

Lack of experience hit

Social Committee: empty seat blues

by Jean M. Martin

If your idea of a good time is doing PH 1101 homework, while listening to a Vivaldi tape, you may never get to see the handwork of Peter Kent and the Social Committee.

The Social Committee runs—or at least pays for the Spectrum-Cinemathech series, videos tapes, pub bands, nightclubs, coffeehouses, mixers and concerts. In addition to this, social fee money pays for the yearbook, a condition which may change. The social fee that each student pays is \$30, and until December, the man who controls this money is a senior Peter Kent.

Peter Kent is the Social Committee chairperson. Since his election last December, he has been slowly putting together a group of people capable of putting on a worth while show. Kent notes that in the past lack of continuity has been a problem—the people who knew how to run a proper concert, in earlier years graduated without passing this knowledge on. This lack of experience hurt, but is

being overcome by trial and error.

And somethings do go wrong. Out of 1500 available tickets for the Ronnie Laws-Pat Metheny concert, 374 were sold. There was a similar turnout for the John Hammond nightclub. Kent admits some planning mistakes—the wrong concert on the wrong night. Doing two shows for the Laws concert was planned with last year's Livingston Taylor concert in mind—a sellout crowd....To avoid turning people away at the door, of the Laws concert, two shows were scheduled, neither of which was even half full. The John Hammond nigh club was scheduled for a Thursday night, the day before the first Chemistry 1010 test.

Part of the problem is the time involved. Arranging for a group to come can't be done in a week. The planning must start months in advanced. The first decision is what kind of music the concert will involve. Back in June, for the weekend of September 30, Peter Kent decided on a Jazz concert. He spent the next month listening to jazz records and asking for people's

opinions. In July, Kent decided on Ronnie Laws and an offer, for two shows, was made through a talent agency. At the same time, an offer was also put in for the opening act. About a week later, these bids were accepted and the contracts drawn up and approved. Kent and Wayne Isaacs, the stage manager, began organizing the actual production details. The last week before the show the student stage crew met the road crew to prepare for working together. Then finally, the actual concert.

In addition to these, there are other details—such as posters, publicity, and security. In all between twenty five and thirty students worked on the concert (all concerts are entirely put on by students, except where equipment demands exceed their capabilities.)

One big problem is money. Name groups are extremely expensive and for the most part beyond the Social Committee's reach. Lesser known groups of high quality are therefore brought in. The difficulty arises because lesser known groups—and even it seems well known groups—don't bring the

people in. Without people, the budget takes a beating. Kent estimates that between the Cotton-Montgomery concert and the Laws concert, the committee lost eight thousand dollars. Loses such as this cause trouble with the future: without this concert revenue, B term looks bleak.

Student support has been a problem. Kent feels that the lack can be attributed to poor planning, not giving the students exactly what they want. A music taste survey was conducted and is still being tabulated, this will perhaps aid in ending some of these planning mistakes. Support is picking up; the Homecoming weekend looks promising, and if it goes well, there will be money to help for the rest of the year. All the social committee needs is one or two good hits to break the pattern.

Peter Kent noted that there is a move afoot, although he has no part in it, to raise the social fee. The question Techies must ask themselves, then, is shall we pay for entertainment we're not getting, or shall we support OUR Social Committee?

Newspeak

The student newspaper of Worcester Polytechnic Institute

Volume 5, Number 19, 20

Tuesday, October 11, 1977

Corporation not dissolved

Pub takeover tabled

by Tom Daniels

Contrary to publicized reports in both last week's *Newspeak* and in President Hazard's letter to the trustees, WPI was preliminarily unsuccessful in its attempt to take over the Goat's Head Club, Inc.

At a special corporate meeting held Tuesday, October 4, those members present voted to table two motions which would have allowed the Board of Directors to dissolve the corporation and turn all assets over to WPI. Thirty to thirty-five members, mostly faculty, debated the motions for almost an hour before Professor Alvin Weiss moved to table them

defined powers to set policy or to block financial transactions which they might deem as detrimental to continued good operation of the Pub. Professor Keil, however, seemed to indicate that WPI would not consent to having a stronger Board that could interfere with day to day business operations. General consensus would have it that corporation members favor having some form of contractual arrangement between the present Pub and the school, before the dissolution occurs.

Professor Weiss, by far the most vocal opponent of school takeover under existing conditions, asked the board to look into the

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until such a time as the board of directors can work out a more solid agreement as to their future duties and powers.

Most members present were of the opinion that the draft by-laws for the future Pub Advisory Board lacked both definition and backbone. The regulations, which were collaborated upon by Pub Board Chairman Thomas Keil and assistant Dean of Student Affairs Bernard H. Brown, call for the Pub Advisory Board to meet once a month, or at such a time as any two members of the board should deem necessary. At such meetings, they would receive a financial report, and a report from the Pub manager. Provisions for yearly elections, to be open to all WPI students, faculty, staff, were also made. The present board, made up of seven students and seven faculty, would not be affected.

Members objected to the fact that the Advisory Board would not have any

possibility that the Pub corporation could, instead of dissolving, itself become a wholly-owned non-profit subsidiary of the larger WPI corporation. In this way, the Pub Board could continue in their present capacity.

Members tabled the motions to dissolve after being told that such things as the transfer of license to WPI would take at least three months, and that a further delay would not be extremely difficult on either the Pub or the school. Most members agreed, however, that the current setup of a manager reporting to a committee was not in the best interests of smooth business operations.

An unexpected development occurred when, after the motion to table had been passed, Dean of Student Affairs, Donald P. Reutlinger asked the members of the corporation if they were, in view of the proceedings just concluded, ready to take over the salary of Pub manager Glenn DeLuca. Professor James Demetry, voicing what seemed to be the prevalent opinion, replied that, since the Pub board had not hired DeLuca, they were not obliged to pay him. Under present agreements, WPI and the Goat's Head Club are each paying 50 per cent of this cost.

Keil quickly adjourned the meeting, saying that another meeting will be called when the Board of Directors has had time to check out all possibilities of merger or transfer that had been discussed.



Pres. Keil makes point

Photo by Mark Hecker

Refunds upcoming

PIRG defends status

by Don Calawa

If you were one of the unknowing or unwilling few who gave two dollars from you student activities fee for the services of Mass PIRG on campus, take note. Sometime within ten days or thereabouts, there will be a table set up in the Wedge to administer refunds.

These were the welcome words of Charlie Harak, PIRG's coordinator at the WPI branch. The table for refunds will be manned for four days from Oct. 17-20. It will be open from 10:00 a.m. to 2:00 p.m. upon presentation of a WPI I.D., a \$2.00 check will be issued.

In response to a request to appear before the meeting of student government, Mr. Harak appeared briefly to discuss Mass PIRG's purpose and value at Tech. Mass PIRG is a consumer-action group aimed toward bettering the life of the U.S. citizen, by informing him-her of existing problems and uniting the public in action toward their solution. Needing "...some kind of stable funding system," they chose a negative check-off on the WPI tuition and expenses

bill. (With negative check-off, if you *don't* check it off, you *do* get the bill.)

How does one know what Mass PIRG is? Who would check off a possibly beneficial service? Tom Panak, student body president, suggested a cover letter be placed with each bill going out, explaining PIRG and its function on campus. To this end, Harak responded, "We (PIRG and the stud. gov't.) will work together on something in the spring...Even where the box appears on each piece of paper is important, and I think we should take a look at that."

This, hopefully, will minimize the amount of 'apathy monies' that is received by PIRG from the college.

While two dollars may not seem like much, examine the whole ballgame. If everyone gave out apathy, with about twenty-three hundred students at two dollars a head, four thousand six hundred dollars appear like magic. It's a lot of money to spend without inquiring where it is going.

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Editorials:

Although dismissed by some as a "dead horse" or "of little concern", the issue of the takeover of the Goat's Head Pub by WPI is not only important, but has an impact that reaches further than is first apparent.

For most of us, the Pub is the only area that exists as any type of student union. For many years, WPI had no such area, the only Pub being a small room below the present Pub, open only to seniors. When the drinking age was lowered, the idea of converting the old Snack Bar area to a larger Pub was realized because of many hours of effort by students, faculty and administrators alike. That was, and remains, the student union. It is the only place where a student is likely to meet faculty members outside an academic atmosphere. It serves a purpose that I'm sure everyone appreciates, and would prefer not to do without.

The decisions as to operation of the Pub have, in the past, been made by a group of students and faculty elected each year. The student faces change every year, while the faculty tend to remain somewhat more stable. This type of an arrangement insures both maximum knowledge of the situation and constant input from the student body as to their satisfaction or dissatisfaction with policy.

Now, however, we are faced with a decision: do we want to keep the old system, with the drawback of some confusion about who is responsible for what; or do we want to relinquish our control of the Pub to the administration in the hopes (perhaps justified) that things will run more smoothly in the future? Perhaps a third alternative should be considered — is there a midground where we, the students, can maintain policy setting powers with the faculty while turning day to day operations over to the school? It would seem that, while largely ignored before, this third alternative is the most meritorious and is being considered by the Pub board.

The reason we are opposed to the blanket takeover is simple: we are somewhat greedy. We want to keep our power to make policy, buy, sell, hire, fire and everything else that goes with the responsibility of running an organization. While I personally don't question the intentions of anyone involved at this point, it is simply encroaching on an area too close to many students for the decisions to be made elsewhere... The idea of an advisory board doesn't appeal to me, simply because I've been on some, and they have to be the most hopeless things this side of death valley.

I think the problem is quite simple; when the Pub was expanded four years ago, no one could have envisioned the course it would follow over a period of time, and sufficient cooperation and understanding between the Pub Board and some parts of the administration were not developed. We have, simply, arrived at the point where one path deviates from another and a third must be cut.

As to the implications: it seems obvious. It is very easy, when one is stonewalled, to turn around instead of attempting excavation. One surrender leads to another, and I, for one, am not ready to kick in my "fair share" and let the decisions be made for me. The practice is too widespread to let it ramble over you everywhere: you might as well stop it where and when you can. On the personal and community level, you can take steps to avoid this overrun. Maybe it's this level that's essential to control before any other can be attempted.

Perhaps you think I'm extending the possibilities too far. You may be right at that. But I'm not quite willing to try the great, irreversible experiment.

We might lose.

Rory J. O'Connor

Letters: PIRG's purpose

To the Editor:

During the week of Oct. 17, the Massachusetts Public Interest Research Group (Mass PIRG) will be giving out \$2.00 refunds to any student who does not wish to support Mass PIRG.

The \$2.00 fee which Mass PIRG collected was, by agreement between Mass PIRG and the WPI Student Government, supposed to be listed separately on each student's tuition bill; any student who wished not to support PIRG could simply deduct \$2.00 for his-her total bill. However, due to a misunderstanding by the accounting office, the fee was automatically added to the Student Activities Fee. Therefore, PIRG will be offering refunds.

Mass PIRG is a student-supported, student-directed consumer and political action group. The group is supported by about 17 other colleges and universities across the state, including, from the Worcester area, Clark and Worcester State. PIRG opened a chapter on the WPI campus when, two years ago, a group of WPI students conducted a successful petition campaign in which more than half of the WPI student body signed a petition in support of PIRG.

While other student organizations are funded through the Student Activities Board, PIRG is the only organization which

collects its fee directly from the student. However, this is only one difference between PIRG and other students groups. PIRG is also the only organization which employs a full-time year-round staff member. And it is the only organization which offers refunds to any student who does not wish to support it.

Leaving aside the issue of funding, PIRG offers many advantages to WPI students, and fits in well with the WPI plan. It offers many resources for project work, especially IQP's. Some of the projects in which PIRG is currently involved are: 1) creating a Telephone Consumers Action Group (TELCAG); 2) projects studying the nutritional value of institutional and fast food services; 3) creating a small claims advisory service. Other projects which are available include alternate energy resources, and investigating illegal banking practices.

In the end, each student should decide, for himself, whether or not to support PIRG. If, at any time, more than 50 per cent of the student population should decide not to support PIRG, all funding will be discontinued.

Submitted by
Chris Leach,
WPI Box 1839

WIYK

To the Editor:

The WPI Wireless Association is one of the oldest clubs on campus, having been founded in October 1909. Since that time, we have strived to fulfill the basic purpose of amateur radio, which is to provide a radio communications service of self training, intercommunication and technical investigation in the public interest.

We have attempted to maintain a top notch station and to provide public service to the WPI community. This has been achieved in many ways. Our station was one of the first "ham" stations heard across the Atlantic in tests held in 1922. In more recent years, we have done quite well in the many national ham radio competitions held throughout the year (yes, we are a competitive club, just like the crew team, bowling team, etc.). In recent years, our public service efforts have been most apparent at our booth at the JP Country Fair, when we have handled many messages throughout the country for quite a few WPI students. This effort is being further expanded this year, with messages being accepted through one of the members P.O. boxes throughout the year (see attached announcement). This service has already met with good acceptance. In addition, each summer we participate in a nationwide Field Day, in which amateur operators all across the country spend a weekend setting up and operating their equipment away from their homes, using generators or battery power in preparation for an emergency which we hope never comes. The efforts of amateurs during the Johnstown, Pa. flood this past summer, in which for a time they were the only available communications, shows the success of this type of preparation.

However, things are not all going so well. On the last day of term C'77 there was a major snowstorm in which we lost most of our antennas. The breakdown of losses is as follows:

Moseley 402-2 element 7MHz beam	\$200
Hy-Gain 204BA-4 element 14 MHz beam	\$180
Home made 4 element 21 and 28MHz quad	\$150

This is obviously a substantial loss. The quad antenna was actually worth more than \$150; this value represents the cost of less expensive antennas we would like to buy as replacements. We can do without replacing the 14MHz beam, as we previously had two of them, but the others are needed to have an operational station.

In addition to the problems with antennas, our receiver has been in serious need of repair for over a year. We have managed to keep it somewhat operational by repairing it ourselves, but it is not nearly as good as when we got it. We have

contacted an authorized repair company about this, and their estimated cost for repair was \$100.

Tools have been a serious weakness for the club, especially the lack of climbing belts used in working on the towers. These belts have been purchased already this year.

The \$50 request for VHF and satellite antennas is an effort to keep our club in the forefront of amateur activities. Amateur satellites have been around for 15 years, and we feel it is about time we got involved. This request is only half of what we asked for last May, as we found we need less than we had thought to use the amateur satellites.

Finally, like any organization, we have operating expenses. This is primarily phone costs and postage. Many amateur radio activities require the confirmation of contact through a certificate which usually looks much like a post card, and is called a QSL card. We have not regularly sent out QSL cards, even upon special request, for several years because of lack of money for postage. As a result, many amateurs, especially foreign ones, have a very dim view of our station, and we would like to correct this.

WORCESTER POLYTECHNIC INSTITUTE WIRELESS ASSOCIATION-WIYK PROPOSED BUDGET FOR 1977/ 78:

Antenna Losses, Term C'77:	
Moseley 402-2 element 7MHz beam	\$200
Hy-Gain 204BA-4 element 14MHz beam	\$180
Home made 4 element 21 and 28MHz quad	\$150
TOTAL LOSSES	\$530
New Costs, 1977/ 78:	
Tools, including two climbing belts at 37.00 each	\$100
VHF and satellite antennas	\$ 50
Receiver repair	\$100
Operating expenses	\$ 75
TOTAL NEW COSTS	\$325

TOTAL OF LOSSES AND NEW COSTS:	\$855
Less 204BA not replaced:	\$180

1977/ 78 BUDGET REQUEST: \$675
Nels J. Anderson
President
WPI Wireless Assoc.

COMMUTER MEETING
Wednesday, October 12,
at 12:00 p.m.
IN THE UPPER WEDGE

Newspeak

The student newspaper of Worcester Polytechnic Institute
Box 2472 WPI Worcester, Massachusetts 01609
Phone (617) 753-1411 extension 484

editor-in-chief
Rory J. O'Connor
756-0249

news-features editor
Thomas A. Daniels
853-5556

business manager
Michael Auger
752-9371

advertising manager
Mark Diluglio
753-9513

circulation manager
Larry Rheault
752-9371

faculty advisor
Patrick P. Dunn
753-1411, x-584

staff
Don Calawa
Philip Czapl
Maureen Higgins
Jean Martin
David Potter
Tom Rockwood
Larry Savage
David Thompson
John Walsh

photography editor
Mark B. Hecker
753-9843

photography staff
Andy Gilbert
Steve Kimotek
Ann-Marie Robinson
John Wheeler

sports editor
Barry Aronson
753-9843

associate editors
Kenneth Mandile
Craig Vickery

art director
Alwyn Fitzgerald

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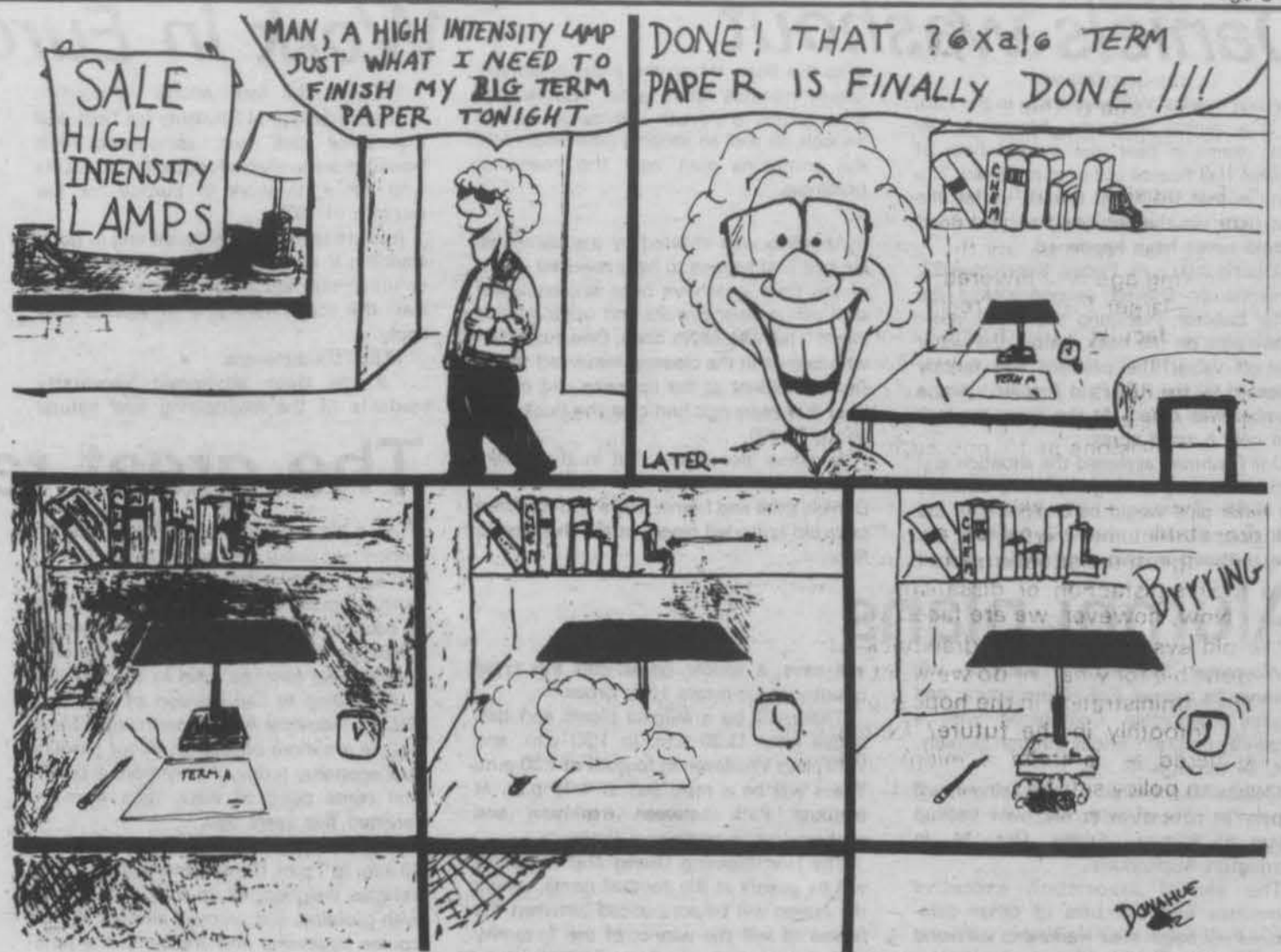
"Ice": epilogue

by Phil Czapl

The residents of Stoddard B are up to their necks in hot water. Finally. For the first time in three weeks, they have the luxury of being able to take a nice hot shower. For those readers who have been following the events of this trilogy, here is the final installment:

Late Tuesday afternoon, October 4th, this reporter had just finished his daily afternoon run and went to take a shower. Walking into the shower area, I was taken by surprise, for lo and behold, placidly perched atop the plumbing was a familiar sight. The old showerheads were back! A quick shower revealed that the hot water was still afflicted with an anemic flow rate, i.e. low pressure. Despite this, however, the return of the old showerheads was a welcome sight to all.

Wednesday, October 5th, almost brought the final chapter of the shower story to a close. It seems that after conceding to return the old showerheads Tuesday, the wizard workmen of Plant Services were not to be outdone. The final detail of repair, the low pressure problem that had eluded the vain efforts of these men for 1 1/2 weeks, was finally detected and repaired. Anyone who took a shower was now pleasantly greeted by a vigorous flow of hot water streaming upon him. By all appearances, things were fixed for good.



Op-Ed:

Or were they? How long could a good thing last?

It didn't last long. Thursday afternoon, a female resident on the 3rd floor, upon entering the shower discovered that the hot water was cold again. Plant Services was notified of the problem.

This time, unlike the previous weeks, the workmen were up to the task. (They should have had enough practice by then.) Thanks to the diagnostic assistance rendered by Gordon Fuller, Manager of Student Resident Services, the problem was quickly located and repaired. Work began at about 5 p.m. and by 7:30 p.m., hot water was merrily flowing through the pipes of Stoddard B.

As of this writing, Saturday morning, there have been no further problems. With fingers crossed, I think it can be safely said that Stoddard B's hot water problems are solved, barring another untimely failure of "old faithful," our water heater.

In conclusion, I am glad that this whole mess is over. If any lesson can be learned from the events of the past few weeks, it is that the people in the administration do take action, but sometimes it requires just a little extra prodding to get things done. Without *Newspeak's* help I'm sure that I still would be taking cold showers. I am convinced that the pen is as mighty as the word. It just takes longer.

Letters: PIRG refunds

AN OPEN LETTER TO THE WPI COMMUNITY

Starting on October 17, Mass PIRG (Public Interest Research Group) will be offering \$2 refunds to all registered students who do not wish to support this unique student organization. In order that the refunds not merely reflect the apathy of WPI students or their ignorance of PIRG, I would like to explain to you exactly what PIRG is, how it came to be on the WPI scene, and how we are funded. My hope is that all WPI students will know enough about PIRG so that the number of people asking for refunds actually represents the opposition to PIRG in campus and that the number of people not asking for refunds truly reflects our support.

Mass PIRG first came to WPI through the efforts of some students and members of the faculty who thought PIRG's presence would be beneficial to all students. A petition drive was conducted in which an absolute majority of all WPI students agreed to support Mass PIRG by increasing the student activities fee \$2, with the money going directly to PIRG. PIRG

Solar electricity

by Mark Kelsey

Another interesting area in solar energy is that of solar electricity. If thin layers of metals or compounds are exposed to the radiation of the sun, energy is taken in and electrons are driven towards the surface of the material. If suitable connections are made, solar electricity can be produced.

Today, we use solar cells made out of specially grown silicon crystals chopped up into thin layer chips. The theoretical maximum conversion of present photovoltaic cells goes from 15 per cent to 28 per cent, depending on the semiconductor that is used. Today, the efficiency for silicon cell is only 15 per cent due to reflection and other losses in actual use. If the silicon cells were to cover 75 square feet of area, they would produce one kilowatt of power.

Obviously, the use of new materials, such as intermetallic compounds (cadmium sulfide, cadmium telluride, gallium arsenide) which would allow construction of cells with greater efficiency are needed. This will require additional work on semiconductors to solve the problems involving areas like purification and crystal growth. Once a suitable semiconductor is found, it should be mass-produced to get a reasonable price for everyone.

therefore is unique in its funding mechanism in two respects: it is the only student organization that receives its money directly from the students, and it is the only organization which allows the individual student to withdraw his or her support. Starting next spring, all a student need do to withdraw support from PIRG is to check off a small box on the tuition bill and deduct \$2 from the bill. This semester, because of a misunderstanding in the accounting office, the \$2 was automatically included in the bill, which explains why PIRG is now offering refunds.

The reasons why PIRG seeks this unique funding mechanism are as follows. First, we feel it is entirely fair for an absolute majority of students to vote to increase their student fees. Certainly, our funding is no less fair than when a small student group receives a grant from student government with little or no input from the student body at large. Second, PIRG is the only student group with a full-time staff of paid professionals to guide the students and provide year round continuity to

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Student government

The Student Government meeting of October 4, 1977 was called to order at 4:15 p.m. by President Tom Panek in the Student Affairs Office. The roll was taken. The minutes were read and accepted.

Committee Reports

IRHC—Because of lack of interest the election for Dormitory Representatives has been postponed.

CHB—There has been one case so far this year. The defendants were fined for damages to the Institute's property.

Class of '79—There will be a class meeting on October 5, 1977.

Announcements

There will be an election for Independent Representative on Thursday October 6, 1977 from 12-4 p.m. in Daniel's Lobby. Only Student Government members and members of standing committees can man the ballot box.

New Business

Tom Panek proposed the following Election by-law amendment: Article V,

Section 1, Paragraph C, Sub-paragraph 3; A student's class year is determined by his/her date of matriculation for both voting and elective purposes.

The motion was seconded. It was tabled until it could be determined how class dues would be handled.

Charlie Harak, Acting Coordinator of MASS PIRG was asked to explain about the billing error this Fall. He stated that starting on October 18 he will be giving refunds in the Wedge. He also agreed to send a cover letter explaining MASS PIRG with subsequent billings with the Student Government acting as an informal advisory board.

The next meeting of the Student Government will be Thursday October 14, 1977 at 4:00 p.m. in the Student Affairs Office.

Respectfully submitted:
Paul S. Wrabel
Secretary

At the request of WPI commuters, Officers of the Worcester Police Department have begun ticketing illegally parked cars on Institute Road. We regret that this action had to be taken, but it is needed to alleviate a potentially dangerous blind driveway. We ask that all students cooperate, and park only in clearly defined parking areas, both on and off campus.

No stereotypes

To the Editor:

We would like to reply to the letter from Kevin Carlson entitled WPI CONCERTS which appeared in the Oct. 4 issue. For the record:

We resent the insinuation that being Techies we crave large loud rock bands not to mention causal sexual encounters or bussed-in females. (A quick look at the attendance of Baypath mixers indicates that most male Techies would agree.) Even

though we are not Clark students we do appreciate a variety of music, especially blues and jazz. We will continue to attend those concerts which are compatible with our academic schedules and financial limitations.

Beth Stone
Box 1339
Eugenia Fernandez
Box 2220

Musical taste

To the Editor:

I am writing in regard to the recent unsuccessful concerts. In my opinion an important factor in the failure of these concerts (James Montgomery-James Cotton, Rory Block-John Hammond, and Pat Metheny-Ronnie Laws) is a lack of interest in the type of music performed. Mr. Kent has stated that he wants a larger number of concerts that are individually less expensive than in the past. That's fine,

but if he wants successful concerts he should also pay attention to what Tech students will pay to hear. Techies aren't going to sell out three and four dollars to hear a group whose style of music they are unfamiliar with or that they don't like. I'm all for more concerts, even of lesser known groups, but how about some that will play music I want to listen to?

Paul Taylor, '79

Daniels washout

by Don Calawa

While most of WPI was down in the Pub, at a nearby fraternity, drowning their cur exams in beer, the second floor of Daniels Hall floated out onto the quad. The only is that the flood (which visited the first floor via the saturated second floor) would never have happened.

Around 9:00 p.m. Friday, September 23, someone on Daniels second kicked the water bubbler, rupturing the small water take pipe on the back, before the water shut-off valve. The problem was quickly assessed by the RA, Paul Angelico, and a plumber was called. At the time, the leak was only a small spray.

One freshman assessed the situation and decided that by turning the entire bubbler, the water pipe would be crimped and the leak stopped. He turned the bubbler, the pipe ruptured in two, and water gushed

onto the floor. When the plumber arrived, fifteen minutes later, water had flooded three rooms to a depth of three-quarters of an inch, as well as seeping downstairs into the commons area near the computer terminals.

Angelico was irritated by the damages. He said that he was to have received a tour of the floor and have been shown water shut-offs, power circuits and other service items. This was never done. One custodian who helped in the cleanup remarked that a similar incident at the opposite end of the floor five years ago had cost the bookstore about \$5,000.

Angelico also noted that in the weeks before this incident, the bubblers on Daniels third and fourth floors had ruptured from old corroded pipes, as did the second floor.

Alumni plans

Worcester Polytechnic Institute will observe its annual Fall Homecoming and Alumni Leadership Conference with a three-day program, Friday through Sunday, Oct. 14 through 16.

Melissa Manchester, a variety singer, will appear in concert with her own backup group at 8 p.m., Friday, Oct. 14, in Harrington Auditorium.

The alumni association executive committee and members of other committees will begin their leadership weekend with a luncheon Friday noon in Higgins House, followed by meetings and briefings in Higgins Lab and Alden Memorial at 1:30 p.m. Richard A. Davis, '53, is chairman of the alumni program.

Irving James Donahue, Jr. '44 will be chairman of a reception at 6 p.m. Friday in Salisbury Laboratories, followed by dinner in Morgan Hall for alumni leaders, alumni scholars and spouses.

Paul S. Morgan, vice chairman of the WPI board of trustees, will speak to alumni workshop weekenders at 9:30 a.m. Saturday, Oct. 15 in Kinnicutt Hall where the keynote address will be given by William P. Densmore '45. Workshops for reunion committees, alumni fund head agents and Alumni Council members will be conducted starting at 10:10 a.m. in Salisbury Laboratories.

Homecoming alumni will register from 10 a.m. to 4 p.m. Saturday on the baseball field where WPI and Assumption at 11 a.m.

will have a soccer game and the cross country team meets Holy Cross.

There will be a tailgate picnic and barbecue from 11:30 a.m. to 1:30 p.m. and WPI plays Wesleyan in football at 1:30 p.m. There will be a rope pull at 4:15 p.m. at Institute Park between freshmen and sophomores, a traditional rivalry.

The Homecoming Queen and her court will be guests at the football game, where the queen will be announced between the halves as will the winner of the fraternity and group homecoming displays competition.

All alumni and their guests will be welcomed to a "happy hour" at Higgins House at 4:15 p.m. Dinners and parties will be held in all fraternity houses.

A New York company on a national tour will present a dinner theater performance of "Cabaret." The dinner will be at 6 p.m. and the stage show at 8 p.m., both in Harrington Auditorium, followed by dancing at 10 p.m.

The five-year (1972) class and the ten-year (1967) class will have their reunions in Morgan Hall Saturday evening.

The Alumni Council will meet at 9:30 a.m. Sunday in Salisbury Laboratories. William A. Julian, '49, will preside. There will be a brunch at 10:30 a.m., a student panel at 11:30 a.m. and closing remarks by Thomas J. Denney, vice president, university relations, at noon, all in Salisbury Laboratories.

Pass/fail vs. A, B, C

Palo Alto, Calif. — (I.P.) — About 25 per cent of Stanford's faculty grade on the "curve", even though this practice is discouraged by the University, a student survey of the Academic Council shows.

Sponsored by the Ombudsman's Office, headed by Emeritus Prof. John Goheen, the questionnaire was sent to 1,026 professors by students in a freshman seminar on "The Philosophy of Education." A total of 480 responded. Results were compiled by students Lynn Rubinet and Brenda Matthews.

More than half (58 per cent) said restoration of "D" grades last fall was "beneficial." But almost one fourth (23 per cent) said its effect was "insignificant." Almost three fourths of those replying (73 per cent) said they would have no qualms about giving all the students in their class "A's" if they felt this was deserved. A somewhat smaller majority (59 per cent) said they would not hesitate to withhold credit from all the students in a class if they believed that seemed warranted.

Some samplings of individual comments: "There should be a recommended grade distribution, for large classes at least. Otherwise, grades are meaningless. They can only have relative, not absolute, significance.

"It is unfair to use a curve unless the entire University does so, as any standard curve would reduce the proportion of high grades...granted at present."

"Publicize the actual grade distribution of individual departments and schools."

"More personal gradings of homework by the professor, rather than a reader."

"Abolish pass/fail. Institute a three-stage system: honors, credit, no credit. Raise standards for 'credit.' Reserve 'honors' for exceptional performance. Give 'no credit' for mediocre to poor work."

"Tighten up. Indeed. I'd put the F back on the transcript and really wouldn't mind going to a curve grading system at all."

Reinstate F and make students responsible for facing failure with same consequences as success."

"Grading system should reflect competition. Otherwise GPA's are meaningless. Use grades A, B, C, D, E, and F; avoid weasel words such as 'no-pass.' It's a competitive world!"

"Anything that reduces the competitiveness among students would be a benefit to the system. The pressures are already far too great so that students are spending more time learning how to take tests than they are enjoying the subject matter and seeing meaningful relationships among things they are learning."

"Have outside, neutral graders do the grading — send the exams and papers to a special grading board."

"There is no reason to involve anyone other than the student and the instructor in the grading process, unless both consent."

"I think it important that students be evaluated as carefully and finely as possible — not just three categories: A, B, C, but many — say 10-20 or more. Alternatively, written essay-type evaluations could be given for each student."

A bare majority (51 per cent) felt students should be evaluated on the basis of their independent performance. A similar majority said they did not believe their evaluation of students' work "must necessarily fall into any prearranged distribution pattern." More than four out of five (85 per cent) said the University had no grade distribution policy to which they were expected to conform. One third (34 per cent) said their departments had no grade distribution policy. Only 10 per cent wanted "F" grades restored.

Work in Europe

IAESTE, the International Association for the Exchange of Students for Technical Experience has just announced that positions are available for qualified students who desire to work in Europe for the summer of 1978.

Any student who is enrolled and in good standing at an accredited four year college or university and who has completed at least the sophomore year of studies may apply.

IAESTE's aims are:

a. to train advanced university students of the engineering and natural

sciences in the industrial techniques of other nations, and

b. to build a foundation for international understanding and goodwill among these potential leaders and the host companies and institutions.

Jobs are available in various fields of study in the following countries: Austria, Belgium, Finland, France, Germany, Israel, Netherlands, and Switzerland.

Students interested should attend the meeting about this program on Thursday, October 13 at 4:00 p.m. in the Office of Student Affairs, Daniels Hall.

The great race

At a time when many Americans are concerned about fuel conservation but are not sure exactly what to do about it, Fitchburg State College is sponsoring a contest to educate college students and the general public about methods which may be used to conserve gasoline used in automobiles.

According to Earl Hanson of Fitchburg State's Industrial Arts Department, "Many people are more concerned about gasoline fuel economy today, if only from a dollars and cents point of view, than were interested five years ago."

The contest will be held October 15 from 10 a.m. to 1 p.m. Contestants will have their vehicles weighed, fill up their automobiles with gasoline, and proceed along a 92 mile course beginning and ending at the junctions of Rte. 2 and Rte. 12 in Leominster.

Although vehicles may be modified for the contest, they must be modified within legal limits. Also, vehicles must drive within the minimum and maximum speed limits posted.

According to Mr. Hanson, "We hope that this type of contest will catch on, especially among the college community, so that fuel efficient driving will eventually become a part of the driver's way of life."

"We also hope that, because most of the participants will be college students, that a domino effect will take place in terms of educating other drivers regarding fuel efficiency."

At the end of the contest, winners will be declared according to the weight of vehicles, the class of automobiles, and methods of driving utilized. Trophies will be presented to each winner in the respective categories.

Fitchburg State College has been conducting studies on automobile efficiency and safety for seven years.

In 1971, the College's industrial arts students developed an urban vehicle which was entered in the 1972 Urban Vehicle Competition and won an award for safety.

Since then, with the advent of the Arab oil embargo and the decreasing world supply of fuel oil, Fitchburg State College and its students have been devoting their energies toward producing a more fuel efficient vehicle and more fuel efficient drivers.

For further information, write to the Urban Vehicle M.P.G. Contest, Box 1010, Fitchburg State College, Fitchburg, Mass. 01420.



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President's letter to trustees

As I start this, my twenty-fifth, letter to you I have to say thank you for your interest and support over the past eight years. All of us here on campus do a lot of work to make WPI a success, but we could not have succeeded without the strong backing of all of you. Too many times a Board of Trustees will become either too distant or too involved in day-to-day affairs to make a successful institution. WPI is fortunate that you have chosen a balanced course and given all of us the kind of help we have needed. Please continue that in the years ahead.

Speaking of the years ahead, Paul Morgan and his fellow Presidential Search Committee members are making excellent progress in finding my successor. You may remember that he is joined by trustees John Lott Brown, C. Marshall Dann, and Morris Tanenbaum, elected faculty members William R. Grogan and Romeo L. Moruzzi, student body president Thomas D. Panek, and Dean Ray E. Bolz as secretary. They are well into the process and Paul Morgan will report to you on October 15.

As that process continues I hope one thing is clear. My commitment to WPI continues as strong as ever and I will be pursuing my usual duties with all the energy at my command, not wandering around the countryside looking for other jobs. That means I'm eager to get your suggestions and help in the never-ending job of getting financial support for WPI. Try me!

We really do need your help to get us over the top in our WPI Plan to Restore the Balance. We are at the \$18 million mark but that last half million is the hardest one of all. And when you consider inflation we really ought to be focusing on a million dollars or more. This is especially true of endowment where our objectives are still not met. As I told our student newspaper that is one area where outstanding success has eluded us.

Those are challenges to come. Let me tell you of a challenge met. Sanford Riley Hall, under Director of Plant Services Gardner Pierce, our Plant Engineer A.J. (Tony) Luksnaitis planned, supervised, and successfully completed the \$600,000 renovation of the interior of Riley Hall in just over 90 days. With the excellent cooperation of our sub-contractors we have changed a charming but dilapidated 81 year old dormitory into a living place all of us can be proud of. Trustee James Heald, chairman of our Physical Facilities Committee, is going to have to pay up on his bet with Gardner Pierce.

Just to show you how tight things were, the stairwells were getting their final paint and the first floor carpet was only half complete on the day before our freshmen arrived. But the rooms were ready, the bathrooms were sparkling, new furniture was in place, and electricity and water were available. We all heaved a big sigh of relief and kept rushing to complete the final touches.

Many other physical facilities were getting the treatment this summer. Of none was I more painfully, and now proudly, aware than Freeman Plaza. Surrounded by Salisbury, Gordon Library, Washburn, and the Project Center the Plaza reverberated with the sound of jack hammer, back hoe, cement mixer, and form builders, mostly in my office. But the results, I think you will agree, were worth the effort. All of you who will share with Howard and Esther the quiet but meaningful dedication on September 27 are impressed with this major forward step in making WPI a pleasant place to live and work.

Then there is Boynton Hall. Granger Contracting was the successful low bidder and started work in early July with a predicted completion date of about April 1, 1978. The way they dismantled a good chunk of the interior almost makes me shiver. I'm especially happy that we are doing this after looking at all the cracks in the major supporting beams. A true sword of Damocles. But, equally, one can't help but be pleased to have the contractor tell us that those 110 year old granite walls are less than a quarter inch out of plumb.

Of course the exterior of Washburn Hall was finished just as we were starting Riley. The sparkling new look will challenge Boynton Hall for a good many years to come. And Professor Bourgault ought to

be safe from falling timbers as he ambles around the outside. Across unclosed West Street Higgins Laboratories is getting a very much improved (and needed) major lecture hall thanks to the gift from the Lufkin Trust. That should be done by the end of Term A.

Then The Wedge is getting new seating, of the kind that can't be liberated to grace other surroundings. These plus folding doors between upper and lower levels should give us greater flexibility and security in this active student area. At the same time Daniels Hall has received a new ramp so that people in wheelchairs have access to our dormitory and dining facilities. We are pleased that this and other access areas across curbing were in place as college started for our first wheelchair student arrived this fall. We wish every success to Michael Muehe who fell from the fourth floor of Riley last fall but has re-enrolled.

One last item to conclude my recital of why Plant Services felt it had a busy summer. We have a new telephone system, what Ma Bell calls Dimension. With great works by New England Telephone and many classes for all of us on new telephone techniques we have had a remarkably smooth transfer. And we hope the continuing cost will be less than our past system. At least we now have one switchboard operator instead of two.

On the academic side it has been a busy summer as well. Dean Grogan reports a summer school (Term E) enrollment of 374. This is down slightly from last year's 394 but still a significant educational experience for our students. Many were working on projects, some with Professor and Dean Emeritus M. L. Price. "Cookie" has a solar energy test facility and a windmill, both which were parts of projects for a number of undergraduates.

At the same time Professor Robert Hall, Director of Continuing Education, has found that his two day seminar of Project Management is winning new friends, and financial benefit to WPI. Sessions held on campus as well as in Cambridge, New York, and Toronto have been oversubscribed and well received. We look forward to more activity of this kind, such as an executive briefing on microprocessors.

Microprocessors, or mini computers in this case, have had the close attention of Electrical Engineering Professor Donald Eteson this summer. As recommended by our Computation Advisory Committee he now has the 18 LSI 11's with peripheral equipment ready to check out for student projects this fall. We share Trustee Stanley Olsen's high hopes for their creative use by WPI undergraduates.

Several faculty committees were hard at work this summer on matters of importance to WPI. Professors Moruzzi, Boyd, Grogan, Heventhal, Keil, van Alstyne, and Zwiebel tackled the problem of faculty loading with a view to equity. There are many complications arising from Plan activities that are not normally met in most colleges. Thus this group, working with Dean Bolz, was able to analyze faculty loading and propose ways of recognizing properly the efforts of faculty members.

A second committee developed an excellent publication entitled, "The Educational Process at WPI: A Basis for Course Design." With Professor John Boyd as editor this group (Professors Bluemel, Davis, Hagglund, Lanyon, Staples, Walther) identified many successful methods of activities that faculty might use to continue our process of course improvement to go with the strengths we see in project work.

With the help of Venture Fund money, Professor Betty Hoskins and Coordinator of Counseling Services Royden Astley ran a four day Advising Workshop for about twenty faculty members. Recognizing the tremendous responsibility placed on faculty advisors by the Plan this program attempted to help with the process through practical experience in advising techniques and in understanding the student growth process.

This June we experienced a tragic loss in the unexpected death of Physics Professor Benjamin Wooten, a WPI faculty member for 20 years. Ben was instrumental in developing our low energy nuclear physics program and will leave a big hole in our lives. Later in the summer we lost two



WPI President George Hazzard

emeritus professors when Leland Atwood and Douglas Howes died within a day of each other.

On the positive side we are pleased that 18 new full and part-time faculty members have joined us this fall. Initiated last year and even more successfully carried out this year was a three day orientation session for these new faculty. In addition to all our code words they were given a chance to develop understanding of the philosophy and operation of the WPI Plan as well as to get acquainted with each other and many of us. Our thanks to Messrs. Moruzzi, Grogan, and Bolz for developing and running the program and to the many faculty members and students who shared their knowledge with their new colleagues.

Dr. Robert E. Connors has been appointed the Leonard P. Kinnicutt Assistant Professor of Chemistry for a three year term. He came to WPI a year ago from Northwestern University and specializes in physical-chemical processes. A particular interest is the chemistry of chlorophyll and the luminescence spectroscopy of biomolecules. By the time our October meeting rolls around we expect to be able to announce the first occupant of the Merriam Chair in Mechanical Engineering. I can think of no finer support of WPI than gifts like these that support our outstanding faculty and simultaneously memorialize someone of the donor's choice.

We continue to see recognition of the research as well as the teaching talents of our faculty. Professor Leonard Goodwin, Head of the Social Science and Policy Studies Department is principal investigator in a \$380,000 research project for the U.S. Department of Labor. He is investigating an important and controversial subject: "The Impact of Federal Income Security Programs on Work Incentives and Family Stability: A Comparative Look at Recipients of Welfare WIN Services, Unemployment, and Food Stamps."

We are also in the metric education business through the efforts of Chemistry Professor Ladislav Berka and in the aging business through Life Sciences Professor James Danielli's continuing work on Cell Senescence for the National Institute for Aging. Professor Alfred Scala of Chemistry continues to receive excellent support for his work on "Gas Phase Radiolysis and Vacuum Ultraviolet Photolysis of Heterocyclic Organic Compounds" from ERDA as does Professor Alvin Weiss of Chemical Engineering from NSF for the US-USSR Program of Scientific and Technical Cooperation in the Field of Catalysis. Professor Ma, also of Chemical Engineering has support from the U.S. Army's Natick Laboratory for a theoretical study of the freeze drying process. And we are pleased to have joined with Clark, Holy Cross, University of Massachusetts Medical School and the Worcester Foundation for Experimental Biology in receiving support for additional equipment in nuclear magnetic resonance spectroscopy.

It is this kind of activity year round that has created a recent annual awards base of about \$1 million. I'm proud of the fact that we can combine undergraduated ex-

cellence with this kind of graduate-research support.

As a reminder, our two facility representatives to the Board of Trustees this year are Mathematics Professor Gordon Branche and Chemical Engineering Professor Yi Hua Ma. Gordon Branche replaces Roy Bourgault as Secretary of the Faculty and Ed Ma is the new Chairman of the Faculty Committee on Governance. I'm sure you will enjoy the opportunity to discuss WPI with them.

As registration came to a close we tallied just over 2300 undergraduate and 153 graduate students. Our freshman class was on target at 610 and transfer students numbered only 50 as we worked to hold steady at or below the 2300 figure. Unfortunately our freshman women number no more than last year about 70. We hope to resume our upward trend next year. Professor Robert Hall, Director of Continuing Education, reports an upward thrust in our evening educational activities with a new high total of over 725. This includes both credit and non-credit programs (Evening Graduate Program, Master of Natural Science, Master of Mathematics for Teachers, School of Industrial Management, Plant Engineering). And they are not all on campus but also at Newport, Rhode Island, Nashua, New Hampshire, Framingham, Maynard, and Wellesley.

Terms A and B always see about 60 students (30 per term) in residence at our Washington Project Center. This year Professors Donald Zwiep of Mechanical Engineering, Douglas Woods of Economics, and Richard Desrosiers of Civil Engineering are sharing experiences with students. It's always hard to tell who works hardest there or benefits the most, students or faculty.

It is always a great thrill to get students back on campus for they are our reason for existence. Once in a while, however, you run into complications. For instance Ray Bolz and I went to play tennis at 5:00 p.m. on the courts of A.J. Knight Field. Lo and behold they were fully occupied by members of the women's tennis team whose only time to practice was from 4:00 to 6:00 p.m.

An then there was the observant freshman who put all of us on campus to shame by noting that the American flag flying in front of Alden Memorial had only 49 stars. Naturally (?) the student was a computer scientist. And we did get a 50 star flag.

An integral part of the student (and faculty) scene is the Goat's Head Pub in the lower regions of the Riley Hall. This year we have a full time manager, Glenn DeLuca, who is part of the Office of Student Affairs. Thus the Club license will be assigned to WPI in his name rather than to an independent corporation with its faculty-student board. This board has served faithfully over the past half dozen years and deserves a big vote of thanks for its volunteers and successful efforts.

I am pleased to be able to report that our outside auditing firm is confirming the preliminary results reported by our Business Office for the 1976-77 fiscal year. That result, after several years of modest

[Continued on Page 11]

Homecoming preview

by Maureen Higgins

Comedian Richard Belzer will be the opening act of the Homecoming Concert to be held in Harrington Auditorium on October 14th. He relies on his spontaneous wit and audience involvement to make every performance the height of comedy. Belzer has to his credit appearances on *Saturday Night Live*, *The National Lampoon Show*, and *Channel One*, and a starring role in *The Groove Tube*. His extensive experience with college and club shows promises to make his performance here at WPI a good one.

Since her rise to critical and popular acclaim in 1975, Melissa Manchester has cultivated her own cult of devoted fans.

Contrary to popular belief, she is not a spokeswoman for the women's movement. However, she is interested in the people's movement. She writes of human vulnerability, as well as contemporary subjects. It should come as no surprise then, that she was a student in a very select songwriting class under Paul Simon at NYU. She writes most of the songs she sings. Although her appearance here on campus was noted in *Rolling Stone*, I find her music to be of average musical quality, nothing spectacular, but Friday will be the test of my belief. Her albums include *Home to Myself*, *Bright Eyes*, *Midnight Blue*, *Melissa*, *Better Days* and *Happy Endings and Singin'*.



—Mark Hecker

Sue Schauble in Wedge

Entertainment:

A good time was had by all

by Kevin Carlson and Ron Roth

Sue Schauble began her one-night stand at WPI by warming up a transient audience, mostly students on the way to the cafeteria. A small crowd gathered on the stairs in the Wedge, while Sue did an hour long set. Everyone listened while she performed such songs as Janis Ian's 'Jesse' and some of Bonnie Raitt's blues.

Many people came back for the real show, which started in the Wedge at 9. The audience listened in total silence as Sue belted out a couple of Barbra Streisand's show tunes and a musical score from the Broadway play *Chorus Line*. Also performed were 'As Time Goes By' from the movie *Casablanca*, starring Humphrey Bogart, and the theme from TV's *M^o A^o S^o H*, 'Suicide is Painless.'

After taking a short break, Sue was back for a fine second set. The environmentalists

in the audience seemed to enjoy the satirical 'Pollution!', while the Lens & Lights crew were satisfied by Sue's rendition of 'Here Comes the Sun.' More Streisand tunes were played, such as 'The Way We Were' from the movie of the same name and 'Woman in the Moon' from *A Star is Born*.

Folk music buffs enjoyed a couple Simon & Garfunkel tunes and one from Buffy Saint-Marie. Sue demonstrated that she was a versatile artist with a wide ranging repertoire. The audience was very responsive and demanded three encores before being satisfied. The artist gave an excellent performance which was well received. The audience, Sue, and those responsible for this program were well pleased with October 4th's Coffeehouse in the Wedge.

Smith mixer

by Maureen Higgins

On the first Saturday of Mixer Weekend at Smith College, I was lucky enough to witness first-hand the peculiar social going ons at this prestigious girl's school. The scene, a large house, analogous to the frat houses here, packed to the rafters with party goers. There is a separate dance room — very hot, very small, too many people. The beer was watery, the conversation somewhat stale. "Do you go to school here?", "How can you stand going to school with all girls, I mean all 2,600 of them?", "Isn't this a great party?", etc. The aggressive dating system, girls after the

guys, is hard to get used to, especially when one comes from a situation that is the complete opposite. Here, the girls get into all parties free, are surrounded by eligible young men, and at a definite advantage! A viable alternative to the bussing that already goes on here, would be to fill up four to six busses with Tech males, ship them to Smith, and let them cope as best they can. I don't advise that any WPI girls attend any such social functions, unless, of course, they'd like to dance with girls. I just wasn't ready for that (yet). Bus sign up sheets will be available through *Newspeak* soon.

Carl Atkins

On Friday, October 14, the Student Union Board at Framingham State College, will present a concert featuring Carl Atkins and the New Music Ensemble, a jazz group out of Boston.

The group features Carl Atkins on sax and bass clarinet; Tommy Campbell, percussion; Stanton Davis on trumpet and flugelhorn; Les Lumley, congas; Tom McKinley, keyboards; and Prentis Pilot, bass. They perform a variety of contemporary jazz, including original compositions by members of the group.

Carl is currently head of the Afro-American Music Department at the New England Conservatory of Music, and is active as a conductor, teacher and performer. As performer, he has played with Rahsaan Roland Kirk, David Baker, Clark Terry and Jaki Byard. He has also performed and recorded with George Russell in both the United States and Europe.

Stanton Davis has been a featured soloist with Al Kooper, Gladys Knight, and Max Roach, and has recorded both here

and in Europe with George Russell. Les Lumley counts among his credits, appearances with Ritchie Havens, Roland Kirk, Ghetto Mysticism Band, Bette Midler and The Jefferson Airplane. Tom McKinley, presently on the faculty of the New England Conservatory, has had his works performed by the Chicago Symphony Orchestra. As a jazz pianist, he has appeared with Sonny Stitt, Rufus Reid, Art Farmer, and Dexter Gordon. Prentis Pilot has performed with Stanley Turrentine, Richard Abrams and singer Joe Williams. Tommy Campbell has established himself as one of the most talented young drummers on the Boston scene, and has played with Webster Lewis and Baird Hersey.

The concert will begin at 8 p.m. in Dwight Hall Auditorium on the Framingham State campus. Admission is free to Framingham State students and their guest. The public is invited to attend also at no charge.

Oktoberfest

An Oktoberfest will be held on the campus of Anna Maria College, Paxton on Saturday, October 15 from noon to 5 p.m. The event is free and open to the public and will be held rain or shine.

Hosts for the day-long activities are Anna Maria College and the Paxton Lions Club. Scheduled events include a German band, Chicken barbeque, a variety of food booths, flea market and craft booths, games of chance, and children's activities.

As a special added feature, the Tuxedo Classic Jazz Band will entertain in the evening at the College Campus Center. Currently on the entertainment bill at the Sticky Wicket Club in Hopkinton, the jazz group will appear at Mechanics Hall later this year. Admittance for the musical evening at Anna Maria will be \$2.00. A cash bar will be available. The event is open to the public.

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Museum exhibit

MAJOR EXHIBITION SCHEDULE
OCTOBER 1977 - JANUARY 1978

Zenga and Nanga: Paintings by Japanese Monks and Scholars - September 21 - November 13, 1977

The only Northeast showing of 78 Japanese paintings and calligraphies from the outstanding private collection of Kurt and Millie Gitter. Organized by the New Orleans Museum of Art, the show represents two vital currents in Japanese painting during the Tokugawa era or Edo period (1615-1868). The term Zenga is reserved for works by Zen monks of the period whose ability to fuse Zen and painting remains unsurpassed. Nanga, or literati painting, refers to works by cultured scholars who displayed in their works an extensive understanding of poetry, history, and all the arts. Fully illustrated catalogue by Stephen Addiss, Curator at the New Orleans Museum of Art, with introduction by the late Harold F. Stern, Director, Freer Gallery of Art, Washington, D.C.; price \$9.95.

For Collectors: A Sales Exhibition of Works of Arts - December 10, 1977 - January 8, 1978

An exhibition sponsored by the Member Council of the Worcester Art Museum, featuring over 200 works of all periods and media, selected from Boston and New York galleries by members of the Council and curatorial staff.

Contemporary American Printmakers - March 15 - May 15, 1978

An exhibition of more than 80 American prints, focusing on the extraordinary vitality and diversity of American printmaking during the 1960s. The styles of Abstract Expressionism, Minimal Art, Pop Art, and Photo-Realism will be represented by the works of Willem De Kooning, Helen Frankenthaler, Robert Motherwell, Robert Rauschenberg, Jasper Johns, Jim Dine, Andy Warhol, Sol Lewitt, Richard Estes, and many others. The prints will be drawn from the Museum's collection and will include at least 60 works purchased during the past year with special funds from the National Endowment for the Arts.

Exhibition To Be Announced - Summer, 1978

Art of Central Asia - September 13 - November 5, 1978

Organized by the Carnegie Institute in Pittsburgh, the show will feature more than 90 rugs and textiles by Middle Eastern nomadic tribes from Turkey, Persia, and Afghanistan. In addition to costumes, cover rugs, animal trappings, tent artifacts, felts, needlework, and a fully outfitted Turcoman Yurt (tent), the show will include large photographs - color and black and white - of life in the nomadic tribes. Scenes will depict activities directly related to the textile arts, such as weaving, felt making, and constructing a tent. Fully illustrated catalogue, including monographs by 12 scholars who have done field research on the various tribes.

Munich And American Realism in the Nineteenth Century - December 2, 1978 - January 28, 1979

The exhibition will focus on the period 1860-1904, when several American artists working in Germany were attracted to the fresh realism and dashing technique of the School of Munich. Arranged by the E. B. Crocker Art Gallery in Sacramento, the show will represent the paintings, drawings, and graphic work of three groups of artists active in this late 19th-century school. Included will be two dozen works by Munich artists such as Leibl, Diez, Piloty, Wagner, and Lenbach, who taught or influenced American artists working abroad; as well as paintings by German artists whose careers closely paralleled those of the Americans. Works by William Merit Chase, Walter Shirlaw, J. Frank Currier, Frank Duveneck, and other painters will reveal the impact of the School of Munich on American artists who later returned to the United States and introduced others to the new German realism. Fully illustrated catalogue, with essays by Dr. Eberhard Ruhmer of the Bayrische Staatsgemaldegalerie and Michael Quick, Curator of American Art, Los Angeles County Art Museum.

A preview for Museum members will normally be held on the evening preceding the opening date of each exhibition. Forthcoming announcements will announce smaller, special exhibitions at the Museum, some from outside sources and many drawn from prints and drawings, sculpture, photography, and other areas of the Museum's collection.

Theatre

Fenwick Theatre is very excited to announce its season repertoire for this year. In the past ten years, we have striven to create a unique theater experience; a vivid, unusual human theatre intellectually stimulating and spiritually touching. We think that we have succeeded. In this same tradition, this season's repertoire has been chosen carefully to provide you again with varied, entertaining theatrical fare.

Our season will consist of three productions. The first is *The Good Woman of Setzuan* (or is she?), directed by Edward Herson, running two four-day weekends November 3 through 6 and November 10 through 13. This captivating play with comic concerns a woman's dilemma in the day-turvy turmoil of a man's world. Comedy...music...satire...love...pathos. A prostitute becomes the "angel of the slums." Can she be good and still be a woman? Sheer raucous entertainment in the intoxicating style of Brecht.

Mourning Pictures by Honor Moore, will

be performed February 28 through March 5. This is a heart-rending human drama of a terminally ill woman. Song counterpoints this sensitive love story - the love and courage of a mother and her family hoping against hope. The director, Edward J. Herson, finds it the most moving play he has read in years.

On April 18 through 23, Fenwick Theatre will perform *A Macbeth* by Charles Marowitz. Marowitz gives a modern, unusual interpretation of Shakespeare's classic as seen through the psychotic twistings of Macbeth's possessed mind - a brilliant, gripping expression of modern theatre, directed by Judith D. Lovitz.

There will be no season subscription this year, however, if the same seat is desired for all three productions, it may be reserved by calling the box office, 793-2496 from 9:30 a.m. to 4:30 p.m., weekdays. Tickets will remain at last year's price - \$3.00 general admission, and \$1.50 for senior citizens and students with an I.D.

String quartet

The internationally renowned Chilingirian String Quartet will perform the seventh annual William S. Sargent Memorial Concert on Sunday, October 16 at the Worcester Art Museum.

As winner of the 1976 Young Concert Artists International Auditions, the Chilingirian Quartet is the first such group to become artist-members of Young Concert Artists since the Tokyo String Quartet. In connection with the award, the group made its debut tour of the United States this spring.

The Chilingirian Quartet was formed in England in 1971 by its present members, violinists Levon Chilingirian and Mark Butler, violist Simon Rowland-Jones, and cellist Philip de Groot. Two years later, the group became Quartet-in-Residence at the

University of Liverpool. In 1974, after an outstanding performance at the European Broadcasting Union's String Quartet Competition in Stockholm, the group was invited to open the EBU's International String Quartet Series, a performance broadcast throughout Europe and Canada.

The Quartet will begin the concert at 3 p.m. with Mendelssohn's String Quartet in D Major, Opus 3, followed by String Quartet No. 7, Opus 108 by Shostakovich. The concluding selection will be Schubert's String Quartet No. 14 in D Minor (*Death and the Maiden*).

The concert is made possible by the generous bequest of Marion P. Sargent. Although the concert is free to all and open to the public, non-members are required to pay general admission to the Museum.

The Fine Arts Committee of WPI is sorry to announce that EDWARD VILLELLA has had to cancel his appearance at WPI on October 17.

MR. VILLELLA has been selected to receive an award on National Television that same evening.

TUES., OCT. 11 - Cinematech THE SPIRIT OF THE BEEHIVE, Kinnicutt, 7:30 p.m.

WED., OCT. 12 - Dance night in the Pub, 8-11 p.m.

FRI., OCT. 14 - Homecoming Concert, Melissa Manchester, Harrington, 8 p.m.

SAT., OCT. 15 - Homecoming Dinner Theatre, CABARET and the group OCEAN, Harrington, 6 p.m.

SUN., OCT. 16 - Movie, MURDER BY DEATH, Alden, 7 and 9 p.m., \$1.00.

MON. - CANCELLATION - Edward Villella will not appear as on calendar.

TUES. - Movie, PUMPING IRON, Kinnicutt, 7:30 p.m.

We have it on high authority that sharing the ride is a very good idea.

It made sense to Noah. After all, it was a whole lot more economical and efficient to get together and share the ride than it would have been for everybody to go their own way. And that still holds true today.

Sharing the ride with just one other person can cut your commuting costs in half. Think about it.

Share the ride with a friend. It sure beats driving alone.



Homecoming 1977

A full cash bar will be operated on Saturday, October 15 during the nights festivities for your convenience. NO alcoholic beverages will be allowed into Harrington Auditorium on Saturday night by ticket holders. The following is a drink list:

MIXED DRINKS		BEER	
Whiskey - straight	\$1.00	Miller	\$0.55
w-water	.85	Lite	.50
sour	.80	WINE \$2.25 bottle	
Scotch - straight	\$1.00	Paul Masson	
w-water	.85	Rose	
tonic	.80	Chablis White	
O.J.	.80	SODAS	
collins	.80	Coke	.45
Vodka - tonic	.80	Ginger Ale	.45
O.J.	.80	Tonic	.45
collins	.80		

1977 Homecoming



Lee Hevey
Daniels 2nd



Lisa Krauss
Zeta Psi



Kathy Fitzgerald
28 Trowbridge



Cindy Lozesu
Phi Gamma Delta



Maureen Higgins
Scuba Club



Cathy Girouard
Daniels 4th

Queen Candidates

Photos by Mark Hecker



Sue Almeida
Morgan 3rd



Theresa Metcalf
Military Science



Michelle Neville
Daka



Beth Driscoll
Stoddard A



Hannah Halliday
Theta Chi



Luanne Green

HOME-COMING WEEK-END OCT. 14th-15th

HOME-COMING CONCERT

Oct. 14th
8:00 p.m.

HARRINGTON

Tickets available
in Daniels



**MELLISA
MANCHESTER**

She is a multi-talented writer, singer and pianist of spirited, yet, melodious lyrics. Mellisa has a wide audience appeal, that can satisfy almost every musical taste.

&

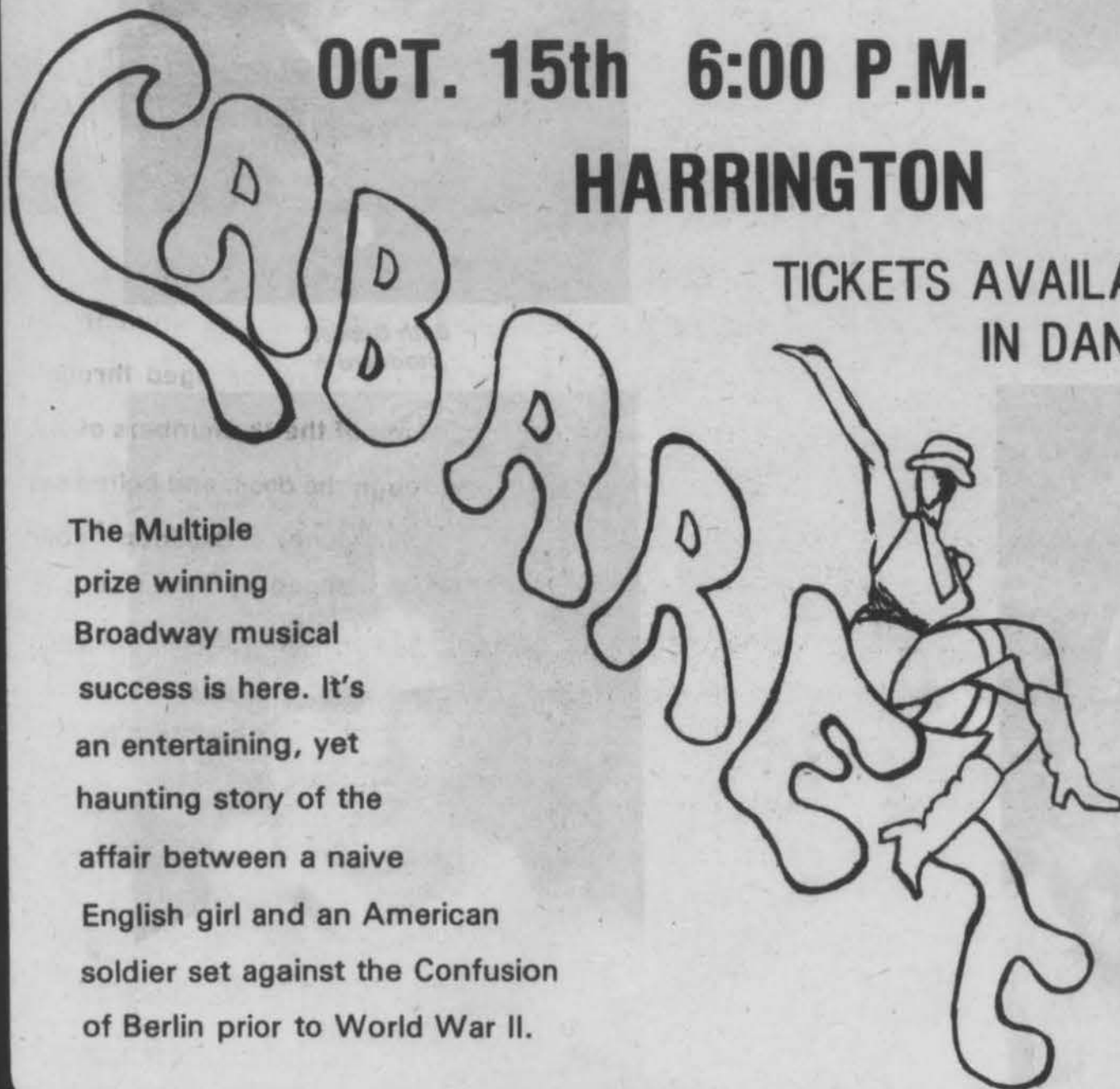
COMEDIAN — RICHARD BELZER

HOME-COMING DINNER THEATER

OCT. 15th 6:00 P.M.

HARRINGTON

TICKETS AVAILABLE
IN DANIELS



The Multiple prize winning Broadway musical success is here. It's an entertaining, yet haunting story of the affair between a naive English girl and an American soldier set against the Confusion of Berlin prior to World War II.

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OCEAN

A 6-piece rhythmic dance band guaranteed to get you onto the dance floor.

FULL CASH BAR
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Waiter & Waitress Service

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Goat's Head Club

Annual meeting

Meeting called to order by Chairman H. C. Thompson at 12:05 p.m.

Dr. Thomas H. Keil appointed Acting Secretary/ Clerk.

Members of Board present: Keil, Trask, Olson, Christopher, Poole and Thompson. Chairman Thompson opened with remarks in regard to the proposed transfer of the Pub to the College. President George W. Hazzard's memorandum was read.

A report of monetary assets was given: Consumer Savings Bank Special Notice Account — \$7,824.76*

Consumer Savings Bank NOW Account — \$799.56*

WPI Account A/ O — 8-31-77 — \$475.89*

* Plus accumulated interest at time of transfer anticipated.

* * Plus an additional approximate \$600 which will have been recorded by time of final transfer (i.e. Bills to DAKA for monies paid out, etc.)

Motion made, seconded, and carried to suspend rules of order to conduct discussion of future of Pub and to thereafter proceed to business at hand to elect the Board of Directors for the forthcoming year.

Questions, opinions, conjectures, etc. were forthcoming with anticipated more concrete answers at next legally called meeting of the Corporation set for October 4, 1977 (Noon) as advertised in *Newspeak* issue of September 27, 1977. (Copy attached hereto).

Dean B. Brown, member of Nominating Committee, presented the slate of officers and made motion which was seconded and carried to nominate the slate as presented. No other nominations were made from the floor. Nominations were closed.

Motion made, seconded, and carried to have Dr. Thomas Keil, acting Secretary/ Clerk, cast one ballot for slate as covered by the previous motion. Ballot cast and Chairman Thompson declared the election of the new Board.

Chairman Thompson turned the meeting over to Dr. Keil, newly elected Board member, who adjourned the meeting at 12:45 p.m. and called a meeting of the new Board of Directors.

Respectfully submitted,
Thomas H. Keil
Acting Secretary/
Clerk Protem

Draft guidelines

New advisory board

1. The Pub Advisory Board will meet monthly and receive a report at that meeting from the Pub Manager summarizing the status of Pub operations. Special meetings may be called by the Chairman or by any two members of the Board.

2. The Pub Advisory Board will receive a monthly financial statement giving gross revenue, merchandise costs, wage costs, other costs, and the operating surplus or deficit for the Pub, as well as a summary of the Pub Furnishings Account.

3. The Pub Advisory Board may from time to time request other information relating to the operation of the Pub.

4. The Pub Advisory Board will consist of 14 members, 7 faculty/ staff and 7 students. The officers of the Board will be Chairman and Secretary.

5. The Pub Advisory Board will hold an annual open meeting of WPI Students,

faculty, and staff. Notice of this meeting will be published in *Newspeak* at least five days before the meeting.

6. The Chairman will, not less than thirty days before each annual meeting, appoint a Nominating Committee of three persons, not more than two of whom shall be members of the Board.

7. The Nominating Committee will prepare a list of nominations to membership on the Board and for the officers of the Board and will publish the list in *Newspeak* at least five days prior to each annual meeting.

8. Additional nominations may be made by petition of seven students, faculty and staff of WPI. Petition nominations must be filed with the Secretary at least one day prior to the annual meeting.

9. For 1977-78 the Board of Directors of the Goat's Head Club, Inc. will serve as the Pub Advisory Board.

...Hazzard

[Continued from Page 5]

deficits, is a surplus. It is very pleasing to be able to balance our deficits with surpluses. But we have to keep constantly before us the work of all who make WPI a success and make sure that it is properly compensated and that there are enough to do the jobs required. We want to stay in successful operation but are not in business to make money. We are in business to make learning a successful

experience for all who come here.

In any event we owe thanks to many who made a positive result possible—to the students who entrust their education, to Aiden Research Laboratories, to a well run food and dormitory service, to careful energy use and conservation by Plant Services, to our Investment Committee, and to every one of the 500 people who work so hard for WPI. I'm proud to be able to work with and for all of them.

In accordance with the Constitution and By-Laws of the Goat's Head Club, Inc.

The following have been elected members of the 1977-78 Pub Board:

FACULTY—STAFF

- Peter Christopher
- Theodore Crusberg
- James Demetry
- Wilhelm Eggiman
- Thomas Keil
- James Matthews
- Alvin Weiss

WPI STUDENTS

- Chris Corpus
- Beth Driscoll
- Mike Neece
- Tom Panek
- Rick Poole
- Bill Potter
- Mark O'Neill

Respectfully Submitted: John Nyquist, Dean Bernard Brown, Prof. Lyle Wimmergren

U.S. POSTAL SERVICE
STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION
(Required by 39 U.S.C. 3685)

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MANAGING EDITOR (Name and Address): None

OWNER (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding 1 percent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a partnership or other unincorporated firm, its name and address, as well as that of each individual must be given.)
NAME: Students of Worc. Polytechnic Inst. ADDRESS: WPI, Worcester, MA 01609

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I certify that the statements made by me above are correct and complete.
SIGNATURE AND TITLE OF EDITOR, PUBLISHER, BUSINESS MANAGER, OR OWNER: Rory J. O'Connor, Editor-in-Chief

FOR COMPLETION BY PUBLISHERS MAILING AT THE REGULAR RATE (Section 110.121, Postal Service Manual)
39 U.S.C. 3626 provides in pertinent part: "No person who would have been entitled to mail matter under former section 4359 of this title shall mail such matter at the rates provided under this subsection unless he files annually with the Postal Service a written request for permission to mail matter at such rates."
In accordance with the provisions of this statute, I hereby request permission to mail the publication named in item 1 at the phased postage rates presently authorized by 39 U.S.C. 3626.

SIGNATURE AND TITLE OF EDITOR, PUBLISHER, BUSINESS MANAGER, OR OWNER



—Mark Hecker

Gadzooks! /!

Singing in the rain? Not quite, but almost as unexpected. On Friday, October 7, as students in Professor Tom Keil's PH 1101 class dredged through dot and cross products, 11 out of the 13 members of the Baker's Dozen sprang through the door, and belted out an irreverent Cole Porter tune, "Brushup Your Shakespeare." The prank, arranged by Prof. Keil, is the first in what the group hopes will be a series of such moves to promote themselves on campus.

Want a head-on encounter with Boston Bruins star Gerry Cheevers?

Call him at 482-6359.

Save the dates Friday, November 18,
and
Saturday, November 19!

The Great Pickup Is Coming!!!

M.Q.P.

WANTED: Mechanical Eng'g student with an interest or background in one or more of the following areas:

Design — Experimental Eng'g Heat Transfer
Materials Processing — Strength of Mat'ls

A MQP is to begin 8 term '77 to develop a new processing method for an impressive abrasion resistant polymer (Ultra-High Molecular Weight Polyethylene). The new processing method will combine elements of rolling, forging, rapid heating of powder materials, as well as others. This UNIQUE material has abrasive wear properties that exceed those of steels!! Applications include sno-mobile and ski treads, bunker linings, chemical resistant surfacing, anti-friction and/or anti-abrasion guide rails, mining (very low di-electric properties is: no sparks) and several others.

For further information and details contact
Professor B. E. Gordon, Jr.
Washburn 210

Phil Rubin
WPI Box 329

How to convince Mom and Dad to buy you a pre-paid Trailways ticket home

Check boxes, clip out, mail to parents.

Dear Mom and Dad,

Things are swell here at college except, of course, the food, which is so bad that I'm down to 91 lbs. living on salted water sending samples to the biology lab hoping you'll buy me a prepaid Trailways ticket home to get a decent meal.

I sure could go for some of Mom's good ol' apple pie Riz de Veau à la Financière blood transfusions Trailways tickets paid for at your local station and picked up at mine.

Dad, next time we get together, I want to tell you about my part-time job how I suddenly realized what a truly wise and magnanimous fellow you are where I left your car last New Year's Eve thanks for making this trip possible with a prepaid Trailways ticket.

I also need some advice on a personal matter my backhand where one can hire decent servants these days how to separate you from a few bucks for a prepaid Trailways ticket.

Got to sign off now and go to class to pieces drop three or four courses to the Trailways station to see if anyone sent me a prepaid ticket to get out of here for the weekend.

Love,

P.S., Just go to the Trailways station and pay for my ticket, tell them who it's for and where I am. I pick the ticket up here when I go to catch the bus.

There is a \$5 service charge for prepaid tickets. The user will be notified by the nearest Trailways terminal when the ticket is ready. Prepaid round-trip tickets are good for one year from the date of purchase. Prepaid one-way tickets are good for 60 days from the date of purchase.



Trailways

For more information call Trailways 754-2611

Fool proof?

Have you had enough of your studies, and are looking for something to do? Then why don't you bake yourself a fascinating and informative evening? Just follow this simple recipe:

1. Preheat oven to 400 degrees.
2. Mix: two hen's eggs, 30 green freshmen, 6 prime seniors, 2 zaney professors.
3. Next, add an imaginative production on the IQP, refreshments at intermission, and an enlightening production on the MQP.
4. Beat to a pulp.
5. Place the mess in the preheated oven for ½ hour.

It probably won't come out but the culinary artists from two of the freshmen seminar groups tried it with immense

success. They produced two hour-long shows. The first production, entitled "This is your life," explains all the questions you have on the Interactive Qualifying Project and adds their own touch of humor. Complete with a few commercials that you haven't seen on television.

The second show consists of several original skits explaining equally well the questions on the Major Qualifying Project. Interjected between these mini-dramas will be cartoons.

You may see the end production for free in Kinnicutt Hall at 7:30 p.m. on October 17. Freshmen are strongly urged to come. If you don't happen to be a freshmen, come down for the fun.

...PIRG

[Continued from Page 3]

projects. This means that our funding must be stable enough to plan our actions in advance, something that would not be possible if we depended solely on student government and not the students themselves for our funding. Finally, we have always imposed on ourselves the obligation of maintaining absolute majority support, so that if refunds ever exceed 50 per cent of the student body or if the number of students checking us off their bill exceeds 50 per cent, we voluntarily leave the campus with no prodding from anyone.

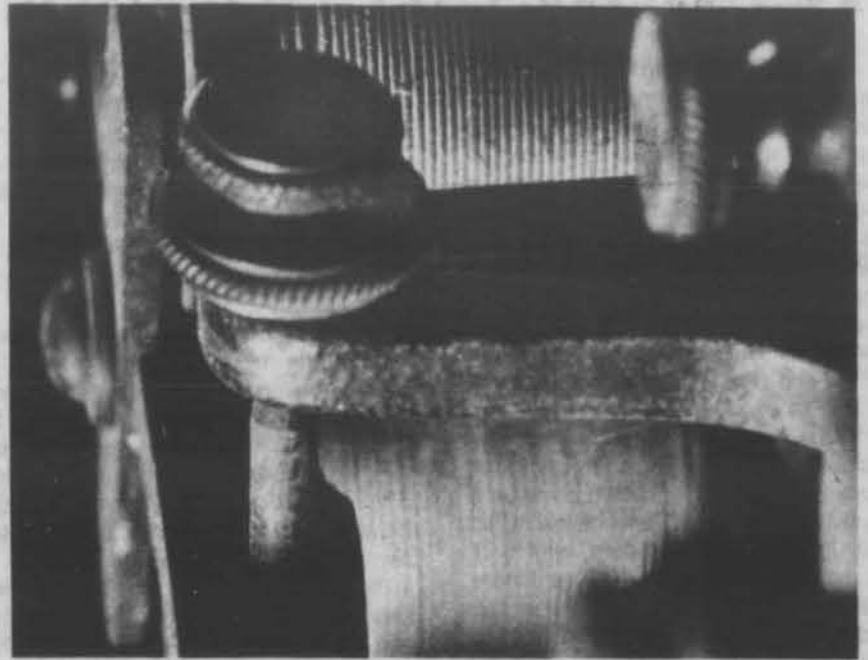
But what does PIRG actually do? That's really the question to ask in deciding if you want a refund. Generally speaking, we are a student-directed (our Board of Directors is entirely composed of students, including one from WPI) and student-supported organization active on a number of environmental and consumer issues. Last year, we were the major proponents of the Lottle Bill in this state, a bill that would have reduced litter, save precious energy resources, and according to EPA studies, increased the number of jobs in this state. This year, our major campaign is to create a Telephone Consumers Action Groups that would fight for 1 lower phone rates and better policies from the phone company. Our research shows that students suffer

serious discrimination in terms of higher phone deposits, earlier termination of services for late payment, and generally poorer service. We also have a lobbying project so that students can have a more effective voice in the statehouse, and nutrition projects that survey campus cafeterias, push for better food service, and at one school even created an alternative, student run food service with lower prices and better food.

In all PIRG has over one dozen projects this year that help the citizens of this state in matters concerning the environment and the consumer. All these projects involve the activities of hundreds of students on the 18 campuses across the state that have PIRG chapters. And all the projects provide the student with the opportunity to learn valuable public interest skills including lobbying, research, writing, public speaking, media work and organizing. So before you decide to take that \$2 refund, think of all PIRG does for you and the citizens of Massachusetts. I hope you will decide to support us.

Sincerely,
Charles Harak
Staff Attorney
and Organizer
Worcester area

— Steve Kmiotek



Guess Again!

You're slipping! Nobody guessed that last week's photo was a picture of a mushroom. So far, only three people are in the running for the free six pack, all being tied at one correct guess apiece. Keep in there, though, for the last four. You might just get lucky!

Answers for the first three weeks are:

Week No. 1: An apple with a bite taken out of it.

Week No. 2: The core of the WPI open-pool reactor

Week No. 3: A close-up of a mushroom.

Send all entries to:

NEWSPEAK PHOTO HUNT

WEEK FOUR
BOX 2472

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**SEIZE THE OPPORTUNITY
JOSTEN'S NATIONAL
COLLEGE RING WEEK
OCTOBER 24-29.**

The ASME talk on product liability, which was to be held last Wednesday, has been re-scheduled for this Wednesday, October 12 at 4 p.m. in Higgins Lab 101 (Conference room). Free coffee and donuts will be served, and all are invited.

Do you know what the MQP and IQP are really like? You don't? Well then, come to Kinnicutt Hall Monday, October 17 at 7:30 p.m. and find out!

Can you write a resume?
Can you write an Impressive resume?
Come to **Resume Writing Night**
and let the experts show you how!
with Mike Ahearn (Norton Co.)
and Bill Trash (Placement Office)

Tuesday, October 11, 1977 Olin 107 7-9 p.m.

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WPI bows to Bowdoin Soccer at 5-1-1

by Tom Rockwood

The WPI football team lost, 34-16, to Bowdoin last Saturday, and in doing so strengthened their reputation as a one half football team. The only difference between last Saturday's game and WPI's other two losses was that the Engineers came alive in the second half, rather than dying after the first half of play.

When the first half ended WPI found themselves in serious trouble. The score was 21-0 and Tech showed no signs of being able to muster an attack against the Polar Bears. Bowdoin scored its first two touchdowns within a minute and a half of each other. The first touchdown came on a four yard run by Jay Pensabelle. Bruce Bernier upped Bowdoins score, with 5:21 left in the first quarter, on a 13 yard pass play. Bowdoin's third score came in the second quarter on a three yard run by Tom Sciolla.

The second half was full of surprises, often unwanted, for WPI. Tech did not waste any time trying to turn the tide against the Polar Bears. With 7:43 left in the third quarter Mike Robinson scored on a three yard run. Steve Brown's point after attempt was good and the Engineers finally had something to show for their efforts.

Bowdoin scored again, on a three yard run by Peter Cooper, and then the surprises started. Bowdoin was stalled deep in their own territory and had to punt the ball. The snap got away from Bowdoin's kicker and was rolling around in the endzone. The kicker finally caught up with the ball and kicked it out of the endzone while it was still lying on the ground. The referees judged it a safety.

Since the safety was scored to WPI, Bowdoin had to kick the ball from their own

twenty yard line. The ball was caught by Mike Robinson, who, had a 46-yard total for the day, and run back to Bowdoin's 47 yard line. Three plays later Mike Walker caught one of Hughes' passes and took the ball into the endzone. The thirty yard touchdown pass set the score 27-16, and brightened WPI's hopes of turning the game around.

Such was not to be the case, though. With a little more than nine minutes left, Bowdoin turned the ball over to WPI on an interception. With Tech in good field position Mike Robinson went out for a pass, was wide open, but could not hold on to the ball when it was thrown to him. On the next play the Engineers tried the same play, only to be intercepted.

There was not much else the Engineers could do and had to suffer through another long scoring drive by Bowdoin. The Polar Bears finally scored with 57 seconds left in the game.

Tech's biggest problems seemed to be located in their passing department. Art Hughes started as quarterback, but was replaced by McBride, who completed 3-11 passes. Hughes returned for the fourth quarter, and finished the game with 7 out of 21 passes. Both quarterbacks were intercepted twice, two of which were converted into touchdowns by Bowdoin. "They didn't do a thing that we didn't expect," said Coach Massucco. "They just did everything right."

Next week's game, the homecoming contest against Wesleyan, will be one of Tech's toughest games of the season. Wesleyan is 3-0, and looks tough. Bob Guarsi, the touch Tech defender, is still on the injured list and will not play next week.

The WPI Soccer team wound up their extensive road trip with two very convincing wins, a 6-0 shutout over Lowell University, and a 4-1 mastery of Clark.

Four first half goals against a much weaker Lowell unit set the tone of the game as the Engineer's offense peppered the Lowell goalie with 18 shots. Dave Bachiochi began the barrage by knocking home a John Pavlos cross, early into the contest. Midway into the half, Pavlos picked up his sixth goal of the season with an assist from Dave Partridge. Minutes later, Jim Lukas got into the act, as he took a feed from winger Brian Huntley, and pushed the score up to 3-0.

Just following the goal, Lowell threatened to break the shutout bid as WPI's Larry Shiembob was forced to make a hand save on a sure goal, giving Lowell a penalty kick. Bob Grochmal turned aside the shot, as he has done so often, and the shutout remained intact. To close out the first half onslaught, Bachiochi set up an indirect kick in the penalty area and fed Pavlos for the score.

had their 3-0 halftime edge. The shots on goal figures (17-1 for WPI) indicated who was on top in the first half.

With the game well in command, WPI used most of its bench in the second half. WPI's attempt at tying the shutout record ended early in the second half, as a defensive mixup resulted in a fluke Clark goal, making the score, 3-1. Other than the brief letdown, the booters played near flawless soccer, combining excellent ball control and an impenetrable defense to hold off any further scoring by Clark. The booters finished off the scoring, midway into the half, as Pavlos recorded his ninth goal of the season with an assist from Lukas.

Leading the defense was Larry Hindle, who played his usual consistent game, cutting off just about every shot that came through. Other bright spots included a strong two-way performance from Thom Hammond, some extra-effort hustle by John Zahara, and a look at Freshman goalie Jim Eilenberger, who, along with Dale Spencer, have provided much needed depth behind Grochmal.

SPORTS

The second half saw Coach King utilize most of his bench, trying various combinations. The offense seemed to slow up considerably, as the passing game became non-existent. Still, WPI managed to fire home two goals in rapid succession (39 seconds apart) as Lukas took a Partridge cross and headed the ball into the net, and Abdul-Kader Tadjer was sent in by Bachiochi on a partial breakaway to complete the scoring at 6-0. Dale Spencer finished out the final half of the second half in goal to save the shutout for Grochmal. Incidentally, the 6-0 victory was Grochmal's third shutout of the still young season. He holds the school record of four shutouts, set in both the 1975 and 1976 seasons.

The booters played perhaps their strongest game of the season as they walked over an outmatched Clark outfit. With all due respect, the 4-1 winning margin didn't reflect the total domination that WPI enjoyed, as they held an unbelievable 33-6 margin in shots on goal.

The large throng on WPI supporters sensed a big win right from the outset as John Pavlos took the opening kickoff, worked his way around several Clark defenders, and fired a 40-footer past a startled Clark netminder, just a mere 11 seconds into the game. Pavlos worked his magic ten minutes later, as he looped a crossing shot that Lukas leaped high for and headed perfectly into the net, upping

the score to 2-0. Superb saves by a very good Clark goalie on shots by Brian Clang, Bachiochi, and Lukas kept the score as low as it was. Coach King then brought in goalie Dale Spencer to replace Bob Grochmal. As the first half neared its end, Tadjer scored his third goal of the year on a little dink shot over the goalie, and the booters

Notes: The Soccer team came off of a strong week last week to up its record to 5-1-1. They have six tough games remaining, five of which are at home. Heading the list is arch-rival and undefeated Babson, which comes into Worcester this afternoon for a key game..... The J.V. Soccer team took a tough loss at the hands of Dean Junior College, and then bounced back to shut out Worcester Academy, 3-0..... Homecoming Weekend will feature the WPI Soccer team taking on Assumption, Saturday at 11 a.m. It should be an interesting contest as Coach King's son, Jeff, plays for Assumption.....

-WPI SOCCER-SCORING-

Name	Goals	Assists
John Pavlos	9	2
Jim Lukas	4	1
Dave Bachiochi	1	4
Leo Kaabi	2	2
Abdul-Kader Tadjer	3	0
Dave Partridge	1	2
Steve Superson	0	2
Artie Shorrock	1	0
Brian Clang	0	1
Brian Huntley	0	1

BOWDOIN	14	7	6	7	-	34
WPI	0	0	7	9	-	16

FIRST PERIOD
Bowdoin 7, WPI 0

Pensavalle went four yards around right end for a touchdown at 8:17 to climax 59 yard drive in 13 plays. (Himmelrich kick).

Bowdoin 14, WPI 0

Pensavalle completed a 51-yard, six-play scoring march at 9:39, passing to Bernier for Touchdown on 12-yard play. (Himmelrich kick).

SECOND PERIOD
Bowdoin 21, WPI 0

Sciolla went through middle to score from the three after Lytton intercepted pass at WPI 33. (Himmelrich kick).

THIRD PERIOD
Bowdoin 21, WPI 7

Robinson slammed over from one to successfully complete nine-play 63-yard drive at 7:17. (Brown kick).

Bowdoin 27, WPI 9

Cooper ran five yards around right end at 11:27 after Polar Bears gained possession at WPI 18 following an exchange of fumbles. (kick blocked).

FOURTH PERIOD

Bowdoin 27, WPI 9

Pierce's center snap to Geannell Geannells, back to punt, goes through end zone for a safety. Play started at Bowdoin 22.

Bowdoin 27, WPI 16

Engineers cover 47 yards in three plays. Hughes' pass to Walker covering the last 30 at 2:29. (Brown kick).

Bowdoin 34, WPI 16

With 57 seconds left Cooper takes pitchout from Pensavalle and goes around left end for touchdown to complete 57-yard, 12-play march. (Himmelrich kick).

	Bowdoin	WPI
First Downs-Total	19	14
Rushing-Att.	233-85	107-39
Passing-Yds.	165	164
Passes Att.	13	32
Completed	8	10
Had Intercepted	1	4
Punts-No. of Punts	6-34.2	5-33.8
Yards Penalized	46	15
Fumbles-Lost	1	1

Sports Calendar

Tuesday, October 11

Soccer vs. Babson (H) 3:30 p.m.

Wednesday, October 12

SU Cross-country vs. Worcester Academy (a) 3:00 p.m.

Thursday, October 13

SU Soccer, vs Leicester Sr. (H) 3:30 p.m.

Saturday, October 15

Cross-country vs Holy Cross (H) 11:00 a.m.
Soccer vs Assumption (H) 11:00 a.m.
Football vs Wesleyan (H) 1:30 p.m.

Tuesday, October 18

Soccer vs. U.Mass (H) 3:30 p.m.

Attention: Sophomores & Juniors
Learn about the WPI Undergraduate Employment Counseling & Placement Program.
Combines academic program with two extended periods of paid, career-related employment. Job opportunities for Jan. 1978 and June 1978.

Information Meetings
Tuesday, Oct. 11 — 4:00 p.m. — Salisbury 121.
Wednesday, Oct. 12 — 6:30 p.m. — Stratton 202 or call F.C. Benner, ext. 549.
Tuesday, Oct. 11 — 4:00 p.m. — Salisbury 121; Wednesday, Oct. 12 — 6:30 p.m. — Stratton 202 or call F.C. Benner, ext. 549.

HOUSE FOR SALE OR LEASE

Excellent for fraternity or sorority, student or faculty. Walking distance WPI, business zoned. Inquiries: NEWSPEAK, if can't reply c-o NEWSPEAK then: Box 1588, WPI.

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An Organizational Meeting for the Women's Basketball Team will be held on Tuesday, October 11th at 7:00 p.m. in Sue Chapman's Office in the Alumni Gym. If you are unable to attend please see Sue as soon as possible.

An American Red Cross Lifesaving Course will be offered B Term to any interested W.P.I. student, faculty or staff. Course times are yet to be determined. If you are interested leave your name and address with Sue Chapman in Alumni Gym. Enrollment is limited, first come, first served.

Did the Titanic need lifeboats?

Beginning this week, NEWSPEAK will be available at the following locations across campus: Daniels Hall (mailroom), Wedge, Pub, Salisbury Lounge and Faculty Lounge, Library, WACCC, Higgins Labs Lounge, Goddard Hall Lounge, Olin Lounge, Atwater Kent Lounge, Kaven Lounge, Alumni Gym.



For three days in October, Boston will be the literary capital of America.

It happens every fall when The Boston Globe Book Festival gets under way at the John B. Hynes Auditorium in Boston. This year more than 50 outstanding authors will be on hand to speak and autograph their latest books. Among them are Alistair Cooke, Art Buchwald, Betty Friedan, Vance Packard, Robin Cook, Howard Zinn, Toni Morrison, Edwin Newman, Roberta Strauss Feuerlicht, Maya Angelou, Priscilla McMillan, Ulrike Welsch and Paul Szep.

There'll be hundreds of exhibits, lectures, demonstra-

tions, seminars, a special poetry program, a festival of award winning films and thousands upon thousands of books. There'll be music, food and even special entertainment for kids in the Children's Corner featuring storytelling, games, puppet shows, sing-a-longs, crafts and films. So bring your whole family.

This is the Festival's tenth anniversary. And we want everyone in Boston to come.

For a complete schedule of events, see The Boston Globe Calendar, Thursday, October 13.

Boston Globe Book Festival

October 14, 15 and 16, 1977
John B. Hynes Veterans Auditorium
Prudential Center, Boston

Present this ticket at the box office and save \$1.00!!!

\$2.50 for Adult Ticket (reg. price \$3.50)
 \$1.50 for Student Ticket (reg. price \$2.50)

SHOW HOURS:

Friday, October 14, 6 p.m. to 10 p.m.
 Saturday, October 15, 12 noon to 10 p.m.
 Sunday, October 16, 12 noon to 6 p.m.

SAVE \$1.00

What's Happening?

Thurs. 13

Tech Old Timers, Seminar Room, 10 a.m.

Fri. 14

Reception and dinner for Alumni Leaders, Salisbury Labs/Morgan Hall, 6 p.m.

Sat. 15

Tuxedo Classic Jazz Band — Anna Maria College, Campus Center dining Room, 8 p.m. Admittance, \$2.00, Cash Bar.

Sat. 15

Gordon Library Exhibit — Jack Tar, Oct. 15-Nov. 13.

Sat. 15

Homecoming Registration, Baseball Field, 10 a.m.-4 p.m.
Tour of Worcester Art Museum (for spouses) leaving Salisbury Labs, 9:30 a.m.
Tailgate Picnic and Barbecue, Baseball Field, 11:30 a.m.-1:30 p.m.
Rope Pull, Institute Park, after game.
Happy Hour for alumni and friends, Higgins House, 4:15 p.m.

Sun. 16

Alumni Council Meeting, Salisbury Labs 9:30 a.m.



Photo by Mark Hecker

UPI Newspeak

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