00 in the morning. Rather like having to cross a pool of alligators to get out of bed, especially for those who simply do not function before 10:00 a.m. The EE Department, or perhaps the scheduling office, displayed their infinite wisdom by moving this class to later in the day, so that those who have been doing their homework all night have a prayer of making it to lecture.

This brings us to one of the significant features of the course — The Homework. With capital letters, yes.

There is a lot of homework in the

their soul on whatever topic is on the block this week. Fifty minutes to tell everything you know. It doesn't take some people long — in spite of all that homework, sometimes it just don't sink in, and it only takes seconds to get the point awarded for one's name. Not that it's any picnic for anyone else, either. People who have EE roommates have probably heard all the terrible stories about this class, that is, when they have time enough to talk with all the homework.

And the staff must get dragged down into the dust with the rest of us. Most of them were once sophomores here and having to sit down and look at all the homework and tests must be reliving a nightmare. And then there's Doctor Majmudar, a genial man who must wonder why he walks into Newall Hall to lecture to what must be 200 confirmed enemies. We know it is for our own good, but people under this kind of stress look for scapegoats, and there he is, standing at the front of the hall . . .

As a friend of mine so aptly put it, it's nasty. For everyone. But that's the way the world is. Ask an EE about the law, and he'll bring up a guy named Kirchoff. Talk about rebellions, and he might ask how many ohms the resistance is.

So, be nice to an EE today, for all they're going through. And don't worry. Those red stains on their hands aren't dried blood, but the dye coming out of the cover of the textbook.

The glass wall

by Stephen D. Rogers
Newspeak Staff

"So you're back again, reading a bit to break up the day. Probably hoping for a laugh because your life is so empty without them. Maybe you expect a little weird journalism, maybe weird fiction, but you're looking for a high off my nightmares. You little fool."

He put some heavy metal madness on the turntable, cranked it up until the headphones spit in protest, and putting on the headphones laid back down on

my might. "Let me out!" I screamed, producing only gurgling sounds as the attempt bubbled the blood flowing down my throat. The headphones fell to the floor.

Walking the empty streets — was there no end to it? And there was another phonebooth. He felt through his pockets again, no dime but again the quarter. He knew the number but had no one to call. It started to rain as he crossed the street. Someone leaned on their horn.

RANDOM RAMBLINGS

his bed, staring at the bunk above him. Such a nice design, springs holding back metal hooks which all held each other back — how did they put it together? Like a little civilization. In the middle of the mattress, two stripes which created a road down the bunk; he followed it with his eyes, faster and faster until he was flying down it. Glancing the curb as he held the outside of the turn. They had him in a squeeze play. Coming out of the turn, two cruisers were racing towards us, the one in the rear switching over to my lane. The car in front of me pulled off to the side, I hit the gas momentarily leaving the one behind me behind. The cruiser's lights were confusing as they kept throwing everything into red—shadow—red—black; I couldn't judge if I could leave the road and pass them without hitting something. There had been an accident up ahead, and then I was on it. And the cruisers were on me. I jammed the pedal to the floor and spun the wheel, just cutting between the two cruisers. The guy behind me didn't make it. And a heavy bass crescendo splattered his brains against the walls, the headphones falling from his headless shoulders onto his lap.

He wrote his name on the top of the exam, and then just stared at it. He didn't care anymore, not at all. He couldn't even read the words.

And I turned and started tracing my fingers through the blood on the wall next to me. I got halfway through the alphabet before I dove at the metal hooks above me, shaking them with all

"Red lightning, white lightning. Flying away, floating away, wasting away."

I got out of bed and started towards the door — got out of bed and started — got out of bed and — got out of bed — laid there and stared off into space. You can't outrun the fallout.

"Point at me an accusing finger
I took out your wife.
Hand me a brick to put in the wall —
I'll take out your window
Give me chains to hold me down —
I'll take out your windscreen
Give me the finger — I'll take off your hand
Point out my foes and a gun to make a stand —

I'll shatter your glass walls
Then slit your wrists
With the shards
Of a shattered reality
Of a shattered sanity."

The judge wiped his nose with his sleeve and then spat out my sentence. "This course finds you guilty as charged, the prosecution proving beyond a shadow of a doubt that for no logical reason you held a door open for someone else. As such a menace to society, you are sentenced to hang."

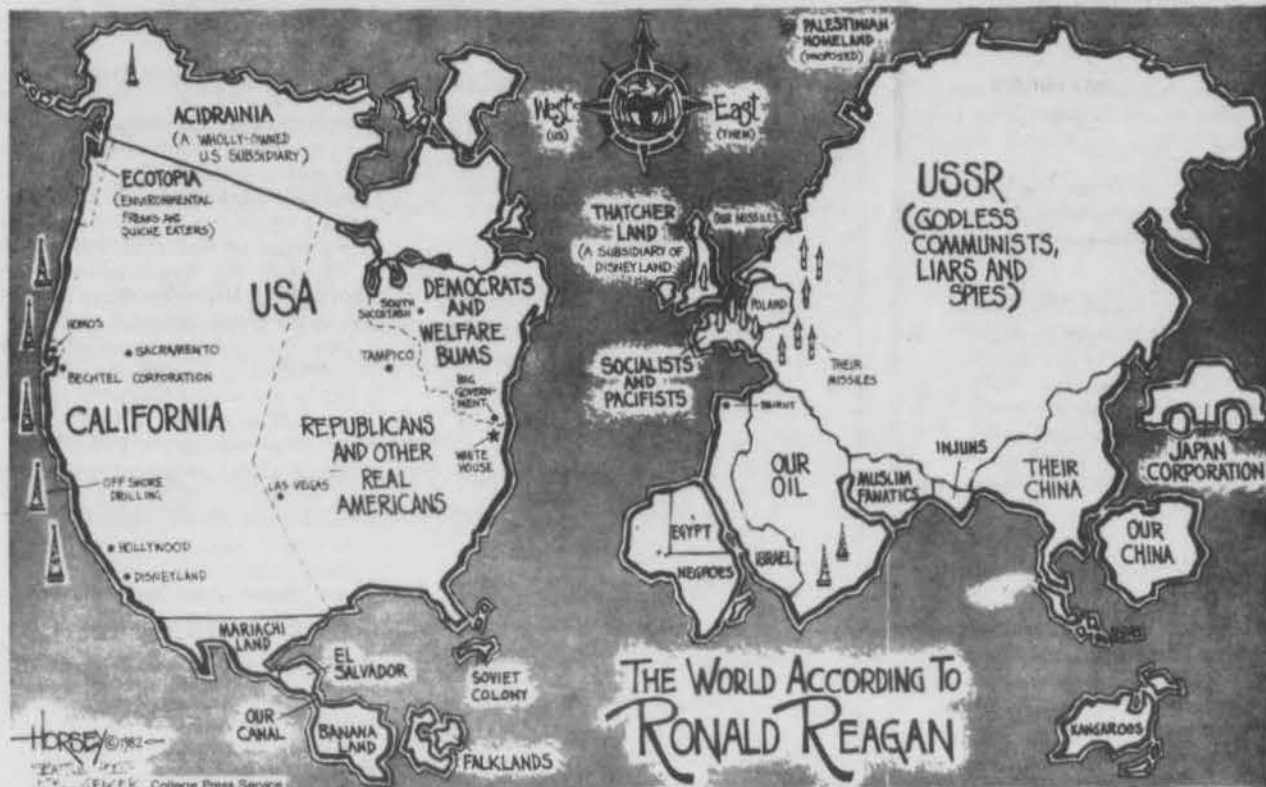
I laughed out loud. "Well excuse me for being a human being." Then I pushed my middle toe of my left foot which turns out to be the triggering device to the explosives planted in my brain. The courtroom ceases to exist. I brush an eye off my right shoulder and start tracing out my next article on the blood-stained wall.

...Counseling Services

(continued from page 5)

Suicidal tendencies rarely develop overnight. Depression and severe depression generally precede any crisis. The person contemplating suicide will often give out warning signs or 'red flags', which may be verbal or non-verbal. Some examples of these include the person giving away prized possessions, or having 'flat emotions', that is, he or she will not react to anything. Sleep patterns may also be altered. There may be stages when the person sleeps all the time but is chronically tired because the sleep is very restless or the person may not sleep and will walk around like a zombie. Another important sign is verbal. Someone who talks about killing himself and especially those who have verbalized a specific plan, may very likely carry it out. The suicidal person almost always displays more than one of these signs.

If you or someone you know is displaying these characteristics you should contact at least one of the persons at WPI who is trained in dealing with these problems; either Counseling Services or a staff member from Student Affairs. The contact will be able to give you advice on how to encourage the person (or yourself) to seek assistance and how you can help out most.



Visiting professor speaks on Scottish exchange

by Geoff Strage
Newspeak Staff

Professor Keith Jacques (pronounced "Jakes") is a lecturer of Management Science in the University of Sterling in Scotland. An Englishman from the Midlands, Prof. Jacques received his doctorate in Chemistry from Queen's College in Oxford. Having been invited to give lectures on Energy Management at an Energy Conference in Canada, he decided to visit WPI and organize an exchange program between WPI and Sterling.

One of Sterling's assets to the foreign student is its Bursary scheme. This scheme offers free accommodation to any student who pays full tuition (about \$7500.00 annually). The exchange will not be of actual lectured courses, but in projects, (IQP's or MQP's) especially in the Management Department. The University has contacts in industry and commercial situations for projects in Chemical Engineering, with Ciba-Geigy, British Petroleum, Shell and so forth; in Management with Administration of Welfare Services, the National Health Service and so forth. WPI should have two Scottish students here in January '83 and two WPI students will go to Scotland for the second half of the year; the exchange should expand from there according to demand. Anyone who is interested in going to Sterling may contact Prof. L. Schachterle.

The WPI Plan, Jacques thinks, is "very special," and finds our Co-op schemes and interactions with industry interesting, both of which Sterling does not have in the same depth and breadth. Of our stress on project work, he is worried that a student might be able to get by, doing well in only some specific project, and not having reasonable breadth of knowledge. This is "the very antithesis of the British system." He thinks a middle way is required. The professor agrees that the Comp as it is brings out the depth and the breadth of knowledge, but must it be maintained to "prove to the outside world that people have been thoroughly qualified in their disciplines?"

Professor Jacques believes (or says) that the British system is no more as decidedly elitist as they were. Having been educated at King Edward's, Birmingham (a public school) where they did not board but they still "played rugby and did all the right things," he feels "there is no doubt that they produced the very best that could be produced out of an intensive and specialized education. What has now transpired is some-

thing more equalitarian, or broadly based, the comprehensive school system; the old grammar schools and public schools are slowly being absorbed by that system. But there has also been a very definite deterioration of standards, mainly because the right number of qualified teachers to teach the high technology subjects are not forthcoming."

the education of parents of underprivileged families who are not reaping full benefit of the state system to encourage their kids.

On the college scale he feels that Britain is behind the U.S. in qualified teachers with experience in industry, but both countries suffer from a lack of outside encouragement to learn from peers and family.



Prof. Keith Jacques.

— Dave Drab.

He agrees that there is a strong connection between schools, universities and industry, and that many of the country's problems in industry stem from problems in universities and schools.

He believes now that the system is not very elitist and is now designed to give people a more even opportunity. "Whether you are poor or rich you can get the education opportunity. If you've got the guts to work, you'll get through the system. We are more exam based but that's not the real problem. The underprivileged have just the same chances through the state system, of qualifying for a university place as anybody else." He believes that the fundamental issue is

Both the British and the Americans love parties; but there are no fraternity-like structures in Britain. The professor feels that the Americans have an even greater need to let off steam 24 hours a day than the British equivalent. Realizing his judgment is biased by repeated awakenings due to his fraternity neighbors, he feels that the Americans suffer either from "emotional instability, more difficulty in coming to terms with total adult responsibility," or some such problem. He believes that social behavior may stem from the generous freedom that we Americans pride ourselves in. This freedom says Jacques breeds a questioning of authority (a good thing because authority ought to be questioned) and a license to be selfish which leads to a lack of respect, carelessness, lack of self-discipline and aggressiveness.

Many students here are self-financing, and thus more serious than the equivalent British student (all British universities are public). Our sports and extra-curriculars are in greater depth and breadth with a higher degree of professionalism (e.g. football) with more people, effort, money, and "razzamatazz" than sports in Britain.

Students politics at Sterling are much more volatile and near the surface than at WPI, both on the campus scale and the national scale.

Both Sterling and WPI apparently have a lot more than just engineering and management in common, however, and an exchange to Sterling I'm sure would be a very enlightening way to do an IQP or MQP, and I'm sure this will be a popular exchange program. We should all be glad to have this valuable contact.

Soccomm previews

Tuesday, October 5

Cinematech Film Series presents "Stevie," a visualization of the reclusive English poet Florence Margaret (Stevie) Smith. The movie is open to the public and begins at 7:30 p.m. in Alden Memorial Auditorium. There is no charge for admission.

Wednesday, October 6

Spectrum Fine Arts presents Dr. Isaac Asimov at 8:00 p.m. in Alden Memorial Auditorium. The author of many great science fiction books, Dr. Asimov is sure to be interesting and entertaining. He will lecture on "The Future of Space Exploration." Admission is free and open to the public. WPI students receive first priority for seating however, as the general public will be admitted only after 7:45 p.m. Arrive early for good seats.

Thursday, October 7

WPI's own Chalmers Brothers will provide the entertainment for this week's Coffeehouse. Chalmers, an '82 graduate and presently an assistant football coach, is a multi-talented performer. He's very competent on the acoustic guitar, although his best assets are his excellent vocals and meaningful, sometimes funny, lyrics.

Before returning to WPI to coach football, Chalmers played the local bars down in Louisiana. Those who saw him

perform at the coffeehouse last year will attest to his talent. He performs some popular tunes very well and his originals are very entertaining.

So come on down to the Wedge at 9:00 p.m. to see a southern man with outstanding vocals.

Saturday, October 9

"The Catch," a popular Boston Nightclub band will play the pub at 9:00 p.m. They do a lot of original material as well as some pop-oriented cover music. "The Catch" was the house band at Boston's popular bar, The Channel. So you can be sure of good danceable tunes this Saturday night.

Sunday, October 10

Lens and Lights/Soccomm presents "Richard Pryor — Live on Sunset Strip." Admission is one dollar and the movie will be shown at 6:30 and 9:30 in Alden Memorial Auditorium.

Monday, October 11

Spectrum Fine Arts presents "Bob Fellows — Magician," at 8:00 p.m. in Alden Memorial Auditorium. Sleight of hand, comedy, Houdini escapes, illusion, and mental feats are all part of Bob's act. It should be very entertaining and admission is free.

Worcester Polytechnic Institute

Second Annual Class of '39 Lecture on Technology and the Free Enterprise System



"Automotive Competition and the Productivity Challenge"

ROBERT C. STEMPEL

A key figure in the executive ranks of Corporate America.

- Vice President of General Motors Corporation since 1978 and presently General Manager of the Chevrolet Motor Division.
- 25 years in the automotive industry including development of the '77 Chevrolet, Motor Trends "Car of the Year", the Front Wheel Drive Toronado and the Catalytic Converter.
- WPI, Class of 1955, Member, Board of Trustees, received an Honorary Doctor of Engineering Degree from WPI in 1977 and the Robert H. Goddard Award from WPI in 1980.

Thursday, October 7, 1982

7:30 PM Kinnicut Lecture Hall

Salisbury Laboratories

Organized by the Division of Interdisciplinary Affairs

classifieds

1975 HONDA CYCC — Tinted glass, 35 mpg., intermittent wipers, front spoiler, car looks excellent inside and out — runs great!! Yellow with black interior. \$2000. Jack, WPI Box 2735.

LZ — I'm kicking myself for not having met you earlier. This summer might have been a little more interesting... — Not-so-secret-admirer

MIKE — How's Oshie doing?

ARE YOU SICK of spending hours at WACCC beating on a mindless computer? Let the Men's Chorus show you New England at its best. Write Men's Chorus, Box 2517.

TERRY: How's Louise doing?

ATTENTION FEMALE POPULATION OF WPI: Beware of the Birthday Boy waiting on the stairs of ATO. Happy Birthday Mark! Love Chuck and Red.

J.C.: I think your attitude is getting better... you know what I mean!

I GOT A ROBOT... IN KALAMAZOO.

GRACE — I LOVE YOU!

SUZY-Q: Have you gotten the cheese to melt yet?

BOSKONE, the big Boston S.F. convention in Feb. '83. WPISFS may be trekking in. If interested contact Pres. P. Bray at WPISFS Box 2544.

WHO IS JOHN GALT? Interested in forming an Objectivist Society on campus? If so contact Eric Thoresen at Box 2119.

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

ATTENTION Faculty and Student! Don't make any plans for Thursday Nov. 4. Follow Newspeak for more details.

Campus Police would like to wish Cheryl (P5) a Happy Birthday. To celebrate the event, all arrests are on the house, including free cruiser rides downtown. Just don't ask her to write the report — over!

MUSICIANS, M or F needed for newly forming band. Ld Guitar, Multi-keyboards, and Drummer. Vocals helpful. Top - 40 and Oldies. No drugs or pot. Call Rick at 791-3211.

FOR SALE — 1970 Camaro, very good condition, very many recent parts, brown with black and vinyl top, V-8 engine, FM radio, automatic. Need to sell. \$1,200 or best offer. Call 791-7632 after 6.

ANYONE interested in running and/or writing for a science fiction/fantasy fan magazine please contact the WPI Science Fiction Society c/o Peter Keane, WPI Box 1569.

TOM: GOOD SHOT, SAY HI TO D.T. and THANX FOR THE SKETTI RECIPE. CHUCK & RED.

PSE LASER MAGNUM COMPOUND TARGET BOW. 12 ARROWS, CHECK IT SIGHT WITH LEVEL. STABILIZER, RIGHT HAND. PAID OVER \$450. ASKING \$300. JACK WPI BOX 2735 OR 792-9522.

DOUG: KEEP ON JUMPING, A FEW MORE FATHOMS YOU'LL GET THAT PENI RED & CHUCK

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
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 _____ 6
 _____ 7
 _____ 8
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All classifieds subject to space limitations.

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SENIORS

During B term Newspeak is going to help you prepare for your comp, help you sharpen your technical skills, and steady your nerves. A new twist for the academic torn. For further details, see the next issue of Newspeak.

WPI Science Fiction Society Welcomes Issac Asimov to WPI 8:00 P.M. Wednesday Alden Hall

Road trip successful

Engineers clobber Colby 26-3

by Jeff Lenard

After two successive victories at home, the WPI Football Team took to the road and again emerged unscathed against Colby in Waterville. WPI won the game 26-3, and appeared to be in control throughout. However, the game was marred by several cheap shots by Colby and some questionable officiating.

lewicz making the tackle. The Engineers unfortunately experienced the same plight on their next possession. Although they began to gain on offense, they were stopped on fourth down this time as well. As the first quarter ended, the score remained 0-0.

On WPI's first possession in the second half, they were again able to



Chip Bienia slides through the hole for a big gainer. — Dan Jacavanco.

SPORTS

Because of the strong winds Saturday, WPI tried to limit their offense to a steady ground game and was successful for most of the game. This was due mainly to the fine blocking of the entire offensive unit. The blocking enabled Chip Bienia, John Salvatore, Jim Leonardo, and Eric Kapantis to run at will all afternoon. The defensive unit was impressive as well, rebounding from last week. They were able to shut down Colby on offense, but were aided by three turnovers. All in all, the victory was a total team effort.

In the first five minutes of the game, the WPI defense showed character as Colby was driving in WPI territory. The defense forced a fumble and Jim Jackman recovered it for one of his two turnover recoveries. However, the Engineers had not yet jelled on offense, and could not score. On Colby's next possession, they again mounted a drive and had reached WPI's 24 yard line. However, on a fourth down and two to go, the defense held with Roger Uszak-

move the ball on offense. After the defense forced Colby to punt deep in their own end, WPI used their good field position and mounted a drive. Finally, on a first and goal situation, quarterback John Scacciotti took an option play in for a touchdown, capping a thirteen play drive. Dean Ayotte's kick was good and the Engineers led 7-0.

On Colby's next possession, the defense held them again, and WPI had the ball on the Colby 35 yard line thanks to Ken Perry's 43 yard punt return. Five plays later the Engineers scored again, as Scacciotti took in the quarterback sneak. Ayotte's kick was good and the Engineers led 7-0.

Colby still could not score on their next possession, as they were stopped by Mike Dagle's interception on the Engineer 37 yard line. Dagle's interception was especially rewarding considering he was substituting for the injured Rob Henderson at linebacker, illustrating WPI's depth on the squad. The first half ended with the score still

WPI 14 - Colby 0.

As the second half opened, WPI was given a slight scare as Colby managed a field goal on their first possession of the half. However, the Engineers appeared unruffled and began their own drive. The fourteen play drive was highlighted by Scacciotti's passes to Leonardo and Mark Hannigan, both of which resulted in big gains. The Engineers scored on Chip Bienia's five yard romp off tackle, and led 20-3 as the extra point was missed.

The third quarter continued to be WPI dominated, as Jim Jackman intercepted a Colby pass on Colby's next possession. However, the WPI offense could not capitalize on the turnover and punted ending the third quarter.

On WPI's first possession in the final quarter, they scored again. Scacciotti was the key in this drive as he ran two successive option plays for big gains. After a pass interference call against Colby, Bienia again took the ball in for a six yard touchdown run, and the Engineers added six more points for a 26-3 lead. A two point conversion failed and WPI still led by the same score.

Colby tried to start a final drive

halfway through the final period, but were on a fourth and short yardage by the Engineer defense with Jim Houskeeper supplying the key tackle. Neither team was able to score in the remaining minutes and the final score stayed at 26-3.

Although the score is not indicative, WPI totally dominated the game. If it wasn't for some questionable calls against the Engineers, including Leonardo's 90 yard touchdown romp on a kickoff which was called back due to a WPI penalty, the score might have been greater. However, the Engineers have to be pleased with their performance thus far this season. Saturday's defensive heroes were Brian Fuller, Bill Abbott, Co-captain Joe Phelan, and John Bibinski. So far, the WPI squad has outscored its opponents 129 to 35 and appear to be on the way to their best season ever. The Engineers' next test will be on Saturday as they play Lowell in Lowell. Hopefully, they can increase their record to 4-0. They will have a fight, though, as Lowell was one of the only two teams to defeat the Engineers last year. However, this year's edition of the WPI team appears to be much stronger than last year's team.

Field hockey now 5-1

by Kelli Mackey

The Women's Field Hockey team ended their winning streak at four games with this week's 3-2 loss to Connecticut College.

The first half was marked by aggressive offensive play on both sides; however, WPI was lacking defensively. Connecticut College scored their three goals in the first half due mainly to poor coverage in the defensive circle. The offense made a number of attempts to score but none succeeded and the half ended with a 3-0 Connecticut lead.

The second half proved to be quite the opposite as WPI picked up momentum both offensively and defensively. Sophomore Chris Clancy scored on a penalty stroke after one of Connecticut's defensive players kicked the ball as it headed for the goal. The lady Engineers gained even more strength after this goal while the Connecticut squad weakened considerably. With only two minutes remaining, Chris Clancy scored again on a strong drive made just inside Conn's circle. Despite WPI's valiant efforts to come back, the game ended in their first loss.

On Saturday WPI journeyed to Frank-

lin Pierce College in New Hampshire to avenge Wednesday's loss. This time WPI wasted no time in getting started. Within ten minutes of game start, WPI was ahead 1-0 on a Robin Hart goal. WPI continued to dominate and registered another goal on a Terese Kwiatkowski shot.

In second half play, Franklin Pierce was out for revenge. Their determination was clear and the WPI defense was put to work. Headed by Chris Clancy and Michelle Payant, the defense successfully led the ball up to the forward line. Robin Hart and Terese Kwiatkowski each scored again widening the gap to 4-0. Pierce continued to gain strength and eventually scored when a strong drive outside WPI's circle was tipped in by Pierce's left inner. WPI retaliated with a Kathy Taylor goal made off of Kathy Cronin's assisting pass. However, in the remaining three minutes of play, Pierce's left inner scored again. Nevertheless, the three point spread established by WPI was more than enough as the Lady Engineers upped their record to 5-1.

WPI will travel to Tufts University on Tuesday for what should be one of the toughest matches on the schedule.

Rugby posts first victory

The newly-formed WPI Women's Rugby club posted its first victory in its four-game history last Saturday against Mount Holyoke College. In the past, WPI has played Mount Holyoke twice, improving in quantum leaps until they completely obliterated their archrivals. Taking a score of 8-0 the WPI women dominated play for the entire game spending much of that time within Mount Holyoke's ten yard line.

Exemplary play was noted from captain Kris Ryding, scoring the first "try" on an unassisted run, and from Stevie Ford, bulling in from the one yard line carrying most of Mount Holyoke with

her. "Hit of the Week" went to winger "Little Annie Fanny" Pettit. The coaches, already expecting an excellent performance by freshman fullback Mary Allen playing in her first game were awed as she excelled beyond all predictions and easily earned the titles of both rookie and player of the week. Also noted were Chris "Killer" Cataldo for her consistent tackles, and Pam Berg for her hard running.

The WPI Women's Rugby Club, dominated by freshman and sophomores, is now 1-1 for the season with three games remaining and a challenging spring season to look forward to.

WPI Stars of the Week



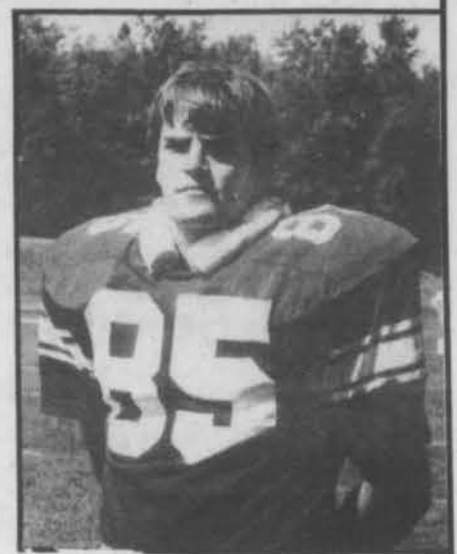
Costa Evangelakos
Hit of the Week
Defensive Player of the Week



John Scacciotti
Offensive Player of the Week



Mike Dagle
Back of the Week



Mark Hannigan
Lineman of the Week

Defense is the key to soccer wins

by Stephen Demers
Newspeak Staff

The Soccer Engineers are back on track, fully recovering from their first and hopefully last loss of the season by shutting out Lowell University (1-0) and downing Trinity College (2-1).

WPI dominated the first half play over the Lowell Chiefs, but could only come up with one goal. Dave King, in his second game back from an ankle injury, scored the first and consequently game winning goal, assisted by Tony Pileggi. The Chiefs were too busy making war in the first half to concentrate on the game. They received five yellow cards, including a team yellow and a coach yellow for unsportsmanlike conduct.

Lowell settled down in the second half, which for the most part was spent on the WPI end of the field, but the Chiefs managed but few great scoring opportunities. The Engineers had a few opportunities of their own, but the offense seldom broke half field until the

late minutes of the game.

"It was a good team effort," said coach King. "We managed to squeeze a goal in, but our forwards just aren't clicking."

It was parents day at Trinity, and the Engineers really put on a show. Although the 2-1 score may make one think that the game was even, WPI plain out-hustled and out-played Trinity. Despite the fact that sophomore star Amaro Goncalves has been sidelined with torn ligaments in his knee, "the defense did a super job," said coach King, with outstanding performances from freshmen Scott Weyman and Jeff Lueke.

The Engineers scored first, just 52 seconds into the game as captain Joe Sheehan sent a Steve King corner kick into the back of the net. Trinity retaliated six minutes later rolling one by an outstretched Jay Dumphy. From that point on, the game was all WPI.

Two minutes later, Dave King was robbed by the crossbar in one of the

many offensive attacks generated by the Engineers. Senior Tony Pileggi broke the tie with what would prove to be the game winning goal, assisted again by Steve King with still 23 minutes left in the half.

In the second half, Trinity seldom saw WPI turf. The solid defensive and mid-field play setup many scoring opportunities including a missed open net and a shot that rang the post. Sophomore wingback John Meehan had the single most defensive play of the game by clearing a ball that had already beaten Jay Dumphy and had "goal" written all over it.

Everyone's heard that "the best defense is a strong offense." Well, for the Engineers, it's the other way around. A strong defense is the key to their offense, setting up many scoring opportunities. As long as the opportunities keep coming, the forwards will be able to send some home.



Gerry St. Pierre lines up a shot.

— Andy Skinner.

Volleyball defeats Brandeis and WNEC

by Marion Keeler

The WPI Women's Volleyball team added two wins to their record last Friday night when they defeated Brandeis University and Western New England College. The team played three games against Brandeis, but was able to beat WNEC in two. The victories were cheered on by a home crowd of about 50 spectators. The fans supported the team with cheers and applause, and even by singing "Happy Birthday" to Sonia Adrianowycz.

WPI faced Brandeis who had just been defeated by WNEC. The game began slowly, but WPI began to take the lead. Cheryl Macedo and Karen Casella played their serves and spikes well. Back row players Fran Weiss and Linda Plaza made great bumps, while their substitutes Joyce Barker and Barb Thissell aced spikes in the front. Setters Adrianowycz and Sue Padell kept the plays going. Jeanne Travers who substituted for Adrianowycz in the front row, likewise had good serves and spikes. The women finally made winning look easy with a score of 15-6. The second game against Brandeis did not go as well, but players Marion Keeler and Jackie Biascochea were able to play. After the defeat, 15-11, WPI regrouped, won the first serve and began the third game with confidence. Their final victory score was 15-7.

WPI then faced WNEC. Both teams

were psyched from their win over Brandeis, yet WPI had gained their momentum. They rolled over WNEC in the first game 15-10 and in the second game 15-4.

The victories of Friday's tri-match offset the team's losses against Merrimack and RIC on Monday, September 27. The team travelled to RIC and watched RIC defeat Merrimack in the first match. Then it was WPI's turn. The women took an early lead over Merrimack 11-2. After a few time-outs, substitutions by both teams and a couple of bad plays by WPI, Merrimack closed the gap to 13-13. Although WPI continued to fight, Merrimack gained the final winning points 15-13. In the second game, there was more of a battle for points. WPI achieved a better offense but Merrimack was fired up and ready for a win. The final score, 16-14, shows the close battle of that match.

WPI then faced the formidable opponents of RIC. In this match, WPI rose to the challenge and made some excellent floor plays. Unfortunately, their skill and enthusiasm did not match that of RIC who won the two games 15-5 and 15-6. In this away tri-match, the team was missing a few of their players, yet those who went were able to play.

The women travel to Stonehill Wednesday, Oct. 6, and will be playing again at home in Harrington Gym on Saturday, Oct. 9 at 11:00 against Assumption and Wheaton.



Joyce Barker leaps up for the block.

— Dan Jacavanco.

Race walking is on the move

by Jeanne Benjamin

Racewalking originated in the 19th century in Europe when endurance races were held for intervals of six days at a time. Hence, when people were too tired to run any further, they began to race walk. Race walking has come a long way since then, and is now considered to be a fine and valuable sport by many athletes throughout the world.

Although race walking is becoming more popular all the time, those who participate are still few and far between. Here at WPI, Prof. Brian Savilonis, an authority on, and active participant of racewalking, was courteous enough to provide Newspeak with vital information on this subject.

There are two fundamental rules that define the sport of racewalking. First, there must always be one foot on the ground, and secondly, the support leg, the one touching the ground, must be straight. The sport is an event in the Olympic competition and now races in the 20km and 50 km distances. Race walking is most commonly run on flat surfaces with a minimum of hills because it is hard to maintain form in hilly situations.

No special equipment is needed other than a good pair of running shoes. Race

walkers traditionally are not inclined to any special injuries, and therefore need no other special accessories. This lack of injury is attributed to the fact that racewalkers tend to stay looser and don't strike the ground with tremendous force.

Race walking seems to be attracting more and more people because it is virtually an injury free sport. It also involves many more muscle groups than running, enhancing flexibility in the race walker. Because one does not need any outstanding ability or inherent speed, it can be enjoyed by many. Approximately 5,000 racewalkers participate in U.S. competitions, the prime ages of participants range from the late 20's to early 30's. At the present time, racewalking is most popular in Europe and Mexico. Here in the U.S., many race walkers can be found in Boston, California, and Washington, D.C. Although group exercise is favored, race walkers often find themselves alone because the sport is still growing. Race walking is nearly as popular with women as with men, and because it is generally a stress and injury free sport, people can enjoy it for many years. Even men and women who are 80 years and older consider race walking to be an enjoyable and rewarding pastime.

Tennis back on track

by Liz Groleau

The WPI Women's Tennis Team is back on track after losing three matches. The weather has played a significant role in prohibiting play, matches as well as practice. But once again the sun continues to shine, enabling the women to enjoy play. The match against Gordon College that was rescheduled for last Wednesday still has not been played due to rain. Despite the bad weather earlier in the week, two matches were played this past week on Friday and Saturday.

Friday, the strength of the Brandeis squad was more than the WPI women could handle. The match score was 2-7, with wins coming from Jenny Davis at second singles and also at number two doubles with her partner Lisa Longwell.

At New Hampshire College, the tables were turned for the WPI Tennis Team posting a 6-1 win. The winning singles players were Debbie Biederman, Jenny Davis, Cheryl Buitenhuys and Thomasin Mento. Thomasin exhibited top play, winning her first played singles match in three sets. Anji Seth had a more difficult time with her opponent, but eased her off the court in doubles with her partner Jenny Davis. Debbie Biederman and Cheryl Buitenhuys played a tough net game, abusing their opponents with no time put to waste.

Saturday was a long day for the WPI Women's Tennis Team and the posted win was just what Coach Power prescribed. The team is rolling once again and will be anxious to improve the 4-3 season record this week.



Undefeated Jenny Davis lines up a forehand.

WHAT'S HAPPENING

Tuesday, October 5

Cinematech Film Series presents "Stevie", Alden Hall, 7:30 P.M.
 ME Colloquium featuring Mr. David Beach of Eastman Kodak who will present "Design and Marketing Considerations for Instamatic and Kodamatic Product Lines"
 Weekday Mass, Religious Center, 10:00 P.M.

Wednesday, October 6

Women's Tennis vs. Suffolk, 3:30 P.M.
 Varsity Field Hockey vs. Clark, 4:15 P.M.
 Spectrum Fine Arts Series presents "The Future of Space Exploration" with Dr. Isaac Asimov, Alden Hall, 8:00 P.M.
 German Club meeting, first floor of World House, 7:00 P.M.
 Men's Club Volleyball meeting, Alumni Gym, 4:00 P.M.

Thursday, October 7

Coffeeshouse Entertainment featuring Chalmers Brothers, Wedge, 9:00 P.M.
 Rape Prevention Workshop, Higgins House Library, 6:30-8:30 P.M.
 CM Colloquium, "Ethylene Oxide-From Laboratory to Plant Optimization", Goddard Hall Room 227, 11:00 A.M.
 Executive Council meeting, Library Seminar Room, 7:00 P.M.

Friday, October 8

Sweater sale in the Wedge, 10:00 A.M.

Saturday, October 9

Women's Volleyball vs. Assumption and Wheaton, 11:00 A.M.
 Varsity Field Hockey vs. Amherst, 11:00 A.M.
 Pub Entertainment, 9:00 P.M.

Sunday, October 10

Sunday Mass, Alden Hall, 11:00 A.M.
 The Reel Thing presents "Richard Pryor — Live on Sunset Strip," Alden Hall, 6:30 and 9:30 P.M. Admission \$1.00.

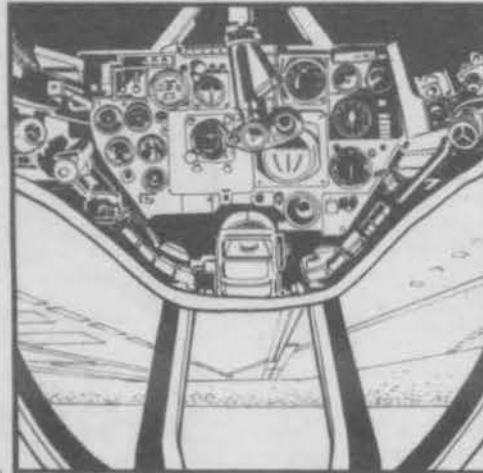
Monday, October 11

Varsity Field Hockey vs. Nichols, 4:15 P.M.
 Spectrum Fine Arts Series presents "Bob Fellows — Magician," Alden Hall, 8:00 P.M.

Tuesday, October 12

Blood Drive, Alden Hall.
 Women's Volleyball vs. USCGA and ECSC, 1:00 P.M.

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