

# Time for action

Sometimes, I seriously wonder why we bother electing a student government at WPI. I say this not as an observer, but as a so-called participant, having served over the past year as Commuter Representative on the Executive Board.

The biggest single thing that stands out in my mind from my year in school politics is a feeling of helplessness that soon engulfed me after I started attending meetings. Nobody, from the President on down to the Class reps, seemed to have the slightest idea of what we were supposed to be doing. Meetings took on the airs of a farce; sort of a, "Well (Ha, Ha) here we are at another (Ha, Ha) Student Government (Ha, Ha) meeting!" attitude seemed to be prevalent.

## Editorial

Have you ever read the WPI Student Body Constitution? If you haven't, don't feel guilty; I don't think that more than one or two of your elected officers have, either. Of course, that may not be their fault entirely, since there are no more than one or two copies that have all the current amendments written into them.

The only thing that I can remember doing at Student Government meetings is voting on voting. Questions such as who can vote, who can

we vote for, what are we voting for, and general voting procedures were about the only questions brought up the whole time I was there.

Of course, the idea has crossed my mind that we didn't have the power to do anything, but I think that even if this were true that we should have done something. Supposedly, we represent you. This might lead one to think that there is some unwritten power lying in wait for a cause to come along, but there has never been a time when any of us tried to use it.

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# Newspeak

The student newspaper of Worcester Polytechnic Institute

Volume 6, Number 5

Tuesday, February 28, 1978

Blame poor organization

## Programmers compete

by Rory O'Connor

A hopeful computer programming team left WPI last Tuesday for a national competition in Detroit, but failed to place because of what they describe as "poor organization."

The team, consisting of Jim Cook '79, Mike Kenniston '78, Ed Menard '78 and Eric Northrop '79, qualified for the contest by placing second in a regional competition at WPI. The contest was sponsored by the Association for Computing Machinery (ACM) and Upsilon Pi Epsilon, the computer science honor society. Each team was given four problems to solve using Fortran, a common higher-level language. The judging was based on the time taken to complete a problem, the number of test runs made and the number of judged unsuccessful runs made.

According to Jim Cook, several problems plagued the contest. Scheduled to begin at 5 p.m. Wednesday, the preliminary task ran one-half hour late, thus pushing the contest start ahead the same length of time. The finish was extended from the original 1 a.m. Thursday to 3 a.m. because so few problems had been completed by the

original deadline. The biggest problem, though, was the number of mistakes made by the keypunch operators.

"They had six professional keypunch operators for 24 teams — 96 people," pointed out Cook. "The error rate averaged around 30 per cent."

Because of the demand on the keypunchers, the turnaround time for card decks (the amount of time from submission of a coding sheet to the receipt of finished cards) was two hours, Cook said. The turnaround time for running a program was about an hour and one-half.

Cook also cited incomplete information from judges as another factor contributing to the teams problems. The judges were to provide information to teams about the correctness of format, output and programming terms. Often, the information was misleading, claimed Cook.

The eventual winner was the regional champion, MIT, whose team completed two of the four problems. The next three teams to place each completed one problem.

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Explanation omitted

## PIRG letter purged

by Richard Goldman

More controversy has developed concerning Mass PIRG. An explanatory note on the purpose of the public interest organization was supposed to be enclosed in the spring tuition bill, but it was left out. If you glanced at the bill, you would have noticed that the only information pertaining to Mass PIRG was that the two dollar charge to support it could have been deducted. There was no mention of Mass PIRG's role on campus. Such a notice was promised to the student body government.

The Worcester area director of Mass PIRG, Charles Harek, fought for a month to have the message accompany the bill. He feels that the students should be informed as to what they are paying for. His attempts were halted by WPI president George Hazzard, and controller William Barrett. One of Pres. Hazzard's objections was, "if we started putting something about Mass PIRG in the bill, we'd have to start placing all kind of other agency and organization information in the bills."

Mr. Harek did not agree with Pres. Hazzard's reasoning. He remarked, "if there were other organizations like PIRG,

which there clearly are not, whereby an additional billing is made, then they should be allowed the same opportunity to explain their purpose." Mr. Harek is concerned that the students don't know enough about Mass PIRG to decide whether or not to support it.

Mr. Harek mentioned to Pres. Hazzard that the explanatory note would be placed in the bill at Mass PIRG's expense. The request for the message being enclosed with the bill was still thwarted. The substance of such a card would have read as follows:

"Mass PIRG is a student-supported and student-directed organization advocating the public interest on a number of consumer and environmental issues. Students choose to support PIRG on their campus through a referendum which must gain the signatures of 50 per cent of the student body. The WPI referendum called for a \$2 increase in the student fee. To insure that the rights of the

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## The nuclear power debate:

### Pro

This is the second article in a series on nuclear power. The incremental cost of nuclear power use for electric power generation is less than one fifth of the cost for oil or gas. Even though most of our energy needs for electric power generation are filled by coal, oil and gas, nuclear power plants saved from one to two billion dollars in 1974 and this figure is expected to rise to about \$8 billion in 1980 and to over \$20 billion by 1985. Also, a displacement of an additional \$40-\$80 billion per year is expected due to rising oil prices (1985 dollars) while only a small part of these benefits will be offset by the increases in the cost of uranium, reprocessing, shipping, waste disposal, and safeguards. Thus, the fuel in nuclear power plants costs much less to generate a given amount of power than coal, oil or gas and is continually gaining this advantage as the energy crisis gets more and more serious.

Another area of nuclear power plant cost is that of capital cost. Escalation in the

nuclear plant capital cost has been very rapid, going up from 150 to 300 since 1971. The result of this effect is expected to make the dollar cost of nuclear capacity during the period 1975-1985 about three to four times higher than the average cost for capacity installed before 1975. Nearly half of these costs is due to the cost of interest during construction and escalation. Causes of these extended construction cycles are mainly due to indecisiveness or jurisdictional uncertainties such as in the siting, licensing, and regulatory process. Other factors are the declining productivity of construction labor, and diversion of engineering, technical, and managerial talent to the complexities of regulation. However, despite these dramatic increases, the capital cost advantage of fossil generation capacity seems to be going down.

Unfortunately, despite cost advantages to the consumer a large number of nuclear power plants have been delayed or can-

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### Con

Harvey Wasserman, a leading anti-nuclear activist, is also author of *Harvey Wasserman's History of the US*. In future installments, he will discuss atomic racism, the stake of labor and the cities in the anti-nuclear movement and the future of the Clamshell Alliance.

#### CIVIL DISOBEDIENCE THREATENS OVERTHROW OF KING NUKE

by Harvey Wasserman

(Politics — CPS) — In late September, Robert Littlefield found 250 dead lobsters in his underwater storage cage. As he's done for years, Littlefield had stashed his catch in the waters of Seabrook Harbor, waiting for the holiday season. But this time some of the lobsters suffocated from excess silt in their gills and others succumbed to a rare disease. The substances that killed them could only have come from one place — a dock being built for the Public Service Co.'s (PSC) nuclear-power construction site, 750

acres of barren devastation on the edge of the magnificent Seabrook, NH, salt marsh.

On June 24, PSC's 67-foot-deep reactor hole will serve as the bull's eye in what may well be the largest single nonviolent disobedience action in American history.

As atomic construction continues throughout the US, new (and often unexpected) economic atrocities have cut through traditional political barriers and created a popular opposition far more diverse than anyone might have guessed two years ago. How the coalition holds up, the tactical decisions it makes, where it heads ideologically and how it coalesces with other progressive campaigns will go a long way toward defining American politics at the grass roots of 1978, and beyond.

#### CREDIBILITY MELTING DOWN

Radiation has now become a hot item in the daily media. Atomic disaster revelations have built a cumulative sense of discomfort

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# Editorials: ... Action

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Several issues were dealt with during the year, but even they were given the once over. At one meeting, someone brought up an idea to push for a Student Trustee, such as several other schools across the country have. Tony Weiner, the chairman of the supposed Committee of Concerned Students, was given the task of "quietly" looking into this. Why, may I ask, should this be done quietly? Were we afraid of hurting somebody's feelings? Is it wrong for us, the Student Body, to ask a question of the Trustees who, after all, are only looking out for our welfare? Nevertheless, when Mr. Weiner reported back that several people had turned hands down to the idea, absolutely nothing more was done. No official request, in writing to the Trustees, no polling of the students, not even a mention of the incident in the minutes of the meeting.

Another incident, involving Mass PIRG, reveals what weight Student Government carries when it does make a decision. After a meeting with Charles Harak, PIRG's campus rep, the Executive Committee, with Harak in complete agreement, decided that a cover letter explaining the nature of PIRG should accompany each bill. As you all know, however, the January bills were sent out less the cover letters, which Charlie Harak had written, and had even offered to pay for. The reason? Evidently, President Hazzard and Controller William Barret decided that we students were better off uninformed. More on this at a later date.

I can't think of a Student Government Committee in existence today that isn't in violation, in one way or another, of the present Constitution. When's the last time that you saw an IFC meeting posted? They're supposed to be open, publicized meetings. How about the Social Committee? How many people realize that the School Committee is only a standing committee of Student Government? New chairman John Goodwin has done much to improve the situation, but there's a long road ahead.

The SAB shouldn't be laughing at these committees, because they're as bad, if not worse. There are no procedures to follow. At the last meeting, people got mad when this newspaper demanded that members be given a copy of the by-laws of the committee, so that we could see what some proposed amendments were amending. People raved that they understood the amendments perfectly, but then tripped over themselves and ended up totally lost when they tried to explain them.

Bluntly put, it is our minority opinion that there are few of what one could truly call involved students on this campus. People go through the motions daily, but the fact remains that there is not a single bit of organized student power which I could call impressive or worthwhile. The administration has often been faulted in this space for trying to pull all the strings; in retrospect, I'd have to say that if this is true, we have only ourselves to blame for putting the strings in their hands and waiting for their guiding tugs.

Now that I've found fault with everybody, including myself, it's time to put forth what I think should be done. Everything hinges on the hope that what I have said in this editorial will make a lot of people see red. Hopefully, our "Letters" section next week will be filled to the breaking point with comments and suggestions from those of you who

have, in weeks like this, left it empty. Let's cut the behind the back stuff and get the issues that are bugging you out in the open, where they can be hashed out.

*Where Is The Committee Of Concerned Students?????????*

Last fall, when two girls were fighting for student input into faculty evaluations, they had to go out on their own, because they found out that the Committee, which was formed to handle situations such as theirs, no longer held meetings. The Chairman of this committee, who has done much towards its downfall, is graduating in June. This committee should be immediately reformed, and hold regular meetings, before several current Student Government members have their way and banish it forever.

The Student Body Constitution must be extensively rewritten. Election by-laws, if they exist, must be concurrently revised to include such things as time for actual campaigning in elections. ALL standing committees should start holding regular meetings (NOT once a month, at the whim of the Chair) and start publishing their minutes in this newspaper, so that we can all find out just what is going on.

There is so much that *could* be done that it boggles the mind. President Carter and others have proposed legislation that would give some sort of tax breaks to those families with children in college. How about some official support and Student Government lobbying for this? What ever happened to the fight over having to pay the meal tax at private colleges? Has anybody thought of renewing the drive to close West Street to vehicular traffic? Is the Plan beyond change, or does somebody out there have some input that might possibly upgrade an already outstanding idea? What about long-range planning on campus? Do any of you have some things that you'd like to see given priority?

These are just some of the things that Student Government *COULD* do, if it tried, and I'm just taking them off the top of my head. I'm sure that you must have more.

Let's hear them, now, before it's too late.

Tom Daniels  
AMR

## A credit union?

Now and then a student comes up with an idea that just should not be overlooked. Andy Davidson, a WPI Junior, has come up with one such idea. Andy is determined to form a credit union on the WPI campus. He has all the expert help and information that he can use. What he needs now is support from students, faculty, and administration.

What is a credit union? Well, it's like a bank, but it's better. Only certain people can join the credit union. In the case of WPI's credit union these people will be the students, faculty, staff, and administration. A credit union has several advantages over a bank. It will (hopefully) have an office right on campus. You'll not have to make any half-hour walks downtown to get your money or make deposits. A credit union has low overhead so that it can pay a high dividend to its members for their savings. The average credit union pays six percent interest. The credit union can afford to give out small loans at competitive interest rates. If you need a few dollars to buy books or carry you through a tuition payment, the credit union could help you. WPI employees will be able to save through a payroll deduction plan. Like a bank, all savings are insured by the federal government.

We ask that you support the proposed WPI credit union. It is for your benefit. Students will be circulating a petition this week: sign it.

Ken Mandile  
TAD

## Newspeak

The student newspaper of Worcester Polytechnic Institute

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## ENVIRONMENTAL INTERN PROGRAM for the Spring/Summer 1978

All applications must be postmarked no later than  
Midnight, March 15, 1978.

Applications and additional information are available from  
Dennis Lipka in the IQP Center, 3rd floor, Washburn Shops.

Sponsored by the Mass Audubon Society

The academic committee will have a meeting on

March 6, 1978 in the conference room of Student Affairs.

It will be held at 11:15 a.m.

# Pro

[Continued from Page 1]

called. There are two main reasons for the delays. First of all, there is only a certain limited available capital due to declining net earnings in utilities. Secondly, the earlier availability of fossil units due to shorter construction schedules has delayed construction of nuclear power plants.

Another area of nuclear power costs is that of productivity — the average capacity factors are 58 per cent for nuclear and 59.5 per cent for fossil fuels. This near coincidence of capacity factors should partly be discounted due to the differences in the incremental fuel costs since 1972 which would give preference to nuclear power plants of coal plants. However, nuclear plants have occasionally been used to allow load changes despite higher costs of keeping the coal plants at full load. This factor counters the other factor. For the most part the distributions of fossil and nuclear plants are comparable on the key measure of productivity. However, the lower half of the distribution is comparable, but needs improvement. If this part of the distribution

# Op-Ed:

(80 or more plants) were improved this would be worth a saving of one million barrels of oil per day by 1985. Also, these distributions are bound to change along with the more complex anti-pollution equipment which will force up the capital costs of coal plants to about these of the nuclear power plants.

Therefore, I must conclude that nuclear power plant costs compare favorably with other fossil fuel plant costs and will continue to compare even more favorably as the advantage of capital costs of fossil fuel plants over nuclear power plants decreases.

Source: *Annual Review of Energy* ed., Tach M. Hollander; assoc. ed., Melvin K. Simmons (Annual Reviews, Inc., Palo Alto, 1976) pp. 113-119.

# Con

[Continued from Page 1]

and distrust that now guarantees every proposed reactor will meet a solid wall of local resistance. Discharges from California's Diablo Canyon plant, which won't operate for at least a year (if ever) has already destroyed abalone. At Bakersfield, a hundred miles away, growers and farm workers alike wonder about proposed reactors whose cooling systems could severely strain the central California water supply. In New Jersey, the notion of twin nukes floating off Atlantic City has enraged the local tourist industry. Nearby, hot water emissions from the Oyster Creek plant have created a plague of shipworms, bizarre underwater parasites now devouring the wooden piers and hulls in Barnegat Bay.

And at Seabrook, reactor construction has created not only a national symbol, but a case study in eco-suicide.

Aside from threatening to destroy the local fish and lobster population, the company has now drained the area's water table to the point where pumps are churning sand and mud through local taps. The culprit is the PSC's concrete factory, built at the site to supply the enormous quantities of pavement needed to construct the plant. Cement, however, does not mix with salt water, and the company either underestimated fresh water needs, overestimated what was available — or never really thought about it. Now they've drained neighborhood wells and are confronting the real possibility that thousands of loads of wet concrete may have to be trucked in from elsewhere.

Aside from other complaints — such as the prospect of 1.2 billion gallons of sea water being sucked through the plant and returned to the Atlantic 39 degrees Fahrenheit hotter — the tourist business is upset about what the plant might do to the seacoast's prime moneymaker. Summer visitors, claims one local tourist boat operator, have already refused to swim in what they term "irradiated water."

Meanwhile, jobs promised to locals have gone to outsiders; of 1,200 hired for work on the project, only a handful are Seabrook natives. Rents have risen. Taxes — which PSC promised would drop — are soaring from the strain on town-services. And the company, which figures to spend at least \$1.15 billion on the plant, is close to going to court with the town over a disputed \$2 million tax bill.

## THE TRUTH BEHIND ... GREAT INTELLECTUAL CONVERSATIONS

WHAT DO YOU SAY LEADMORE LET'S HIT THE DISCO TONIGHT

SORRY IVAN... MY SEQUIN BELL BOTTOMS ARE AT THE DRY-CLEANERS



And in late November, PSC president William Tellman announced that the company would raise electric rates 17 percent. Another PSC official has indicated that PSC may have to increase rates 6 to 10 percent each year through 1984. Originally estimated at \$975 million, the plant, PSC now admits, will cost at least \$2.3 billion — and figures will be revised again shortly.

Between taxes, rents, lack of jobs, and threats to the tourist and fishing industries, many locals with roots that stretch back two centuries now face the possibility of being forced out of their towns.

### FINANCES FALL OUT

Reactor costs have been soaring everywhere. There are serious doubts about plant performance, and nobody's sure how to deal with radioactive wastes, plant decommissioning, or skyrocketing security costs. Since by law, utilities' profits are based on how much they spend for generating facilities, nuclear construction has forced an endless spiral of rate hikes.

This has fostered dependency on an accounting procedure called Construction Work in Progress. CWIP forces consumers to pay for generating plants as they are being built — before any juice is even delivered. In November of 1976, while anti-nuclear referendums were being snowed under in six states, an anti-CWIP measure won in Missouri 2-1.

In the face of public opposition, state agencies have stopped rubber-stamping rate-hike requests. In some cases the denials have made cancellation of proposed plants a virtual certainty; in others they have seriously threatened plants already under construction.

One utility pitfall has been trying to prove need for new capacity. A significant electrical surplus in this country has made it increasingly difficult for utilities to prove construction will serve any purpose other than inflating their rate base.

At the same time, the companies can no longer be certain they'll actually collect the rate hikes that are granted. Though difficult to organize, a consumer with-holding campaign is underway in southern New Jersey, and others may soon be starting in several towns in Connecticut and New Hampshire.

Unromantic though it may be, the rate issue is currently the Achilles' heel of the nuclear industry. Nobody wants to see his or her rates go up to pay for plants allegedly being built to save people money. It's an insult added to potential injury, and no single aspect of the nuclear issue is more certain to draw a broad base of support — or promise more direct effects.

Utilities' stocks, for example, remain among the most attractive on Wall Street, primarily because of the companies' heretofore guaranteed cash flow. Any significant cut in the rush of utility dollars

could leave big companies badly wounded, smaller ones in shambles. New Hampshire's PSC, with only \$602 million in total assets, is committed to twice that capital outlay at Seabrook. But with two Connecticut utilities trying to sell their 22 percent share of the project, a faltering cash flow could doom the company, as well as the Seabrook plant.

Other utilities seem to have gotten the message. Reactor orders, which ran at over 30 per year in the early 70's, dried up to a trickle in 1976 and 1977. "In about two years," predicts Howard Winterson of

Combustion Engineering, a major reactor-producer, "you are going to see this industry disintegrate."

With some 70 plants now operating and another 100 under construction, only a massive Federal bail out could produce the 320 reactors vaguely required by the Carter Energy Plan. Even if the money is raised, getting the plants built would require nothing less than a declaration of war, and not just its moral equivalent. In this case, the enemy would be a growing segment of the American people.

(to be continued)

### Transit Bill:

## "Woefully inadequate"

by Sen. Edward W. Brooke

Senator Edward W. Brooke charged today that the Carter Administration's recently proposed urban mass transit legislation is "woefully inadequate to the needs of our older urban mass transit systems."

Brooke warned that the Administration's bill could be "potentially disastrous for urban mass transit programs in Massachusetts and in other transit-dependent states which have older systems in use."

Brooke, who is the ranking Republican on the Senate Banking, Housing and Urban Affairs Committee, which has jurisdiction over urban mass transit legislation, said that the Administration's proposal could cost Massachusetts millions of dollars. Up to 30 percent of funding for highway and urban mass transit programs could be lost over a five year period, he said. Brooke explained that while the Commonwealth would receive approximately its current level of annual funding over the next five years under the Administration bill, the impact of inflation over that period would actually produce a substantial loss in federal funding for the state.

"If this is the opening salvo of the President's attack on our urban problems, it's certainly a weak one," Brooke said. "Our older cities and the suburban areas served by their mass transit systems should be seriously concerned." Brooke pointed out that President Carter's so-called "balanced transportation policy" runs directly counter to the policy objectives approved by the President in the recent statement issued by the Administration's Urban and Regional Policy Group. That statement urged that the emergency needs of communities and people must be met, and that the deteriorated capital infrastructure of our cities must be improved.

"There is no clearer case of need for increased federal support for urban mass transit and capital improvements than in

the older cities of the Commonwealth and other older industrial states," said Brooke. Instead of targeting assistance at the older cities and urban transit systems in need, Brooke said that the President's bill would instead disperse funds widely by formula across the country.

Brooke intends to introduce an alternative to the Administration's bill within the next few weeks. He has been working with the Massachusetts Dept. of Transportation to develop a proposal which will adequately fund the hard-pressed older cities. The Brooke legislation would provide federal matching monies. Contributions by state and local governments to operate their urban mass transit systems would thus be supplemented, up to a limit of one-third of a locality's actual operating expenses in a prior year. In addition, the bill would provide that no city would receive less funding than it would have been eligible to receive under the existing federal operating and capital assistance program.

Brooke also intends to propose increased funding for the existing discretionary program for capital assistance. Brooke added that the level of funding proposed by the Administration is "shockingly low, particularly when you consider the impact of urban mass transit on energy conservation."

Brooke said he intends to provide an approach to urban mass transit assistance that would be the cornerstone of a balanced transportation system, which adequately recognizes the real needs of our financially-strained local urban mass transit programs.

Brooke estimates that Massachusetts would gain \$60 million in urban mass transit funds during the first year if his proposal is adopted.

Hearings on urban mass transit legislation will be held in Washington, D.C. before the Banking, Housing and Urban Affairs Committee on March 1, 2 and 3.

## Contest

(Continued From Page 1)

"It was more luck than programming skill," remarked Cook. "It was 'How fast can you get a coding sheet done' in order to get it punched before everyone else."

The trip was funded mostly by contributions from faculty in the Computer Science department and the team members. The national chapter of the ACM also provided \$120 towards expenses.

The programming contest was held in the Detroit Plaza Hotel, and was attended by 24 teams representing 16 colleges in eight regions of the United States.

### INTRAMURAL BOWLING

"Bowler of the Week"

Cindy Connor — (PSS)  
180-162-236  
(578)

Tuesday, February 28

Physics Colloquium,  
"Radiative Collisions of  
Nucleons and the Nuclear  
Force," Dr. George  
Bohannon, MIT, Olin 107,  
4:15 p.m. (Coffee at 4).

## PIRG

(Continued From Page 1)

minority are protected, any student who does not wish to support PIRG may simply deduct \$2 from the bill."

Mr. Harek also tried to have this message given to students through the campus mail, but his effort was to no avail. That request was also denied.

In view of all of the billing hassles which Mass PIRG encountered this year (the lack of negative check-off in the fall, and now this current situation), Mr. Harek had some closing remarks. He stated, "In the final analysis, I am not sure whether Pres. Hazzard's decision to leave out the descriptive letter helped or hurt us." A clue to this question may be provided when the results of the student support are released. Even with this number tallied, however, the total impact of the decision can only be left to speculation.

PROF. DENNIS MEADOWS

THAYER SCHOOL OF ENGINEERING

DARTMOUTH COLLEGE

will visit WPI on

MONDAY, MARCH 6, 1978

3:30 p.m. GORDON LIBRARY SEMINAR ROOM,  
REFRESHMENTS

4:00 p.m. PRESENTATION BY DR. MEADOWS:

"LIMITS TO ENERGY GROWTH OR  
EVERYTHING YOU'LL NEED TO KNOW ABOUT  
BICYCLE MAINTENANCE FOR THE 1980'S"

5:00 p.m. FOR JUNIORS AND SENIORS!! DR.  
MEADOWS WILL DISCUSS AND ANSWER  
SPECIFIC QUESTIONS ABOUT THE  
THAYER GRADUATE SCHOOL OF  
ENGINEERING AT DARTMOUTH COLLEGE  
OR ABOUT THE SYSTEM DYNAMICS  
PROGRAM.

SPONSORED BY THE DIVISION OF  
INTERDISCIPLINARY AFFAIRS.

# EARN OVER \$650 A MONTH RIGHT THROUGH YOUR SENIOR YEAR.

If you're a junior or a senior majoring in math, physics or engineering, the Navy has a program you should know about.

It's called the Nuclear Propulsion Officer Candidate-Collegiate Program (NUPOC-C for short) and if you qualify, you can earn as much as \$650 a month right through your senior year. Then after 16 weeks of Officer Candidate School, you'll receive an additional year of advanced technical education. This would cost you thousands in a civilian school, but in the Navy, we pay you. And at the end of the year of training, you'll receive a \$3,000 cash bonus.

It isn't easy. There are fewer than 400 openings and only one of every six applicants will be selected. But if you make it, you'll have qualified for an elite engineering training program. With unequaled hands-on responsibility, a \$24,000 salary in four years, and gilt-edged qualifications for jobs in private industry should you decide to leave the Navy later. (But we don't think you'll want to.)

Ask your placement officer to set up an interview with a Navy representative when he visits the campus on March 13, 14, or contact your Navy representative at 518-472-4424/4462 (collect). If you prefer, send your resumé to the Navy Nuclear Officer Program, Code 312-B468, 4015 Wilson Blvd., Arlington, Va. 22203, and a Navy representative will contact you directly. The NUPOC-Collegiate Program. It can do more than help you finish college: it can lead to an exciting career opportunity.

**NAVY OFFICER.  
IT'S NOT JUST A JOB, IT'S AN ADVENTURE.**

1978

**PRESIDENT'S IQP AWARD CONTEST**

Each year the President of WPI with the assistance of the Division of Interdisciplinary Affairs sponsors a contest to foster Interactive Qualifying Projects of the highest quality by giving special recognition to students whose IQP's excel in some aspect of their conception, execution, or presentation. Five such awards are made annually; each author of a winning entry will receive a certificate and honorarium — \$50.00 per project or in projects with three or more authors, \$25.00 per student.

**ALL ENTRIES MUST BE SUBMITTED ON OR BEFORE**

**WEDNESDAY, APRIL 5, 1978.**

Entry Forms, Contest Rules, and a list of past winners of the

President's IQP Awards are available from:

**DENNIS LIPKA**

**IQP CENTER**

**WASHBURN, 3rd FLOOR**

**Photographs**

The Gordon Library of Worcester Polytechnic Institute announces the opening of an exhibition **THE INSECT WORLD — Photographs by Larry Jernigan**. A beautiful collection of thirty-three colored photographs taken of various insects open up an aspect of nature seldom available to the general public. The photographer has chosen a jet black background to set off the tremendous variety of color and design found in the individual insects. All the photographs in this exhibition were taken with a Nikon camera equipped with a Medical Nikkor lens using Kodachrome II film. The camera was hand held and the insects were alive and non-captive. Jernigan used a close-up lens to obtain a greatly enlarged image. The photographs are difficult, if not impossible to duplicate because the insects were not stationary. The task of identification was

equally difficult although each photo carries some labeling.

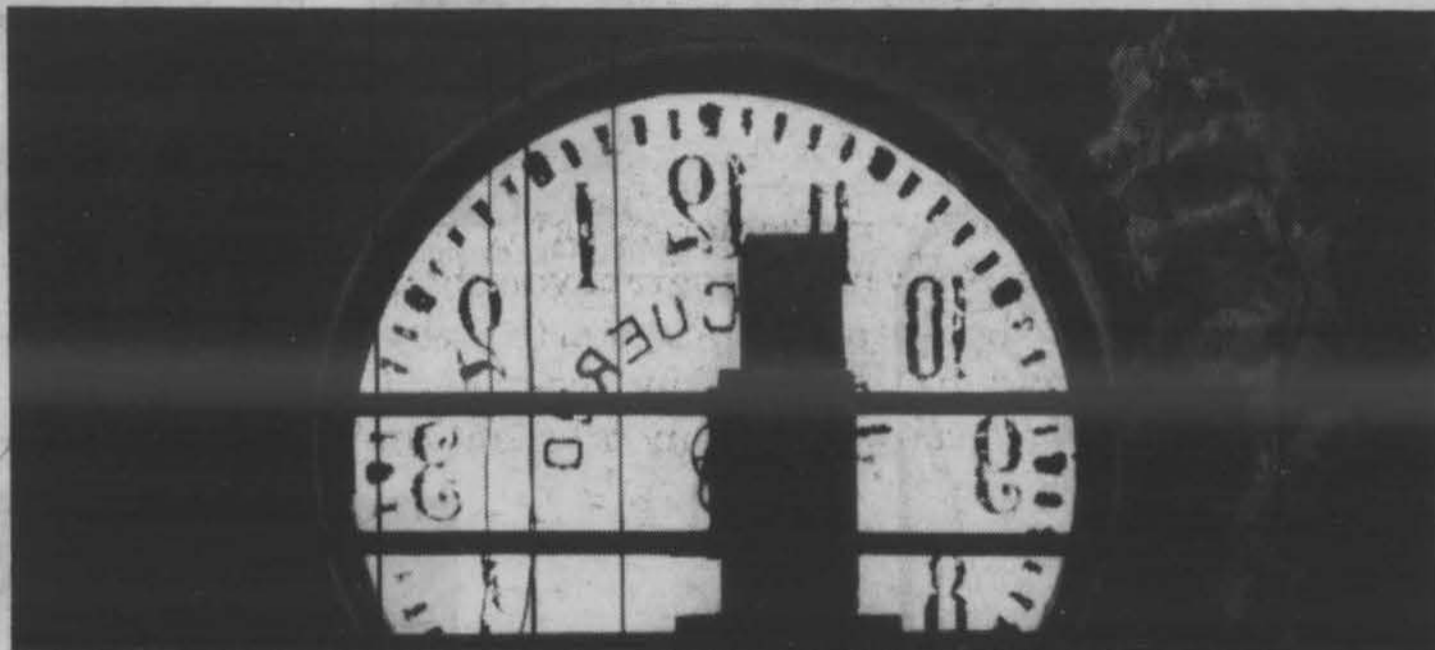
Larry Jernigan is thirty-four years old, and received his bachelor's degree in biology. He taught high school science and started insect photography as a hobby. As news of his excellence in both photography and micro-photography spread, he began receiving orders from commercial firms. What started out as a hobby developed into a profession and he now runs his own professional studio. In addition he teaches photography classes for the Southeast Arkansas Arts and Science Center. Philip Kiopfenstein, former Director of the Center suggested this traveling exhibition so that thousands of people may have a glimpse into the insect world.

The photographs will be on view from February 18 to March 19, 1978, and are being circulated nationally by Van Arsdale Associates of Alexandria, Virginia.

Details of the housing lottery, rates for room and board, and housing policy for 78-79 will be made available in late February.

An open house for specific apartments in Ellsworth/Fuller will be at the end of "C" Term. Specific apartments and dates will be announced in NEWSPEAK.

A series of three question and answer sessions are planned for mid-March to discuss the men's lottery, women's lottery, and apartments. Specific dates will be announced in early March.



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# Boskone Is: Fandom is just a Goddam

Those who are uninitiated seldom see science fiction as more than a field of robots, computers, rockets and mad scientists. Aside from being thematically richer than these scoffers allow, sf has something no other field could ever boast of: fan conventions.

The New England Science Fiction Association (NESFA) has been running regional sf cons — short for conventions — since 1965, with two in '66. The attendance of the first is reported to have been 66, this year the registration figure for Saturday morning was 1330 people. Boskone 15 ran from 6 o'clock Friday, Feb. 17, through Sunday night, Feb. 19.

There are basically two ways that you can attend a convention. The vastly preferred way is to rent a room in the hotel (the Sheraton-Boston), with five or six friends. The advantages of this should be obvious: it's cheap and you're close to all the events (if you take a room by yourself, it's far from cheap) or you can commute from anywhere on the MBTA octopus (my home is in Weymouth, a 20 minute bus ride to Quincy where I pick up the red line to Park Street, change to the Green line — Arborway to the Pru stop, or Riverside to the Auditorium stop). Commuting has one great disadvantage, namely, that the "T" stops running buses at about 12:30, which necessitates leaving the con around 11:30. Commuting is, however, vastly cheaper.

If you are unfortunate enough never to have seen a convention, you may be asking "What do the fans do for two days and three nights?" There are movies, discussions, talks, plays, hucksters, punday.

Movies, plays, hucksters, punday? I'll explain.

The moves are a large part of any convention. Over the convention, 31 plus hours of films were shown. The films ranged from the minute long *Bambi Meets*

*Godzilla*, "a Boskone Trademark" and *Space 2999*, "a fannishly produced spoof", to *Zikkaron*, an amazing animation from the National Film Board of Canada, to features: *A Boy and His Dog*, *The Day The Earth Stood Still*, *Forbidden Planet*, *Wizards* and the original un-cut *King Kong* "here to terrify Boskone film freaks." (All quotes from the Boskone film schedule.) Former Techie Bill Carton, who organized and ran the film program, prided himself on the accuracy of the schedule; the only times when the printed times varied from the actual times were where substitutions had been made, involving films of different lengths. The program also included the recent publicity film, *Massachusetts: A Special Place*, starring Leonard Nimoy — trying to place a call to Vulcan Michael Dukakis, acting cute, and Arlo Guthrie, who commented on the meanness of Massachusetts ducks.

The main program of the convention began on Saturday afternoon, with the introduction of the Guest of Honor, British sf author John Brunner, and the Science Speaker Martin Minsky, director of MIT's Artificial Intelligence Laboratory. At that time, Spider Robinson received NESFA's Skylark Award, named in honor of E. E. "Doc" Smith, annually given to the person who NESFA feels has contributed the most to Science Fiction and its fans. As his GOH speech, Brunner talked on becoming a public figure and the resulting affect on his writing. Several panel discussions were also held, including such topics as "Artificial Intelligence in Science Fiction", with David Gerrold, author of *When Harlie Was One*, Martin Minsky, Jim Hogan, of DEC moderated by Topher Cooper, also of DEC; and "The Business of Fiction" with Brunner, Frank Herbert, author of *Dune*,

[Continued to Page 7]



Left to right Don Benson, John Brunner, Bev Bova, Frank Herbert, Jim Frenkel.



Harriet Kay, during Golt speech.

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# Hobby!



Spider Robinson



Marty Gentsy playing Cosmic Encounter



Left to right, Jim Hogan, Topher Cooper, Martin Mirsky, David Gerrold.

[Photos by Jean Martin]

[Continued from Page 6]

Don Benson, and Jim Frenkelm, both from Dell Books, moderated by Ben Bova, editor of Analog magazine and author.

Saturday night witnessed the world premiere of *Rivets Redux*, a science fiction musical, presented by the Rhode Island sf Association players. The play, written by Sue Anderson and Mark M. Keller tells the story of four out of work sf heroes from the 1930's-40's "Golden Age of Science Fiction." To the music of Gilbert and Sullivan, the heroes, Charles Dexter Ward — from Lovecraft's novel *The Case of Charles Dexter Ward*; Conan the Barbarian — the original Conan, by Robert E. Howard; and Kim and Clarissa Kinnison, Gray and Red Lensmen (Lenspeople?) from E. E. Smith's Lensmen series, discover that there is a place for them in today's sf, if they make a few adaptations. Conan becomes a librarian and member of the Modern Language Assoc., analyzing symbols in sf (cymbals? or drums?). Charles Ward joins a barbarian horde, as a security guard. The Kinnisons go into acting, he as Luke Spywalker and she as Princess Laya, first at supermarket openings — but later bigger things. Like RISFA's first attempt at a full length production — *Back to Rivets*, for Boskone 14 — *Rivets Redux* is full of puns and allusions to sf. These endeared the play to the audience.

Puns had a place at the con, namely Punday night. Starting Saturday around 1 a.m., punsters vied for the worst, most obnoxious puns. The idea comes from the Callahan's bar stories by Spider Robinson, who "moderated" the competition. I missed this year's punishment, and can only report that, on Sunday, no one wished to talk about the previous night.

For any fan, the most dangerous part of any convention is the Huckster's Room. Here can be purchased almost any science fiction book or magazine or movie poster ever printed, any Star Wars or Star Trek gimmick ever conceived of in addition to everything else. The motto of the Huckster's seems to be "A fan and his money are soon parted." Level-headed, clear thinking fans have been known to go berserk and buy copies of the Klingon Battle Cruiser plans. Clearly the Huckster room is not for the weak. On the other hand, it is nice to be able to get a copy of Jim Blish's *Cities in Flight* paperback for \$1.25.

This was just an overview of Boskone 15. Much more goes on: costume parties, autograph parties, tea parties, parties, a lot of talking, filksinging (don't ask. You don't want to know) games — computer and sf, and generally people finding other people with similar interests.

Hobby? Never! Fandom is a way of Life!



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**WPI Science Fiction Society** announces the results of the election of officers, on **Thursday, February 16, 1978:**  
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**Vice President:**  
**Jean M. Martin**  
**Secretary: Charles LaBrec**  
**Treasurer: Dick Curtis**

**WPISFS Meeting**

**IQP Center**

**Thursday, March 2**

**7:30 p.m.**

Be there, tanstaaf!

## Entertainment:

### Santana reviewed

by Maureen Higgins

Some people (like me) will never learn. When will I realize Boston is not for me? Last Saturday night's episode in Boston was beset by troubles, namely engine and empty pockets. We'd come to see Santana in the Boston Music Hall, second show. Just fifteen minutes before show time the alternator belt broke. Of course, it was hard to locate a service station that actually serviced, but we did get to a 24-hour Mobil. Damn foreign car, it'd take at least an hour to fix and only if they had the proper tools. The sign in the window read, "we gladly accept your personal check," and we breathed a sign of relief because our funds were more than short. That didn't last long, as the manager told us to ignore the sign, it's upfront cash only. Kindly people, we were allowed to run off to the show. Bad luck and trouble are hard to shake and we promptly lost most of our beer at the door. With the warm up act nearing its close, we were ushered to our seats to try and enjoy the show. This was no problem to one of my companions, we other two had a somewhat harder time, but as the show wore on our hostilities wore down.

Eddie Money preceded Santana. He's a typical rocker, full of spunk (that is not a misspelling of punk). His songs were done well, particularly "Two Tickets to Paradise." Others that we caught included "Hold on to Me" and "Call on Me." He even got an encore to which he responded to with "Gambling Man." Soon the stage was empty and like a typical concert goer I decided to check out the restrooms. Par for the course, the toilets were almost all out of order. Maybe, I should have scalped my ticket? I mean thus far the evening was hardly enjoyable.

The mood changed with the emergence of Santana on stage. They opened with a

medley from *Festival* and then moved on to a beautiful rendition of an old favorite, "Black Magic Women." The audience loved it. "Dance Little Sister, Dance" and "Samba Pa Ti" kept the spirit up. Here it can be said that the line between rock and jazz is fine, yet Santana effortlessly crossed over many times throughout the show. With magnificent control over the audience, they transcended music-making. The tasteful, multi-colored lightening added to the affect. "No One To Depend On" led into a lengthy drum solo wherein the band pretended to leave. They were back with the "Evil Ways." End of set, and the audience demanded more. For their first encore they did "She's Not There" plus two other numbers. The crowd was not satisfied and a second encore was in order. "Wonders" followed by a pleasing farewell song signaled the concert was over. Throughout the show Santana as a whole was not flashy, there's no need for show when you're good and you know it. Carlos Santana can work wonders on a guitar and the four man rhythm section was impressive. Once during the body of the concert things got so hot that two young girls (probably daughters of one of the band members) came on stage with a tamborine and a pair of cymbals and danced like they couldn't stop. A family affair perhaps, but very effective. The concert made the change in Santana's music over the years more noticeable. As always when change occurs something is lost and apparently, in this case, it's vocals. Both shows were deservedly sold out. Although I was not an avid Santana fan prior to the concert, I was somewhat swayed by their excellent performance. And even though we didn't get back to Worcester until five a.m., everything worked out okay.

## Consortium Chorale

The Worcester Consortium Chorale will present the Schubert Mass in E Flat in Mechanics Hall on Friday, March 3rd, at 8:00 p.m. The concert is the first venture of the Chorale comprised of the W.P.I., Clark, and Anna Maria Glee Clubs, and is comprised of about 150 students from the three schools. Admission \$2.00. Tickets available in office of Student Affairs or at the door. Among the soloists for The Schubert are: Alto — Mrs. Malama Robbins, and Soprano — Mrs. Barbara Levy. Professor Louis J. Curran will conduct the orchestra and chorus.

This particular Mass is Schubert's 6th and last Mass. It was composed only a few months before he died in June and July of 1828. The Mass was first performed about one year after the composer's death at Vienna's Parish Church of Mary the Comforter.

The Chorale's Glee Clubs are also very active in their own programs. W.P.I. and Anna Maria have been abroad for musical tours: Anna Maria to Italy and W.P.I. to England, Austria and Germany. Clark, on its own, has several opera performances planned in the future.

## Record ravings

by Maureen Higgins

Levon Helm, formerly of The Band, and his new album are not what you'd expect to find in a typical college student's record collection. It's secular. The album *Levon Helm and The RCO All-Stars* has gotten considerable critical attention of the favorable type. It's a good album, but you probably haven't heard it except on an FM station or two. Levon Helm's *Levon Helm and the RCO All-Stars* is a modern blues R&B album. To the best of my knowledge the "RCO" comes from the studio in which much of the album was recorded. The All-Stars incorporate Booker T. Jones (keyboard—percussion), Mac Rebennack (keyboard—guitar—percussion), Paul Butterfield (harmonica, of course), Fred Carter, Jr. (guitar), Donald "Duck" Dunn (bass), Alan Rubin (trumpet), Lou Marini (saxophones), Tom Malone (trombone), Howard Johnson (baritone sax—tube), Eddie Offord (sound), and Steve Cropper (guitar) with Levon Helm taking care of vocals and drums. Quite a line up, isn't it?

The tunes are equally impressive. Although I favor several, there isn't a weak one amongst them. Common life situations are transformed into moving melodies. "Washer Woman" is a moderate, whistle while you work bluesy number. The subject of "The Tie That Binds" is marriage, complicated by dishonesty. "Milk Cow Boogie" cooks, it's foot stomping, get down, boggie tune peppered with plenty of harmonica strains. While "Rain Down Tears" is a traditional blues number that hits home, "Havana Moon" transports the listener to the Caribbean. For a change of pace, there's "That's My Home," reminiscent of a lonesome cowboy's ballad. "(She was only a) Mood I was In" is intriguing with its quietly haunting lyrics. The representative love song is in the form of the tender "You Got Me," and "Sing, Sing, Sing" is an optimistic tune about world betterment. But "Blues So Bad" serves to summarize the album and its message — "the blues don't burn, they must smoke..."



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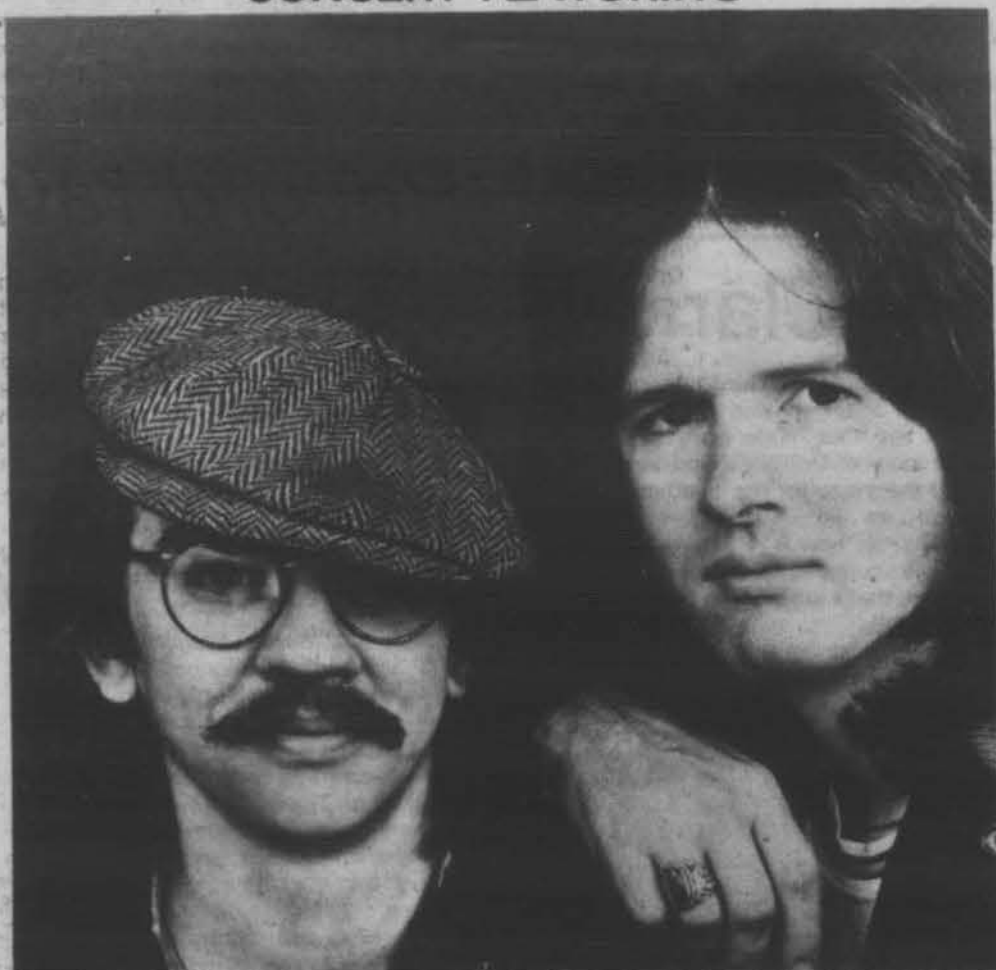


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# SPORTS

## WPI nipped by Clark

by Barry Aronson

WPI basketball dull? No way! WPI just barely missed toppling the Clark Cougars last Saturday night at Clark's new Student Activities Center. Kevin Doherty's baseline jumper brought WPI within one, 82-81, with 1:04 left, and had the full house crowd on their feet. The vocal crowd did not sit down for the rest of the game.

Doherty's two points turned out to be last basket of the night. With eight seconds left in the game the Engineer's Wayne Barry, who had 18 points for the game, took the ball away from Kevin Cherry and then threw up a shot. The shot missed but was picked up by John Broderson, who tried two shots, both missing. Following the never give up style WPI had exhibited throughout the game Mark Nestor made one last ditch attempt that missed. Clark forward Kevin Clark, at 14 points for the game, came up with the rebound and was tied up by Barry. The refs called a jump by the ball. Three seconds showed on the clock. Clark controlled the jump ball.

"I thought I got fouled at least once, maybe twice," said Broderson, who scored a career high 24 points. "The refs wouldn't call it."

WPI looked psyched out at the start of the game and Clark took a quick 8-2 lead. WPI went to a triangle defense and took the lead with 7:33 left in the half on a free throw by Sices. With shots by Doherty and Barry, who had a career high 18 points, stretched the Engineer's lead to 34-29. The game did an about face as Clark scored the next 13 points and trotted into the locker room with the score 46-41, in their favor.

WPI eased their half time deficit on a shot by Broderson, 24 points for the night, and were up 65-64 with 9:29 left in the game. Clark promptly answered the Engineer's comeback by going 14-4 for the next five minutes, giving themselves a 78-69 lead, the largest of the night, with 4:32 remaining in the game. Clark looked to have the game all sewn up and made the

mistake of relaxing. The "never-give-up" Engineers again showed that they could always find that "little extra" and came within one with Doherty's baseline jumper, setting the stage for the final showdown.

"Give us some credit," said Ken Kaufman, the now 8-11 Engineer's coach. "For us to come in here and nearly knock off a team that's tournament bound is really something."

"They almost ran us out of the gym," said Cougar coach Halas. "Barry was excellent and their depth in the backcourt really helped them."



Mark Hecker



J. Gordon Gregory

## Women now 11-3

by J. Gordon Gregory

The Women's Basketball season is drawing to a close, with only one game left to play in the regular season. A home game against Babson, tonight, Feb. 28, will finish the 77-78 schedule, with tournament play starting this Thursday at Lowell. Four games were played since last week, and on the whole, the results point to excellent chances for WPI in the state championships.

On Saturday, Feb. 18, the women played Division II power Assumption College (WPI is Division III). WPI led comfortably at the half, but Assumption came back during the second half and scored a last second shot at the buzzer to defeat WPI, 53-55. WPI was hampered significantly by the absence of Pat Keough, a Junior forward who had injured her ankle two days before in the Clark game. In addition, bad calls by the referees all seemed to go against Tech. Janet Hammarstrom, Mary Donovan, and Peg Peterson all scored in double figures for WPI.

Last Tuesday, WPI travelled to Curry to face the worst team yet this year. The final score of 54-25 doesn't really display the incredible difference in the two teams. One really appreciates Harrington when he sees the sties that some other teams call home. The Curry gym was a converted barn (or at least looked like one), and the poor lighting and wavy flooring were second only to the crud on the walls of the locker room.

Harrington hosted the girls from Suffolk University on the following Thursday, and the outcome was similar to the Curry game. Suffolk never got any kind of attack going and WPI's excellent defensive play had more than a little to do with it. About five

minutes into the game, Sophomore Leslie Knepp stuffed a Suffolk girl so hard that she never even got off the ground. Suffolk's only scoring came on lucky outside shots, so by half-time WPI held a 21 pt. lead. Things went much the same way during the second half, and finally it was over, 59-29, WPI.

Last Saturday, WPI hosted another Division II team this time it was the women from the University of Lowell. Things began looking very similar to the earlier Clark and Assumption losses, with Tech blasting a wide-open lead early in the game; there was no Lowell score for more than six minutes. But all of a sudden the great lead disappeared as Lowell managed to catch right up to Tech and trail by only three points at the half.

After the half-time break, Lowell kept up the pressure and led for a few moments, but WPI always managed to get back into the game in no time. With about eight minutes left, WPI started to pull away. Mary Donovan put together a few consecutive long shots, and that opened up the Lowell defense enough for Janet Hammarstrom and Leslie Knepp to work the ball inside for a few more baskets. Lowell cold and suddenly WPI was 20 points ahead with just a few minutes left. When it was over, WPI had won, 56-40. Janet "Scoop" Hammarstrom was the star of the afternoon with 21 points and perfect shooting from the foul line.

WPI now has an 11-3 record, and if tonight's game goes well, it will be a 12-3 season record to take to the State Tournament this Thursday. If everything goes well and all of WPI's players stay healthy, a Division Title is a very real possibility.

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# Hockey team suffers

The Hockey Team has gone through another week of losing. Three losses this past week were to Western New England, Stonehill, and Assumption. The team has the ability to beat every team on the schedule, but the opponents all have one thing over WPI: ice time. Other teams skate up to five times as much as Tech and with a sport such as hockey, practice is the key.

The team started off with Western New England. Dick Forand played horribly in goal as Tech lost 9-4. Scorers for WPI were Chuck Crowley, Dave Freni, Greg O'Halloran, and Len Bowen.

Stonehill completely dominated the next game in winning 10-1. Stonehill just out-skated Tech, which shows the importance

of practice. Crowley scored the lone goal for WPI. John Janus and Mike Gariepy shared the goaltending duties, taking on 48 shots.

The final game of the week was against Assumption. The score was 9-2 with O'Halloran and Freni, playing first line, getting the goals. John Janus did not have his best game in goal as Mike Gariepy relieved him for the third period.

All of the team's troubles are related to practice time. The team just does not have the money to pay for practice, hence they are limited. This is the final week of the season with games against Stonehill Wednesday and Tufts on Friday, both away.

# Swim team ends season

The WPI waterwonders concluded their dual meet season with victories over Trinity and Brandeis sandwiched around a defeat at the hands of Tufts.

The Trinity meet, which was billed as the closest meet of the year, turned into a 57-38 rout with the first two races setting the tempo for the whole meet. In the medley relay the foursome of Mark Burzynski, Ray Dunn, Bob Brown, and Steve Wiezbicki turned in a school and pool record 3:51.5 for the upset victory. Sue Call and Tom Snead, not to be shown up, followed with an impressive one-two finish in the 1,000 yd. free style, with Call winning in a women's New England record of 10:36.9. Other WPI winners included Bob Brown (200 fly), Sue Call (500 free), Jay Bellingham (200 breast), and Steve Wiezbicki (60 free, school record 27.8, 100 free). Others swimming well include Ray Dunn, Jay McNeef, Chris Rotti, and Mark Burzynski.

When Tufts rolled into town they were sharpening up to defend their third place

finish in last year's New England and proceeded to take the first five events, and then rolled to a 58-36 victory. WPI was obviously missing their women, who were at the New England, but showed some fine performances in the defeat. Brown, Wiezbicki, and Bellingham each registered victories. Wrapping up the season with Brandeis, WPI rolled to an 86-24 victory. WPI won every event except the 100 free and 400 free relay.

All that remains now is the Men's New England and Nationals and Women's Nationals. New England qualifiers include Jay Bellingham, Ray Dunn, Bob Brown, Chris Ratti, Jay McNeef, Tom Snead and Steve Wiezbicki. Women who have qualified for the Nationals are Sue Call, Anne-Marie Krugliwice, M.J. Hall.

The team thanks its supporters and all who helped time or help run the meet for a fine season and we'll be back next year. Special thanks goes to team manager Tina Tuttle.

## I.M. Results:

### Scores

#### INTRAMURAL BASKETBALL RESULTS

MDC (B) 37 Brad (17)	KAP (B) 39 Blatchford (9), Hallett (8)
SPE (B) 34 Brown (10)	SPE (B) 12
AC WBF	GAM (A) 38 Lawrence (10), Wilson (8), Rieux (8)
KAP (D) LBF	KAP (D) 28 Lesnowski (8)
ATO (B) 33 Hennessy (10), Korzec (10), Roberge (14)	QTV 22 Bressat (5)
TKE 7	SAE (C) 12 Hurley (8)
PSK (B) 28 Baldiga (8)	STD (C) 34 Woodbury (11), Johnson (10)
KAP (C) 18	KAP (C) 18
SPERS 28 Fischer (8)	FULLER WBF
SAE (B) 14	TBLG LBF
TBLG 22	DAKA 72 Maki (21), Warburton (18), Hill (12)
ATO (C) 8	TKE 17
TC 57 McGuinness (10)	SPERS 36
SAE (C) 10	DB 24
LCA (A) 51 McClane (12), Rowden (11)	TC 29
SMOKE 30 Edwards (12)	LCA (C) 14
PMO 26 Marone (10)	PSK (B) 37
KRAP 23	LCA (D) 13
BEER 44 Pellaster (9), Mirolli (8),	SIG PI 33
Trudel (8), Clone (8)	TROW 30
ZP 14	AC 32
LCA (B) 24 Niles (7), Klein (6)	ATO (C) 27
SPE (C) 18	

#### INTRAMURAL BASKETBALL STANDINGS

As of Feb. 23

DIV. I: ATO (A) 6-0, ROTC 4-0, SPE (A) 3-0, PMO 3-2, TC 3-3, LCA (C) 2-4, KRAP 1-4, QTV 1-5, SAE (C) 0-5.

DIV. II: OTHG 6-0, CELTS 5-0, FLJI (A) 4-0, BEER 4-2, STD (C) 3-3, ZP 2-4, PSK (B) 2-5, LCA (D) 0-6, KAP (C) 0-6.

DIV. III: TROOP 5-0, KAP (A) 4-0, PSK (A) 3-1, PATROL 3-2, LCA (B) 3-3, SPERS 3-4, SAE (B) 1-4, SPE (C) 1-5, DB 0-4.

DIV. IV: SAE (A) 5-0, KAP (B) 6-1, DAKA 4-1, ATO (B) 4-2, SIG PI 3-2, TROW 3-3, KMOA 2-3, MDC 1-4, SPE (B) 1-4, TKE 0-7.

DIV. V: IYF 5-0, LCA (A) 5-0, SMOKE 4-1, GAM (A) 3-1, FULLER 2-3, AC 2-4, KAP (D) 2-4, TBLG 1-5, ATO (C) 0-4.

#### INTRAMURAL BASKETBALL As of Feb. 23 TEAM OFFENSE

Team	Games	Pts. Scored	Ave.
1. IYF	5	431	86.2
2. ROTC	4	245	61.3
3. KAP (A)	4	242	60.5
4. LCA (A)	5	291	58.2
5. TROOP	5	298	57.2
6. SPE (A)	3	167	55.7
7. ATO (A)	6	317	52.8
8. FLJI (A)	4	204	51.0
9. SAE (A)	5	250	50.0
10. SMOKE	5	244	48.8

#### TEAM DEFENSE

Team	Games	Pts. Allowed	Ave.
1. OTHG	6	85	14.2
2. ATO (A)	6	88	14.7
SPE (A)	3	44	14.7
2. KAP (A)	4	61	15.3
4. PSK (A)	5	79	15.8
5. CELTS	5	84	16.8
ROTC	4	67	16.8
8. TROOP	5	106	21.2
7. FLJI (A)	4	89	22.3
8. IYF	5	112	22.4
SAE (A)	5	112	22.4
9. ATO (B)	6	141	23.5
10. LCA (A)	5	118	23.6

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# What's Happening?

**Tuesday, February 28**

Women's Basketball vs Babson, home, 7 p.m.

Physics Colloquium "Radioactive collisions of nucleons and the nuclear force", Dr. George Bohannon, MIT, Olin 107, 4:15 p.m. (coffee at 4)

**Wednesday, March 1**

JV Basketball vs Babson, away, 6 p.m.

Basketball vs Babson, away, 8 p.m.

Hockey vs Stonehill, away, 9 p.m.

**Friday, March 3**

Worcester Consortium Chorale performs the "Schubert Mass in E Flat", Mechanics Hall (Admission \$2.00) Tickets available at Steinerts or at the door.

Winter Weekend concert with Sandford Townsend and Zonkaraz, 8 p.m.

**Saturday, March 4**

IFC Nightclub with comedy by "The Graduates" and disco by "Sapphire", 9 p.m. (\$2.50 for IFC members, \$3.00 for non-members)

**Monday, March 6**

Prof. Dennis Meadows, Thayer School of Engineering, Dartmouth College, "Limits to energy growth or everything you'll need to know about bicycle maintenance for the 1980's" Gordon Library Seminar Room, 4 p.m.

Questions answered about Thayer Graduate School of Engineering, 5 p.m.



—Mark B. Hecker

# UPI Newspeak

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Tuesday, February 28, 1978