

WPI to host music convention

The Intercollegiate Musical Council (IMC) will present two concerts featuring some of the world's finest choral singing. The choruses of Amherst, Union, Worcester Polytechnic Institute, and Regis College will be featured Friday evening, April 18th in Trinity Lutheran Church, Lancaster Street, Worcester. Saturday evening's concert, April 19th will feature performances by Fairfield, Cornell, and Harvard Universities and the University Glee Club of New York in Worcester's historic Mechanics Hall. The concerts begin at 8:00 p.m. Some

of the featured works will include J. S. Bach's Kantate No. 21, with orchestra, the Inveni David of Anton Bruchner, and other assorted works of Gustav Holst, Fenno Heath, Paul Hindemith, Palestrina, Villa-Lobos, Jacob Handl, and many others. Concert soloists for Friday night include soprano Paulette LaBarre, contralto Jeanne Burwick, tenor John Palmer, and bass Thomas Edwards.

The concerts are a part of the IMC's 27th annual convention being hosted by Worcester Polytechnic Institute. This will be your only opportunity to

hear these exceptional choruses in performance together. In addition to the concerts, two days of seminars will be held during the convention, covering a broad range of topics related to choral singing.

The choruses performing during the convention have a long history of outstanding concert traditions. All have toured extensively throughout the world and have sung on every continent but Antarctica. The repertoire of each chorus is unique and covers the full spectrum of male choral music from the early Renaissance through

the Baroque, Classic, and Romantic eras, up to and including some of the most contemporary compositions. In addition to a unique repertoire, each chorus exhibits an individualized style of singing and interpretation clearly dependent upon its own collegiate traditions.

The Intercollegiate Musical Council is a national organization of male choruses consisting of undergraduate students and directors from the country's leading collegiate institutions. It is an organization of the highest

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Newspeak

The student newspaper of Worcester Polytechnic Institute

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Spring
sports
warm-up

-see pages 8-9-

Brandon resigns as Director of Admissions

by Doug Fraher
News editor

John Brandon, Director of Admissions, submitted his letter of resignation on February 29. He stated that he was leaving mainly because after ten years in admissions and financial aid he wanted to find new challenges.

Brandon said that he found the administration and faculty at WPI to be extremely dedicated and involved. He has found a greater sense of community here than at any other institution he has been involved with. However, one of his greatest disappointments was the failure of efforts to align Admissions with the faculty rather than with the Office of Student Affairs. According to Brandon, this shift would emphasize "what admissions is really about — bringing students here that the faculty wants to teach. The Committee on Academic Policy presented a survey to President Cranch of fifteen major competing colleges. Only one or two had things set up the way we do here — the rest had admissions under an academic provost." Commenting on the rejection by Cranch of the shift, Brandon said "his reasons for being so set on the present structural alignment remain inexplicable to me." Brandon re-emphasized that this is not his reason

for leaving WPI. But, he said "this might have crystallized my decision — I might be leaving a year or two earlier than otherwise."

Questioned as to what effects this change would have, Brandon replied that there are "philosophical, operational, and identity considerations involved. There is meaning on several different levels ... we're much more directly related to academic concerns than the Students Affairs parking report or such. We need to have a continued sense of what's happening in the classroom, feedback to know what to look for from our ap-

plicants ... I don't need to spend three hours every Wednesday with Student Affairs. It would be much better spent with an academic provost or faculty members. If the change was made communication would be much more effective."

Brandon is confident about the continued ability of WPI to attract able students. Six years ago only approximately 1100 applications were received yearly. That has now risen to over 2400. However, one issue that he believes his successor will have to face is the need for balance among departments. Brandon would like to

see more students majoring in chemistry, mathematics, the life sciences, and some of the other smaller departments on campus. Some action is being taken; both the life science and management departments have developed brochures for prospective students about their areas. But much more has to be done by both admissions and faculty.

John Brandon is proud of the tremendous spirit and competency of his staff. Because of the more personal approach of WPI's admissions process, greater demands are placed

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'His [Cranch] reasons for being so set on the present structural alignment remain inexplicable to me.' -John Mar

Campus to be shuffled

by Jeff Roy
Newspeak staff

In July, the Electrical Engineering Department will take control of Alden Memorial Hall. Every square inch of the hall will house an electrical lab, shop, seminar course, or even an office.

In the same process, all other departments and organizations previously housed there will be forced to leave. This series of moves will be made so that the renovations of Atwater Kent may be completed.

"We are going to start moving things in on the 15th of July, and will work on the renovations which are scheduled to take a year," commented Gardner Pierce, director of Plant Services. "It's going to be a hardship for everyone involved and we anticipate a year — that's not counting strikes or other problems that may arise."

"Right now, we are working with individuals to work details, so that some of the problems can be worked out during the year." Pierce was speaking of the various groups who will now be seeking a new location — now that Alden will house only the electrical engineering department.

One group that makes extensive use

of the facility is, of course, the various drama guilds and classes. Professor Caroline Dodge feels that the move out of Alden may even be beneficial to her department.

"We appreciate the need to get out of Alden," she explained. "My goal is to find another space on campus, so that when Alden is clear, we don't have to go back."

Prof. Dodge's feelings tie in closely with the philosophy of WPI. "The philosophy of Two Towers must come into reality. It is a crucial time for WPI in that the college needs a theater space."

"If the college is going to maintain the philosophy it espouses, then it should look into this area."

The Lens and Lights Club will also be on its way out of Alden come July. Mat Metzger, president of the club, was not overly pleased at the fact that his club would have to find a new place to meet and store equipment.

"I think it (the move out of Alden) sucks," he said. "We didn't find out about the move until they told us to leave. We heard rumors about the move, but they (Plant Services) never

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Harrington leaks (again)

by Jeff Roy
Newspeak staff

There is a television commercial for salt that claims, "When it rains, it pours." People who have been around WPI long enough would say the same about the roof of Harrington Auditorium.

Since the building was built back in 1968, there has been a problem with the leaky roof, but has not been fixed as of yet because there is a problem with legal technicalities as to who is responsible, and who will foot the bill.

WPI is not in the list of people responsible because the building is still under warranty with Celotex Company, with whom WPI holds the bond for the roof. Another company involved in the suit is Sarnofil Company, the people who make the membrane that the school will use to repair the roof.

Thirdly, there is New England Roofing, a local company that will be making the repairs.

Director of Plant Services, Gardner Pierce put it best, "It's all a can of worms right now, but we're working on it. I've had promises for the past 12 years to get it repaired and right now we're conducting our own in-

vestigation to see who is responsible.

"We're looking at it from a technical stand point to see why we have had the problems, and a legal stand point to see who will pay for the damages."

At the present time, New England Roofing holds the WPI insurance policy for damages, and a \$7,000 claim has been sent in. Pierce said that more damages are being submitted as they occur. Of the damages that WPI has to contend with, a major one is water damage to the floor, but Pierce says that WPI will get complete restitution for all damages related to the leaky covering.

The bond still in effect, Pierce said that his latest promise to get the roof repaired was that the repairs would be made in the first week of May.

"We're deeply concerned with when the work will be done and with contracts we have with the social committee and other uses of the hall," continued Pierce.

Celotex, Sarnofil, ...New England Roofing. Sounds crazy, but someday one of the companies will be applying a new surface to protect the inside of Harrington.....but then again, they've drawn it out for 12 years.

EDITORIAL

A faculty comp

A well-respected, small, New England engineering college has instituted a unique educational "Plan." You have been hired as a consultant. The student newspaper of this college printed the following editorial:

There is a word in the language of WPI which has the nasty habit of conjuring up thoughts that are excruciatingly painful. It is at times analogous to the Spanish Inquisition; and has in many instances been feared more than the dreaded Chinese water torture. The word or more correctly event, is that terror-of-terrors, the Competency. The Plan necessitates the completion of four separate requirements, each of which are equally weighted in the eyes of the degree conferring fairy, yet the Comp is the single element that consistently aggravates the worry cells.

When first instituted, the Plan's chief motive was to center on project work, thus making one's education more practical than mere book learning. However, somehow throughout the course of the past ten years, the main focus has shifted from the importance of the entire concept of the Plan to that of one quarter of the whole revolutionary education offered by the Plan. Both administration and faculty have become preoccupied with the Comp. Courses are being structured around taking one's Comp; one in particular is being offered this term, not as an instructive course as described by the operational catalogue, but as a seminar in which students will present a case history of a company, thus allowing him/her to "practice for the Comp." Professors are frequently heard to comment such statements as "you'll need to know this for your Comp," or "the majority of people flunk their Comp because they forgot this basic formula." Is WPI becoming an institution where one is to spend four years preparing for an exam to cover three days instead of preparing for a lifetime? One further point in this whole Comp business is the fact that after flunking the Comp, a student may return seven weeks later and be deemed competent. It seems ironic that an incompetent may suddenly flower into an engineering wizard in seven short weeks.

Your job is to either justify the current practice or make suggestions to correct the situation. You must submit a written report to the student newspaper by noon on Saturday.

The Editors

FAO paperwork inane

"At WPI we prepare our students to recognize and solve problems, to deal with the consequences of their actions." (WPI Journal, p. 1)

That was one of the premier ideals that many students encountered when exploring WPI. It is indeed a great philosophy and one that has become a part of student life since the adoption of the Plan.

However, in the continuing saga of students vs. forms vs. administrative

in forms was concerned, but simply turning them in directly to the FAO was too easy. No, the excuse was, "it has to be turned in at the Student Affairs Conference Room so that they (the representatives) can go over it with you." The process of notarizing the forms was dumped at the beginning of the "counseling services."

It might be added that these services were intended for the convenience of students, but instead turned into another quandary for students during the final week of a term.

There is a definite problem with lines for administrative handling (paperwork) at WPI. The question is: why do they have to exist in such a small student population? WPI has only 2400 students, and with the lines that are present to perform simple tasks, you'd think you were waiting for a matinee for "STAR WARS."

It is time that such a poor handling of the paperwork be eliminated, and this type of problem be resolved. As has been said in the past, we must eliminate this redundancy. It is this type of redundancy that causes deficiency in the Plan.

It seems inane and inconsistent that such an innovative school cannot come up with a solution to such a simple, but largely annoying problem.

Jeff Roy

STAFFITORIAL

handling of said forms, that philosophy came to mind. Last week, as we well know, was the final week (of a two week period) for turning in the WPI Financial Aid Forms. The results were congruous with the pointless manner in which B-term course changes were handled.

At one of the worst points (the final week of C-term), many students were forced to wait in lines for over two hours, just to have someone say that his/her budget was over the average student's budget. Over two hours for a 49 second encounter with a representative of the Financial Aid Office.

There were many alternatives that could have been taken as far as turning

Liberal arts WPI in energy cooperative

Editor's note: The following was sent to Newspeak as a press release by the apparently misinformed President of Bowdoin College.

BRUNSWICK, Me. — The President of Bowdoin College announced today that 19 other liberal arts institutions in the Northeast are joining Bowdoin in a common effort to lower dramatically escalating fuel costs through "bold and adventuresome thinking."

Dr. Willard F. Enteman, who advanced the plan in letters to his fellow Presidents at the 19 other colleges, said he has received positive replies from all of them.

The other institutions are Amherst, Bates, Clarkson, Colby, Connecticut College, Hamilton, Middlebury, Mount Holyoke, Norwich, St. Lawrence, Smith, Trinity, Union, Vassar, Wellesley, Wesleyan, Wheaton, Williams and Worcester Polytechnic Institute.

Federal tax structure makes poor millionaires

By Dwight R. Lee

Dr. Lee is Professor of Economics at Virginia Polytechnic and State University

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We are on our way to becoming a land of millionaires. If you do not achieve this once exalted status, almost surely your children and grandchildren will.

If, for example, you currently earn \$20,000 a year and inflation continues at 14 percent per year (as this is being written the inflation rate is exceeding 14 percent in many parts of the country), you will be earning \$1,280,000 a year in 30 years, if you keep up with inflation. If your net worth is \$75,000 and it keeps up with inflation you will have a net worth of \$1,200,000 in just 20 years. Unfortunately, in 25 years a \$1 burger will cost \$32, a \$10 shirt will cost \$320, a \$25 pair of shoes will set you back \$800, a \$5,000 car will require \$160,000 and a \$75,000 house will be selling for \$2,400,000.

So there will be little advantage in being a millionaire. But if your income keeps up with rising prices, something that seems to be increasingly harder to do, should not you at least be staying even? The answer is no. Inflation is going to do more than just make you a millionaire, it is going to make you a poor millionaire.

Under the existing tax system as your inflationary income increases you

will be forced into higher income tax brackets. Your income may keep up with inflation but you will be able to buy less than before because a larger share of your income will be going to the government.

For instance, in 1977 the typical family of four made \$15,000 and paid 9 percent of this income to the federal government in income tax. If the inflation rate averages just 7 percent a year, and this family's income increases at the same rate, by 1987 the federal income tax will claim 18 percent of their income. Even though their before tax income will have stayed even with inflation, in terms of what this family can buy with its after tax income they will be approximately 9 percent worse off. And this does not consider the inflationary impact of state, local and social security taxes on their spendable income.

This is not all. Because of inflation you are also losing on your savings account. By federal law banks and savings and loan associations are not permitted to pay much over 5 percent on pass book accounts. So if you have \$1000 in a savings account earning 5 3/4 percent, after one year your savings, including interest, will be worth less than the \$1000 is now. In one year you will have \$1057.50 in your savings account, (ignoring daily compounding of interest) but if inflation is 10 percent it will take \$1100 in a year to buy what \$1000 will buy today.

To the injury of inflation government
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Newspeak

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1996 is an election year

by Tom Nicolosi
Associate editor

I must admit that I don't really enthusiastically support any candidate for president at this time. Now, that is not a very startling admission. I would think that with the choice of candidates that the American public has been presented with I am not alone in my misgivings about casting my vote for the man who will be the next leader of this country.

One thing is quite certain and that is in the short few months between now and the November election the electorate will have to make some hard decisions that will most certainly af-

This does not sound good to me. But these are the alternatives that we have to choose from. I remember this happening before. That was when Nixon and McGovern were running against each other. We voted for Nixon. Now, not many people think that McGovern would have been any worse. The only thing that I hope is that in a few years we are not saying the same thing after looking back at more years of turmoil and lax leadership.

The decade of the eighties looks like it will present some of the most challenging problems that man has ever faced and we need good leadership to help bring us through. At this time the nation seems to be lacking in



"There are four of us. The rest is none of your business." BOB OLLIVER

bull shots

fect the quality of their lives. What we as voters seem to be faced with is a choice among extremes. If we should decide to stay with the status quo we are condemning ourselves to what seems like endless inflation, continued joblessness, dependence on foreign oil as a source of energy and the continued blundering of important foreign policy decisions. On the other hand, we could elect a liberal candidate. This would most surely mean continued federal spending in social programs, a tighter defense budget and still no (at least not that I have heard of yet) clear cut energy policy. So if we decide not to stick with the incumbent...sorry, incumbent, then we are left with the right wingers (those bastions of corporate freedom that they are). If we voted for one of these candidates then we would get increased defense spending, cuts in important social programs, a peace time draft and still no well defined energy policy other than one that advocates the continued proliferation of nuclear energy.

this department and it is questionable to me whether things will be much different after the election.

What I've said so far may seem a little cynical, but I'm an optimist — really, I am. I just haven't put my trust in any of the politicians that are running for president this time around. I don't think that this is too unreasonable. One can't put his trust in just anyone. You may disagree. You may say that a choice has to be made, but I'm waiting. I'll probably vote for someone in November — that's a civic duty — but I'm waiting for my turn. That's right, my turn — or at least my generation's turn.

According to the Constitution of the United States one must be at least thirty-five years of age before he or she can be elected president. This means that by the election year of 1996 most people going to school here as undergrads will be eligible for election to the highest office in the country. Right now we can vote, and that is important, but it won't be until fifteen more years for the majority of us that we can really

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Surviving the crowd

He hadn't come to the Pub with the intention of making any new acquaintances, but his eye met hers and he was left with no choice in the matter. The night was young, so he had plenty of time to plan his strategy.

Crowded bars and clubs tend to be among the worst places to meet people. They are usually uncomfortably packed, too hot, and too noisy. Most of the people have had too much to drink and everyone is headed in

FRUIT FLIES

a different direction. Crowds are also very impersonal. They don't care who they bump or who they spill their drinks on. Despite this, now and then something good happens in a crowd.

Their eyes met several more times. It would be foolish for him to not make something of it. It was happening now, and then may never come. They weren't staring at each other, but rather their encounter was well timed, so that each knew when to look. Both of them were careful not to smile. That would have been a little too pushy.

The most important skill required to survive in a crowd is eye contact. This skill can be carried to such fine extremes that it becomes an art. It involves split second timing, correct eyeball movement, and perfect frequency. It must also be framed with an appropriate facial expression. When two sets of eyes meet in a crowd they must be careful not to give the impression that they have been staring, though a split second encounter may seem like hours, which would constitute staring.

Only twenty feet separated them, but he knew this was too far. With n (continued to page 6)

Future will pay true cost of nuclear power

by Bill Penny
Assistant Professor
Biomedical Engineering

I'm opposed to nuclear power.

I have been involved with the anti-nuclear movement for the last 2 years. Before getting involved, I had nagging doubts about how nuclear wastes were going to be disposed of. While that continues to be a major concern, I find that there are many other reasons to oppose nuclear power. Consider the following:

1) ACCIDENTS: A single accident could kill 45,000 people, cause 100,000 cases of radiation sickness, produce 285,000 latent cancers and tumors, and

the true cost 28 percent higher than that claimed.

4) ECONOMIC BALANCE: Two thirds the cost of a nuclear plant's operation are capital costs, compared to one third for a coal fired plant. Capital costs are financed through investors. Thus, nuclear power channels more money from rate payers to investors. The rich get richer and the poor get poorer quicker with nuclear power.

5) HEALTH EFFECTS: There are many steps to the nuclear fuel chain. The way things have been run, both workers and the public have been exposed to significant levels of radiation. Increased cancer and birth defects have been observed among workers in

adequately contained, they pose a threat to this and a thousand future generations. The Department of Energy's 1979 report, the "Interagency Review Group on Nuclear Waste Management," found that 5615 waste disposal studies have been done and no satisfactory method has been found.

This disposal problem is causing nuclear power plants to be more dangerous. Spent fuel rods are being packed into storage pools twice as close as originally designed (Permission to do so was granted before a safety study was completed). These pools are not within the containment structure, hence an accident could easily release large amounts of radioisotopes into the atmosphere.

The U.S. Department of Energy insists on pursuing an unworkable waste disposal plan. Their plan is to form a glassy solid from the waste and bury it in salt deposits. This plan ignores several facts: 1) traces of water in the salt will migrate to the glassy waste because it is hot, 2) under the temperature, pressure, and humidity it would be subjected to, the glass breaks down in about 2 years and allows the waste to leach out, and 3) the salt would gradually deform, allowing the heavy glassy waste to settle to the bottom where it could contact underground water. The Swedish government has developed a plan with many more safeguards. It consists of: 1) making a more stable artificial rock with the wastes, 2) encasing that in titanium and then copper, 3) storing these above ground for 10 years then placing them in a pit in dry granite, 4) surrounding them with bentonite, a substance which both absorbs water and acts as an ion exchange resin (it would absorb 99.99 percent of all the transuranic elements that would leach out if all other safeguards failed), and 4) capping the pit to shed any surface water.

If you look closely at the waste disposal calculations, an interesting fact emerges; plutonium is assumed to

have been removed. This certainly puts less stringent requirements on the durability of any waste disposal method since plutonium has such a long half life (after 250,000 years 0.1 percent remains). Are we to conclude that nuclear warheads are the ultimate waste disposal site for plutonium?

It is paramount that plutonium be isolated from the environment because of its extreme toxicity. Animal studies indicate that an 18 microgram dose given intravenously to a 70 kg human could give him a 25 percent chance of getting bone cancer. If one inhales plutonium oxide, beagle studies indicate that about 8.2 micrograms would, on the average produce 1 lung cancer or pulmonary fibrosis. How could plutonium get into the blood stream or the lungs?

If plutonium is in your food or water, some of it will be absorbed in your intestines. Spokesmen for the nuclear industry are quick to point out that only 0.001 percent of such plutonium is absorbed. Well, that's true unless it combines with other chemicals such as the chlorine found in drinking water. Then 1.5 percent will be absorbed and retained. Well, how much Pu could you get by drinking water contaminated from a waste disposal site? Suppose that the 72 operating plants, the 92 plants with construction permits, and the 29 plants on order each operate for 30 years producing an average of 250 kg of Pu per year (These are realistic figures. I sincerely hope that the original projections of 1090 reactors by the year 2000 don't occur. If they do, all the health effects will be greater in number). The 1.4 million kg produced could slowly disperse into underground water reservoirs if the D.O.E. persists with its glassy-solids-in-salt disposal plans. The total volume of underground water in the U.S. is estimated to be 250,000 km. If all the Pu mixed with this water, the concentration would be 0.006 micrograms per liter. If you drank 1 liter per day for 30 years, you would absorb 0.9 (continued to page 15)

FACULTY PEN

cause \$17 Billion (1964 dollars) in property damage. The Rasmussen report, which claimed that the probability of such an accident was negligible, has been dropped by the Nuclear Regulatory Commission. A review by the Union of Concerned Scientists estimates that the probability of an accident which would kill 10,000 people is about 0.7 percent per year with 100 reactors operating.

2) JOBS: Nuclear power production is extremely capital intensive. Money invested in retro-fitting homes with insulation and solar space and hot water heating would provide 4 times as many jobs as that same money invested in nuclear power. The retrofitting would save more power than the nuclear would produce.

3) COST: Nuclear is the most expensive method of generating electricity. The utilities' ledger sheets don't show the hidden costs of the \$50 Billion in research and development your taxes paid for, the estimated cost of waste disposal which you will pay for, the liability for accidents assumed by each private citizen, and (in most cases) the cost of plant decommissioning. These factors have been estimated to make

the nuclear industry and the general public near uranium extraction mills, respectively.

6) WEAPONS: Plutonium is not difficult to extract from spent fuel rods. A 500MW power plant produces about 250 kg of Pu-239 per year, compared to the 22 kg required to make a Nagasaki type bomb. By exporting nuclear power plants, the U.S. is increasing the chances of nuclear war. The U.S. has enough nuclear weapons to kill 40-50 percent of Russia's population and destroy 60-70 percent of its industry if only 3 percent of our missiles get through, yet we continue to make 3 warheads per day and delivery systems more accurate than needed for deterrence.

7) WASTE: The radioactive wastes produced both in the reactor and in fuel preparation pose a long lasting threat to all life forms. It is immoral for us to reap the meager benefits of nuclear power and leave hazardous wastes and genetic damage for unborn generations who have no say in the matter.

The question of what to do with the radioactive wastes seems particularly important. If the wastes are not

Social life, narrowness cited for large attrition

by Jeff Roy
Newspeak staff

WPI has long been known as one of the top engineering schools. Its reputation in engineering has attracted students from all over the world to study here.

The WPI Plan, on the other hand, an innovative and attractive educational approach to potential employers of WPI graduates, boasts engineering related to society. Often times (at least in the past few years), however, the society bit is considered an obstacle in the engineering education.

The Plan falls under the guidance of the philosophy of Two Towers (humanities and technology). With both areas being covered by the school, people such as Dean Grogan believe the school can adequately prepare a student in both areas (not

just engineering), and has done so in the past.

However, a question that consistently pops up related to this issue is: Why do students leave WPI?

The school has an attrition rate of approximately 30 percent, meaning that 66-70 percent of the students here graduate in four years, while 70-75 percent graduate in five. The others either take more time, graduate from another school, or drop out of the academic environment all together.

To find out why students leave was the pursuit of a C-term Social Psychology class taught by Professor Leonard Goodwin of the Social Science and Policy Studies department.

Prof. Goodwin laid out the course objectives to his students at the start of the term. In doing so, he got the student's opinions as to why students leave. Their thoughts were not off

target.

The most common ideas included: the social life is not that good at WPI, students may change their idea of engineering and find a lack of university breadth here, grading at WPI is not compatible with other schools, and other ideas along that line.

At the conclusion of the survey, the results showed that there was not so much a dependence on social life in determining an intent to leave, but rather that there was a narrowness to the education at WPI.

According to this pilot study, students felt that they could not pursue areas other than engineering at WPI, and that the school was too technically oriented.

The results were based on a students' intention to leave WPI as acquired from a 60 question survey distributed to a sampling of 150 WPI

students. The survey included all student groups with the exception of commuters and foreign students for reasons of time available to complete the study.

When first presented with the results, Dean Grogan was surprised that the school would be considered narrow.

"This was a super conflict in the late 60's and early 70's when we were starting with the Plan," commented the Dean of Undergraduate Students. "First of all, the Plan opened up to provide a greater depth of humanities, and more courses were added. This greatly broadened and straightened WPI's approach to this conflict."

"The IQP is intended to broaden horizons in social dimensions, and for people who want to be engineers, this program opens more thought. The potential to use them is built into the

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...Campus shuffled for renovations

(continued from page 1)
asked us for suggestions."

Pierce's job at this point is to find new spaces for these groups until the renovations are completed. He knows there will be problems as the project gets underway, but for now he is happy with the cooperation that has been displayed.

"I'm not saying that we don't have tough nuts to crack, but I'm seeing what we can do to get by," added Pierce. "We've gone through this with Salisbury, Stoddard was not finished in 1970 and we bunked the men in Alumni Gym, and the kitchen had a thirty day plumbing strike during its renovations, and we fed Harrington downstairs for a term."

"It's too early to tell if this (Alden) is the worst — I'll tell you a year from now — but it is a major operation. To conduct an education in this type of setting for a year is a major under-faking."

In the past, Atwater Kent has had very good usage — electrical engineering being a popular major. It was last remodeled in 1959, and the current project will upgrade the laboratories and classrooms for electrical engineering and provide for the first permanent spaces for the department of Computer Science.

For Prof. Dodge's drama organizations, the move will be to the attic of Washburn Hall. Presently, the Computer Science Department oc-

cupies half of the floor space on this level, and the other half will be made available for the drama scene shops.

"The top of Washburn is a super-space because it does have vaulted ceilings, which are needed for the scene shops," continued Prof. Dodge. "But we are still looking for a place to renovate for a permanent theater space rather than to build up for temporary storage."

"Students have expressed more interest in the stage and need the humanities as a place to do this type of

Pierce explained, "We may eliminate things after identifying the resources of WPI people. We will determine if we can have outside use. We want to meet the requirements of the WPI education without too much difficulty. Some things are nice to have and we can do without others."

The Lens and Lights Club, represented by Metzger, has met with Pierce and discussed the possibility of moving into Harrington or near the Pub also.

"We're acting civil about the whole

approach, saying that if problems come up, we will work them out — we have in the past.

"The architect working on the project has worked with other colleges and is most surprised with the cooperation displayed here. It speaks well of the closeness and attitude that we all display," Pierce continued.

"In the long run, WPI will benefit. People realize the benefits from renovations and they know that it will pay off in the long run."

'The architect working on the project has worked with other colleges and is most surprised with the cooperation displayed here. It speaks well of the closeness and attitude that we all display.'

thing. It's time we found a space for a permanent set-up. We want to continue to grow and stop being the proverbial nomads."

The various social events take place in Alden will also have to take place on other parts of the campus. Pierce expects to use buildings such as Harrington Auditorium to house movies and other related events.

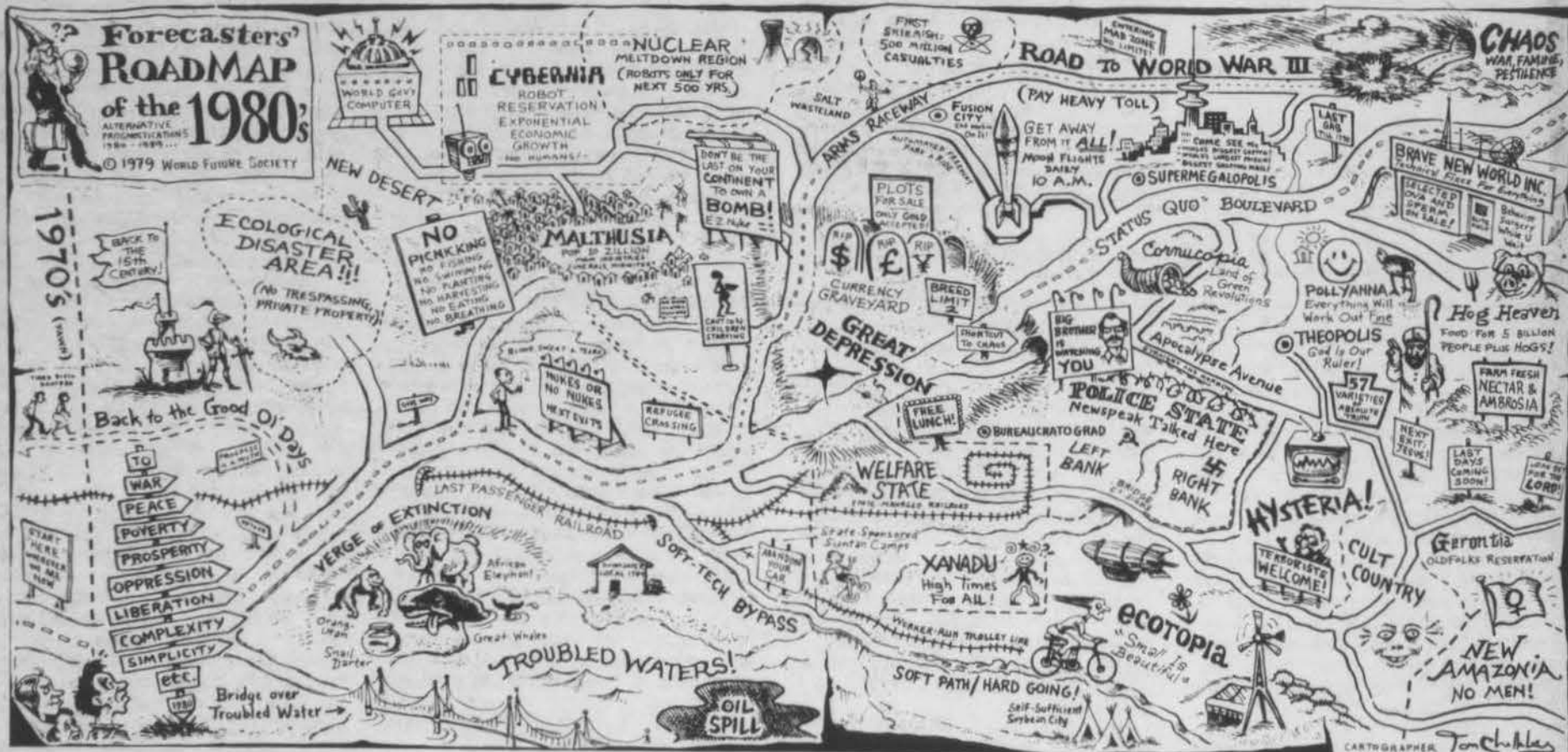
He stressed the fact that this type of use of Harrington will have to be closely coordinated with the athletic events. As far as outside use of the buildings is concerned, the school would have priority, and outside use would be eliminated first.

thing and I believe we'll reach an understanding about where we will go," added Metzger. "We are out of Alden — that's definite — but we are trying to move into Harrington or near the Pub. All our work for next year will be done in these areas. We could even stay there after this thing is resolved, but it won't be mandatory for our work."

According to Pierce, the attitude and spirit demonstrated by the people involved has been excellent. The matter has not turned into one of complaints, but rather a matter of how things can be worked out. He takes the optimistic

Prof. Dodge concluded, "We all have to be inconvenienced; we all have to pull together and work to benefit everyone."

Other renovations that have taken place in the past ten years include the Ellsworth-Fuller-Wedge Project which was completed earlier than expected. When Salisbury was being renovated, its offices were situated all over the campus, including some of the Physics labs in Olin Hall. Olin doubled as a place for the administration offices when Boynton Hall was remodeled. In past projects, as one can see, there have been pluses and minuses.



MAP OF THE 1980'S: The World Future Society, a Washington-based association of people interested in what may happen during the years ahead, recently published this "Roadmap of the 1980's." Society president Edward Cornish explains: "The map is humorous but makes an important point. The decade we have just entered contains enormous possibilities and we face a great many important decisions that will determine whether we have a good or bad future." The Society's members will gather in Toronto, Canada, in July for what is billed as "The First

Global Conference on the Future." The week-long meeting is expected to bring together more than 4,000 scholars, scientists, government officials, and others from nations around the world. The World Future Society, which is nonpartisan as well as non-profit, does not take positions on what the future will be like but acts as a neutral clearinghouse and forum for forecasts and ideas about the future. (For information, write: World Future Society, 4916 St. Elmo Avenue, Washington, D.C. 20014.)

SAE Rallye registration begins this week

Get psyched, it's time again for the SAE Car Rallye. This year's Rallye will be held on Saturday, April 26 and it should be both enjoyable and challenging. The Rallye again will be run by rallyists experienced in both organization and actual competition. Not only will you be able to an excellent rallye route, but there will be refreshments at the finish line (hot dogs, sauerkraut, and beer), a great party that night and prizes for the winners. Proceeds from the rallye activities will be donated to Friendly House of Worcester. Friendly House is a Worcester charity organization which serves the Worcester area by providing an assortment of educational and recreational programs for Worcester children.

This year, the rallye will once again be a novice class rallye (no previous rallye experience is necessary, anyone with a driver's license and a car is a potential rallyist). The rallye is a time, distance rallye; you will be given a set of coded instructions or clues to help you through the route. The route is approximately seventy miles long and should take between three and four hours to complete. It will be divided into various sections (legs) with check-

points between the legs to record your times. If you go the proper route at the speed specified by the instructions, your time will be close to the exact time computed by us for that leg. The closer you get to the exact time, the better your score will be. So get your calculator charged up.

Don't forget if you cannot make the rallye, the finish line will be fun all afternoon and the party will be one to remember.

To enter: just fill out the entry form in this week's *Newspeak* and send it with the five dollar entry fee, to WPI, Box 8, or drop it off at the rallye booth, which will be set up in the Wedge, the week of April 21-25. Entry blanks can also be obtained at the booth. The deadline for entries will be 4:00 p.m. April 25. The number of entries will be limited, so enter early.

The rallye will start Saturday morning, April 26, on the Quadrangle. You will be notified of your exact starting time by Friday night. (If you are not notified by Friday night, show up in the Wedge at 8:30, Saturday morning.) If you have any questions, call Ed Johnson or Scott Wade at 757-9689, or Scott Bishop or Ted Macutkiewicz at 757-1767.



PRE-REGISTRATION FORM

ENTRANT _____
 CAR _____
 PREFERRED STARTING TIME (9-11 a.m.) _____
 FRATERNITY OR GROUP _____
 PHONE _____ ADDRESS _____

1980 SAE Car Rallye

Housing lottery forms and fee due April 16

The Housing Lottery will take place on Monday, April 21 in the Wedge. All students planning on participating in the lottery can pick up the lottery card and lottery guidelines either from their Resident Advisor or in the Office of Student Affairs beginning Tuesday, April 8.

Students entering the lottery must pick up a card and guidelines, fill out the card, pay a \$10 lottery entrance fee at the Accounting Office (which will be credited to their bill) and turn in the card to the Office of Student Affairs by 5:00 p.m., April 16. A detailed explanation of how to fill out the card and procedures to follow will be provided when students receive the cards.

The following dates apply to the Lottery:

- April 8-16 - Pick up Lottery Card from OSA or Resident Advisor.
- April 16 - Turn in lottery card at OSA, after paying \$10. lottery fee and having card stamped at the Accounting Office.
- April 21 - 6:00 p.m. - E/F lottery & Apartment Selection in the Wedge.
- April 21 - 7:00 p.m. - Women's Lottery in the Wedge.
- April 21 - 7:00 p.m. - Men's Lottery in the Wedge.
- April 23 - 6:00 p.m. - Women's Room Selection in the Wedge.
- April 23 - 6:30 p.m. - Men's Room Selection in the Wedge.
- May 6 - 1-5:00 p.m. - Ticket Window, OSA - E/F pay \$50 ACD and sign contracts.
- May 7 - 1-5:00 p.m. - Ticket Window, OSA - General Draw pay \$50 RCD and sign contracts.

INSTRUCTIONS

ALL LOTTERY ENTRANTS MUST TAKE THE ATTACHED CARD TO THE ACCOUNTING OFFICE AND PAY THEIR \$10 LOTTERY FEE ON OR BEFORE 4:00 PM, APRIL 16th. The \$10 deposit is credited to your bill for next year. ALL LOTTERY CARDS MUST BE STAMPED "PAID" BY THE ACCOUNTING OFFICE AND TURNED IN TO THE OFFICE OF STUDENT AFFAIRS BY 5:00 PM, APRIL 16th. Accounting Office hours are 9-12 and 1-4, M-F. NO CARDS WILL BE ACCEPTED AFTER 5:00 PM ON APRIL 16th.

ELLSWORTH/FULLER DRAW: All cards for apartments in E/F must be completed and stapled together. All roommates must be listed on each of the entrants cards. Should entrants lose in the E/F draw and desire to enter the general draw, you must indicate your alternative choices by using a #1 in front of your first choice and a #2 in front of your second choice, etc. You must indicate your roommate preference by circling their name on your card. If you lose in the E/F draw and request a double, triple, or quad in the general draw, your cards will be restapled together with indicated roommates for the general draw. (Please note \$50 Apartment Confirmation Deposit required per person at signing of E/F contracts on May 6th.)

GENERAL DRAW: SINGLES - Please indicate by using #1, #2, etc. in front of your single choices. Singles DO NOT request roommate preference (see Housing Guidelines).
DOUBLES TRIPLES, QUADS - All requests for Doubles, Triples, & Quads must be stapled together and indicate on each card mutual roommate(s) requests. Indicate your 1st choice as #1, 2nd as #2, etc. (Please note \$50 Room Confirmation Deposit required at signing of contracts on May 7th.)

ADDITIONAL INFORMATION IS PROVIDED IN THE HOUSING POLICY GUIDELINES. IT IS ASSUMED THAT YOU HAVE READ ALL THE INFORMATION AND ARE FULLY AWARE OF THE POLICIES AND PROCEDURES.

- April 16th All lottery cards turned into OSA by 5:00 PM.
- April 21st 6:00PM - E/F lottery & Apartment Selection, Wedge.
- 5:30PM - Women's Lottery - Wedge.
- 7:00PM - Men's Lottery - Wedge.
- April 23rd 6:00PM - Women's Room Selection - Wedge.
- 6:30PM - Men's Room Selection - Wedge.
- May 6th 1-5:00PM - Ticket Window, OSA - E/F pay \$50 ACD and sign contracts.
- May 7th 1-5:00PM - Ticket Window, OSA - General Draw pay \$50 RCD and sign contracts.

WPI HOUSING LOTTERY APPLICATION 1980-81

NAME _____
 SUMMER ADDRESS _____
 S.S.# _____ P.O. BOX _____ H OR F _____

ELLSWORTH/FULLER DRAW:
 _____ 7-person (@ \$ 950.) _____ 4-person (@\$1115.)
 _____ 6-person (@ 1050.) _____ 3-person (@ 1135.)
 _____ 5-person (@ 1015.) _____ 2-person (@ 1200.)

Apartment preference #, if any _____
 E/F entrants fill out general draw only if you wish to enter general draw (see attached guidelines).

GENERAL DRAW: Indicate choice by using #1 in front of your first choice and #2 or #3 in front of 2nd and 3rd choices, if you have any. All doubles, triples & quads must indicate some choices.

STODDARD:
 _____ Single (@\$1135.) _____ Building Preference
 _____ Double (@ \$ 930.) _____

RILEY:
 _____ Single (@\$1135.) _____ Women's Floor
 _____ Double (@ \$ 930.) _____ Coed Floor
 _____ Triple (@ \$ 930.) _____
 _____ Quad (@ \$ 930.) _____

DANIELS:
 _____ Double (@ \$ 930.) _____ Male Floor
 _____ Coed Floor

MORGAN:
 _____ Single (@\$1135.) _____ LIST ROOMMATES FOR ALL HOUSING CHOICES (if you have requested a single, no roommate choices need appear):
 _____ Double (@ \$ 930.) _____

28 TROWBRIDGE: (female)
 _____ Double (@ \$ 930.) _____

25 TROWBRIDGE:
 _____ Double (@ \$ 930.) _____

16 ELBRIDGE: (male)
 _____ Double (@ \$ 930.) _____

E/F entrants indicate by * apartment spokesperson

3/80 (Signature)

...The crowd

(continued from page 3)

an hour or so he could cross this distance, but he had to begin now, being careful not to be too obvious.

A second skill required for success in a crowd is in knowing how, when, and where to move through it. You can follow someone else, but this will not bring you to where you want to go. This also removes too much of the challenge. If you want to be rude, as many of us seem to be, you can use your entire body to bully your way through the crowd, but this will guarantee several threats to your life. The best tool to use in getting through a crowd is fear. Just lift your drink above the person in front of you and they will clear a path for you.

The crowd moved too easily for him. She was only a few feet away and he wasn't ready to say anything. Besides, the band wasn't playing the right song for them. He would wait for another song.

No matter how good or bad a band is, it can do good things to a crowd. For one, it provides them with a good reason for not talking too much, a fault many of us have. It also sets the mood of the crowd, which would be very depressing without the upbeat sound of the band. On the other hand, a band can cause heartbreaking delays.

The next song was perfect for them. The time and distance were perfect. He was ready. She was ready. Their eyes met again. The crowd shifted and she was gone.

WHAT

IS AN Erlanger?

Find

out

on

April 19.

CAMPUS CAPSULES

Underwater Monopoly

The WPI Scuba Club will hold its annual underwater monopoly marathon for the American Heart Association on April 11-12. There will be a total of 100 man-hours underwater. Anyone who is interested in the Scuba Club, diving, or just watching underwater monopoly is welcome. There will be a display of various aspects of diving and equipment.

Circle K begins

The world's largest service organization, Circle K International, will soon boast a new club here at WPI. This club will be sponsored by the Worcester Kiwanis Club, a service club composed of concerned local businessmen. The Circle K Club's main function is to provide a service to not only the school, but also the Worcester Community, aiding various institutions for the handicapped, blind, and elderly.

The WPI Circle K Club, to be chartered in April, is part of the New England District of Circle K Clubs, consisting of over 15 clubs with over 435 members. The district is ruled by a governor and his Board of Directors. New England is one of 30 districts in Circle K International, which boasts some 700 clubs with over 12,000 members located in five countries, the United States, Canada, Mexico, South America, and the Caribbean.

The Charter Circle K Officers for WPI are: President - Nelson Newhouse, '83; Vice-President - Matt Goldman, '83; Secretary - Bruce Black, '83; and Treasurer - Stu Joseph, '82.

Circle K welcomes interested students and past Key Club members to inquire into Circle K. It could be a very unique experience that you cannot get in a classroom.

Any questions about Circle K should be sent to either Nelson Newhouse, Box 212 or Bruce Black, Box 1118.

Poetry Reading

Robert Hass, author of *Field Guide* and *Praise*, will read from his poetry on Tuesday, April 8 at 4:00 p.m. in Kinnicutt Hall.

Mr. Hass is the winner of the Yale Younger Poets award. His appearance is sponsored by the Humanities Department in cooperation with the Worcester County Poetry Association.

A reception will follow the reading.

No Alden Activities

Due to the anticipated move of the Electrical Engineering Department to Alden Hall for the 1980-1981 school year, there will not be any student activities planned for the Alden Hall facility.

In order to avoid conflicts in other buildings, as well as planning a complete activities calendar, you should begin now to plan any/all of your club/fraternity activities that necessitate use of college facilities during the 1980-1981 academic year.

Please plan on scheduling a meeting with Dean Brown concerning any planned activities that you are considering. It is very vital that we address these concerns at this time since available space will be at a premium.

CS Comp Applications

Computer Science seniors wishing to take the competency examination after D term, must turn in a completed application by 4:00 p.m. Tuesday, April 15, 1980.

D Term comps are given by special permission only and only to those students who have completed all other degree requirements. You must submit an application signed by your advisor EACH TIME you take the exam.

If you have any questions, see Professor Scragg.

Degree Forms Due

Seniors and juniors intending to graduate May 31, 1980: all of your completion of degree requirement forms must be submitted to the registrar's office by 4:00 p.m. on Friday, May 23, 1980.

Completion of degree requirement forms for qualifying projects must be accompanied by a project report in final form. If you have doubt as to which forms have already been received in the registrar's office, report to the office as soon as possible for verification.

Transfer student candidates: 1. Verify P.E. credit with Registrar's office; 2. Verify if sufficiency completion form was submitted to registrar's office; 3. Check residency requirement with registrar's office.

It is your responsibility to see that the forms are submitted on time.

Fees due May 23

Candidates for advanced degrees, who are required to submit a thesis, kindly call at the Accounting Office before noon, Friday May 23, 1980 to complete forms regarding thesis binding fees and mailing charges. The charges are as follows:

Thesis-binding: \$7.50 for each thesis.

Ph.D. candidates only: \$25.00 University microfilms fee.

Mailing charges: Ph.D. candidates - \$3.50 packaging and mailing; M.S. candidates - \$2.50 charge for each copy of thesis which is to be mailed.

Sample title page and regulations concerning theses may be obtained from the head of your degree department.

Theses will be due, for the Master of Science degree, at the department offices by Wednesday, May 7, 1980.

Theses will be due, for the Doctor of Philosophy degree, at the department offices by Wednesday, May 7, 1980.

Each candidate should check with his/her advisor for any other deadline which he/she might wish the candidate to comply with.

ACM speech Thursday

The ACM and Computer Science Department will be presenting Mr. Robert Bradley to speak about the present status of Data Communications from an academic viewpoint (lines and networks). The presentation will be held Thursday, April 10, 1980 at 4:00 p.m. in HL109. Donuts and coffee will be served in HL101. All are invited to attend.

Elections Thursday

The following petitions have been verified:

Campus Hearing Board: Douglas Acker, Janet Anderson, Paul Dagle, Matthew Flynn, Cynthia Gagnon, Stuart Joseph, Ann Noga, Richard Rempe, Scott Sargis, Kerri Tegan.

Jr. Chairman: David Rubinstein, Chris Wraight.

Independent Representative: Jeffrey N. Roy.

Elections for these positions will be held on Thursday, April 10 in front of the ticket window of Daniel Hall from 10 a.m. to 4 p.m. There will also be a referendum question dealing with a change in the student body constitution. This change would provide for a position of Commuter Representative to be elected to the Student Government Executive Committee.

Spectrum meeting Tuesday

There will be a meeting for everyone interested in planning next year's SPECTRUM and CINEMATECH SERIES on Tuesday, April 15 in the Student Affairs Conference Room.

Civil Opportunities

Metcalfe & Eddy has openings for civils (structure, environmental, and transportation). Location: DesPlaines, IL (outside of Chicago). Send resumes to: John Loughlin, Metcalfe & Eddy, 50 Staniford St., Boston, MA 02114.

PROGRAMMER/ ANALYSTS

Flexible Hours. Part-time.

We are seeking a results-oriented contributor to create and maintain small scale COBOL computer systems for our corporate administrative group. You will have complete responsibility from design to programming to implementation for these financially oriented systems. BS/BA in Computer Science or related disciplines with 1-3 years of COBOL programming experience are desired.

We offer competitive wages and benefits. Please send resume with salary history to Steve Hobbs, Data General Corporation, 4400 Computer Drive, MS-A237, Westboro, Mass. 01580.

Data General

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Coming Soon Class of '81 JUNIOR PROM

May 2nd, 3rd, & 4th

"The
Greatest
Show
on Earth"



Spring weather warms-

McNulty opens his 34th season with WPI baseball

by Fred Beacoup

The "Dean of College Baseball Coaches", WPI's own Charlie McNulty, opened his 34th season as mentor of the WPI Baseball Engineers this week welcoming back a crew of seasoned veterans from last year's 9-11 squad. The Engineers graduated only two seniors last year and thus return with the line-up virtually intact.

Captain Don Maki, recently voted All-Holden by the town's Chamber of Commerce, returns for his fourth season atop the Hill as the team's premier hurler. Maki was dubbed "The Stopper" last year by virtue of the job he did while snapping Brandeis University's 23 game winning streak, the longest in the history of New England college baseball. Don will fill the Captain's role well, providing the great leadership shown in the past by former captain's like Dan Pouliat and Scott Farrel.

wrestled the starting job from the immortal one, Gary Sowya. But the talk is that the fast life associated with playing the glamour position of the WPI baseball team has caught up with him. The frat parties and the Becker dorms take their toll. One expert estimates that McBride lost a step and a half over B term alone. A big question mark this season, can McBride come back?

Rounding out the infield is first baseman Dave Valardi. The quiet big man has a flair for the long ball. A holdout last year, the rumor was that Dave was seriously considering an offer from the WPI Ultimate Frisbee Team.

Turning toward the outfield, as is often the case, we find perhaps the heart and soul of the WPI cause in the persons of Tim Shea and Dennis Wysocki. The two, both Juniors, play left and centerfield respectively and are considered the meat of the WPI line-up.

SPORTS

Webb Grouten, plagued with arm problems most of last year, is back and striving to regain his form of freshman year as "The Fireman" out of the bullpen.

The sophomore tandem of Jack Breen and Paul Olivera add great depth to staff in terms of the experience they received last year as Coach McNulty was forced to rely on them as freshmen. Breen, a lefthander from Westboro, had a big win over University of Hartford, a Division II power, and showed poise and control in other appearances. Olivera proved to be a sobering force last year as the big right-hander came on to overpower MIT and Baruch by tossing consecutive one-hitters.

The entire starting infield returns from last year, an exciting bunch whose style of play is characterized by their desire and abandon. Tom Villani, a sophomore who won the starting third base job last year with his hustle and all-around heady plays, provided an added dimension to the offense with his incomparable speed and quick bat. Ed Kurdziel, "Steady Eddie", the veteran shortstop who, when accused of Sleeping and/or Eating, is quick to point out that he batted .324 from seventh spot last year and also is one-half of what is perhaps WPI baseball's most productive double play combination ever. Which brings us to the other half of that combination, the veteran second baseman, Tom McBride. They had such high hopes for this kid when, as a sophomore, he

They also bat third and fourth. Shea, finally rid of the "Freshman Flame" image which plagued him in his rookie year, is ready to assume his role as the offensive power of the club. Wysocki, originator of the "Date Dennis Wysocki Contest" sponsored in part by Newspeak in cooperation with the Fiji Island Planning Committee, carries on the Tony Fernandes tradition in centerfield. The battle to fill the tremendous void in right field created by the passing of the man whose name was most closely associated with WPI baseball, Dan Pouliet. Hal "Axel" Ekberg, a utility infielder turned outfielder, is there for consideration and also Rick "HR" Halleck the D.H. from last year's squad. Big John O'Neil is also in pursuit of the starting job in hopes of adding some power and muscle to the WPI attack.

Some new faces on the scene this year include Paul Dagle, a sophomore third baseman who was injured all last year but carries a big reputation from Holy Name High School. Al Carpenter, a catcher who has poise and control, as well as an arm that is considered uncommon for a WPI receiver, should be a serious push to veterans Mike White and Mike Scipione. Another freshman, Mike Vallito, a first baseman, shows tremendous promise and has the potential of making his mark early on WPI baseball. A couple of hard-throwing right handers, Dave Paquette and John Salvatore, are looking to find a spot on the WPI pitching staff.

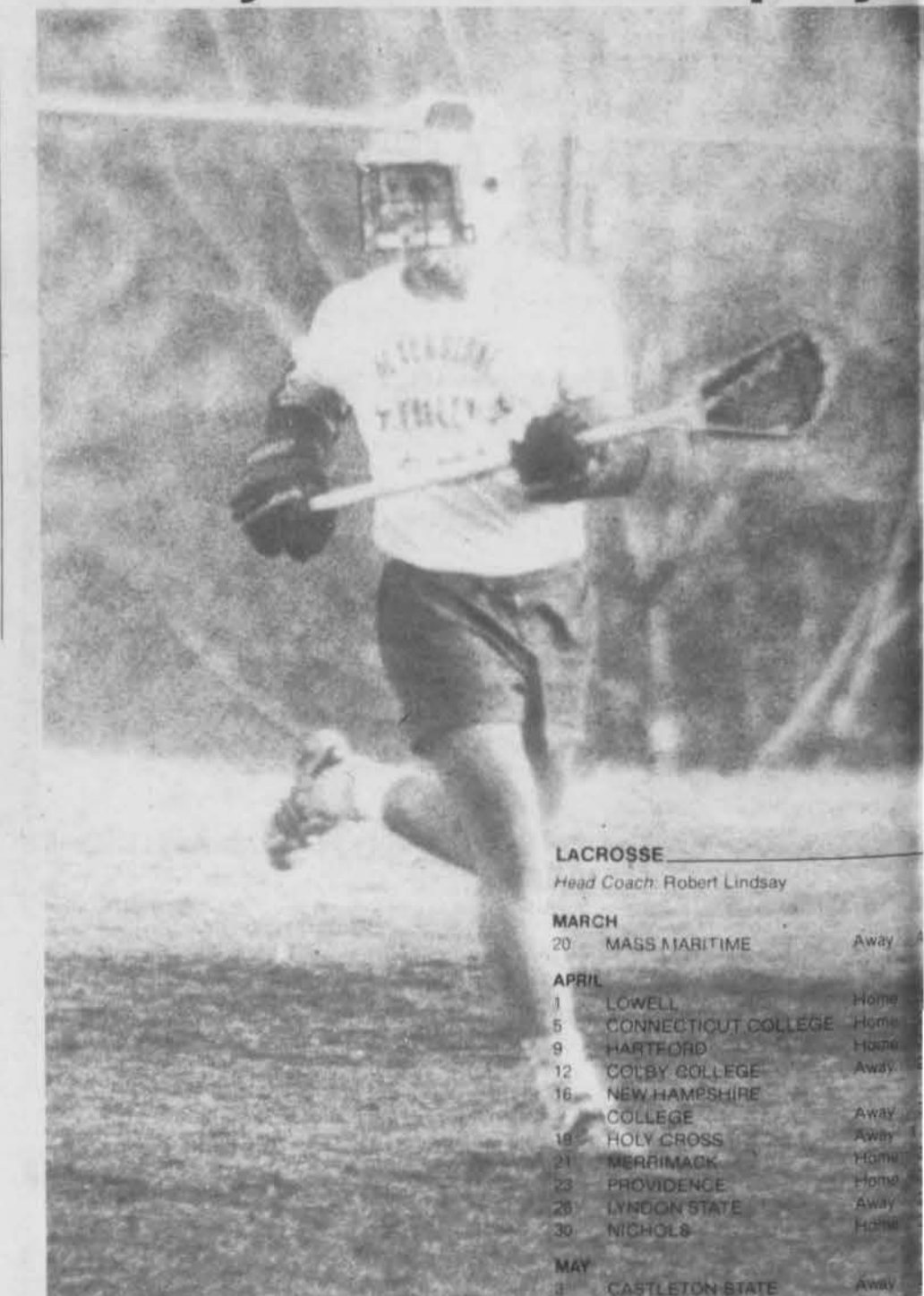


WPI'S BASEBALL
Head Coach: Charlie McNulty 34th year
Captain: Don Maki '80

| APRIL | | MAY | |
|-------|--------------|------|---------|
| 5 | WESLEYAN | Away | 2:00 PM |
| 8 | LOWELL | Home | 3:00 PM |
| 10 | CLARK | Home | 3:00 PM |
| 12 | HARTFORD | Home | 2:00 PM |
| 14 | A.T.C. | Home | 3:00 PM |
| 17 | BATES | Home | 3:00 PM |
| 19 | AMHERST | Home | 1:00 PM |
| 22 | TRINITY | Away | 3:00 PM |
| 24 | ASSUMPTION | Away | 3:00 PM |
| 25 | COAST GUARD | Away | 1:00 PM |
| 29 | TUFTS | Away | 3:00 PM |
| 1 | SUEFOLK | Home | 3:00 PM |
| 5 | MIT | Away | 1:00 PM |
| 8 | NORTHEASTERN | Away | 4:00 PM |
| 9 | BRANDEIS | Home | 3:00 PM |
| 13 | BENTLEY | Away | 3:00 PM |

WPI Baseball team looks very much like it did last year. They play Clark at WPI at

Lindsey's Lacrosse to play v



LACROSSE

Head Coach: Robert Lindsay

| MARCH | |
|-------|-----------------------|
| 20 | MASS MARITIME |
| APRIL | |
| 1 | LOWELL |
| 5 | CONNECTICUT COLLEGE |
| 9 | HARTFORD |
| 12 | COLBY COLLEGE |
| 16 | NEW HAMPSHIRE COLLEGE |
| 18 | HOLY CROSS |
| 21 | MERRIMACK |
| 23 | PROVIDENCE |
| 28 | LYNDON STATE |
| 30 | NICHOLS |
| MAY | |
| 3 | CASTLETON STATE |



WPI's Ultimate Frisbee Club will host their first annual Ultimate tournament this weekend. Participating in the event will be U. Conn., Williams College, and Amherst College.

"The fastest game on two feet" will be played against Hartford tomorrow at

WPI sports action

Softball



at 3 p.m. on Thursday.

Varsity schedule

By Michael Teague
Newspeak Staff

With spring on its way, Coach Bob Lindsey's Lacrosse Club is gearing up for another promising season. Although only a club sport, they play an all Division 3 varsity schedule.

Leading the way for the WPI stickmen is captain Mike Delgrande. Returning starters Dave Schab, Bob Corrier, Tom Finn along with Chriss Claussen, Jim Dooley, and Dick Darcy should make for some quick and exciting mid-field action.

Bolstering the scoring game from the attack position are Rick "Wasto" Passaro, big Paul Lindenfelzer and former Army lacrosse star Steve Hennigar.

Fighting it out for the goalie position are two Juniors, Steve Kelly and Mike Teague.

Returning starters, Doug Sandor, Bob Flynn, and Grant Swann should make for another year of solid defense. Pressing for a starting position on defense are Joe Bellas, Chet Cekala, Tom Lucey and Joe Mayall.

WPI will also field a J.V. team with former U-Mass star, Bill Henry, as their coach.

Come out and watch a lacrosse game and see for yourself why it is called "the fastest game on two feet."



Women's track begins first year at WPI

By Shauna Donovan
Sports editor

The newly organized women's track team under the direction of first year coach, John Barghout, a fifth year WPI student, looks promising this year. The team, a group of devoted women, looks forward to a full season with an adequate number of meets for a newly formed team, unfortunately, though, there are no home meets. Although the team is small there is someone to represent each event and the girls are counting on the quality of their talents not the quantity. So, wish good luck the first women's track teams at Tech.

WOMEN'S TRACK & FIELD

Head Coach: To be announced

APRIL

| | | | |
|----|---|------|---------|
| 19 | BRYANT/RIC | Away | 1:00 PM |
| 23 | FITCHBURG ST/BECKER JR | Away | 3:00 PM |
| 28 | CITY CHAMPIONSHIP | Away | 1:00 PM |
| | Holy Cross, Assumption, Woff. St. Clark | | |

MAY

| | | | |
|-------|----------------------|------|--|
| 10-11 | Eastern | Away | |
| | City of Fitchburgh's | | |
| 14 | NEW ENGLAND'S | Away | |
| | Dartmouth | | |

Women's Track and Field opens its first season on March 19 at Bryant college. Mel Norcross begins his 27th year as Head Coach of WPI Varsity Track team on Saturday at Wesleyan. Their first home meet will be next Tuesday against Worcester State, Assumption, and Clark.



VARSITY TRACK

Head Coach: Mel Norcross, 27th year

Asst. Coach: Ken Kaufman, 3rd year

Tri-Captains: David L... '80

John N... '80

John T... '80

APRIL

| | | | |
|----|-------------------|------|---------|
| 12 | WESLEYAN COLLEGE | Away | 1:00 PM |
| 15 | WORCESTER STATE | Home | 3:00 PM |
| | ASSUMPTION, CLARK | | |
| 19 | BOSTON COLLEGE | Away | 12 Noon |
| | RELAYS | | 3:30 PM |
| 23 | COAST GUARD | Home | 1:00 PM |
| 26 | BENTLEY | Away | 3:00 PM |
| 30 | TRINITY | Away | 3:00 PM |

MAY

| | | | |
|-------|-------------------|------|----------|
| 3 | M.I.T. | Away | 12:30 PM |
| 10 | EASTERN'S | Away | |
| 17-19 | NEW ENGLAND'S | Away | |
| 28-30 | NCAA DIVISION III | Away | |

VARSITY GOLF

Head Coach: Mel MaSSucco, 8th year

Co-Captains: Gary Graf '80

Rodney Poole '81

APRIL

| | | | |
|----|------------------------|------|---------|
| 3 | COAST GUARD | Home | 1:00 PM |
| 8 | BENTLEY, PROVIDENCE | Home | 1:00 PM |
| 10 | BABSON, M.I.T. | Away | 1:00 PM |
| 14 | HOLY CROSS, ASSUMPTION | Away | 1:00 PM |
| 17 | MIGA TOURNAMENT | Away | |
| 18 | CLARK, TUFTS | Away | 1:00 PM |
| 21 | LOWELL | Home | 1:00 PM |

MAY

| | | | |
|---|----------------------|------|---------|
| 1 | AMHERST, SPRINGFIELD | Away | 1:00 PM |
| 5 | A.I.C., NICHOLS | Away | 1:00 PM |
| 8 | TRINITY | Away | 1:00 PM |

WOMEN'S SOFTBALL

Head Coach: Lynn Olson

APRIL

| | | | |
|----|---------------------|------|---------|
| 8 | CLARK | Away | 4:00 PM |
| 10 | ASSUMPTION | Home | 4:00 PM |
| 11 | WESTERN NEW ENGLAND | Home | 3:00 PM |
| | (Doubleheader) | | |
| 15 | STONEHILL | Home | 4:00 PM |
| 16 | NICHOLS | Away | 4:00 PM |
| 18 | ANNA MARIA COLLEGE | Home | 4:30 PM |
| 22 | M.I.T. | Away | 4:00 PM |
| 24 | BRANDEIS | Away | 4:00 PM |
| 30 | BRYANT | Home | 5:00 PM |

MAY

| | | | |
|---|--------|------|---------|
| 1 | REGIS | Home | 4:00 PM |
| 6 | RIC | Away | 4:00 PM |
| 8 | A.I.C. | Away | 3:30 PM |

VARSITY TENNIS

Head Coach: Alan King, 11th year

APRIL

| | | | |
|----|------------|------|---------|
| 5 | BENTLEY | Home | 1:30 PM |
| 9 | HOLY CROSS | Away | 3:00 PM |
| 12 | BABSON | Away | 1:00 PM |
| 15 | CLARK | Away | 2:00 PM |
| 17 | BATES | Home | 2:00 PM |
| 19 | RPI | Home | 2:00 PM |
| 24 | NICHOLS | Home | 3:00 PM |
| 26 | ASSUMPTION | Home | 1:30 PM |
| 28 | SUFFOLK | Home | 2:30 PM |
| 30 | LOWELL | Away | 2:00 PM |

MAY

| | | | |
|---|----------|------|---------|
| 3 | BRANDEIS | Away | 2:00 PM |
| 8 | A.I.C. | Home | 3:00 PM |

Indoor soccer keeps team kicking

by Victor Brenner
Newspeak staff

Just because the regular fall outdoor soccer season has ended, the players don't just pack in their shorts and wait for next year. To keep the old legs tuned up through the winter, many of the varsity and junior varsity players participate in the indoor form of the sport. The schedule isn't as busy, and the practices aren't as long, but dedication isn't lacking. Coach Alan King consistently schedules practices and scrimmages for his team and the results often turn out to be quite satisfying. Two weeks ago Saturday (March 1) our WPI indoor soccer team was invited to play in the Holy Cross Invitational Soccer Tournament. Only eight teams were invited but of course the competition was tough. The eight teams were broken down into two

separate divisions with WPI understandably being placed in the stronger of the two. WPI's divisional opponents included Boston College, Clark and Holy Cross White. The other division consisted of teams from Nichols, Fitchburg State, Assumption, and Holy Cross Purple (the stronger of their two teams).

WPI quickly suffered a setback in their hopes of earning a playoff berth with a 2-1 loss to Boston College, with John "Bubby" Hanly supplying the only offense for WPI. In the other divisional game Clark handled Holy Cross White with a relatively easy 4-0 win. WPI's playoff hopes now depended on them winning their last 2 games, preferably by as large a margin as possible, because in the event of tied records (2 points - win, 1 point - tie, 0 points - loss) goals for and against would decide the top two teams.

The next opponent for the WPI boosters was the Holy Cross White team. Thinking a tie with Clark was in the making for second place, our boys went out intending to win by at least 4 to nil. It seems that when they put their minds to something nobody gets in their way as WPI came away with a 7-0 victory, riding goals by Mick "The Pebble" Nallen (3), Kevin "Anthony" Murray (2), Gazanfer "Gweeper" Namoglu (1), and Mahmood "Azizi." Things were looking brighter for our team until Boston College went and lost to Clark. Now WPI had to hope that they could beat Clark and hopefully qualify on a goals scored basis.

Now here's where things got hairy!

In the next contest for WPI someone almost put the lights out as we trailed Clark 1-0 with time running out. But the "cardiac kids" were not willing to give

up yet. Gazanfer, in remaining his old reliable self, converted a penalty shot with less than 5 minutes remaining to tie up the game. Much to the dismay of WPI the game ended in a deadlock following a controversial shot which supposedly was in the Clark net. Mick Nallen protested vehemently after his premature victory celebration was cut short by the referees no-goal decision.

Since they didn't come away with a victory against Clark, WPI had finished its divisional play with a 1-1-1 record (3 points). Their only chance for a playoff spot now rested on the Holy Cross White team beating, or at least tying, Boston College. Don't forget that B.C. had already beaten WPI and Holy Cross White had 4-0 and 7-0 losses to their credit. The WPI hopefuls put on their sweats and took seats in the spectator section in the balcony to ob-

(continued to page 16)

Swim team fares well at N.E. Championships

by Paul Cottle
Newspeak staff

The tiny WPI women's swim team made a big splash and the men's team swam to a few personal best times at New England Swimming Championships.

The women, whose "A" division meet ran February 29-March 2 at Orono, Maine, came up with in MJ Hall's case, a couple of good performances, and in Anne Marie Kruglewicz's, several incredible ones. On the first day of competition, MJ swam to a second place in the 200 yard backstroke in 2:18.90, her second-best time of the season. Anne Marie held the lead in the 500 yard freestyle until the last 50 yards, and came in second with a fabulous time of 5:13.92, her best time of the season by almost eight seconds.

The next day, MJ finished 12th in the 100 yard backstroke, posting a 1:06.22. Once again, Anne Marie splashed to a surprisingly quick swim, placing fourth in the 200 yard freestyle in 1:58.92.

MJ closed out her effort on Saturday in the 50 yard backstroke, swimming to a swift 29.98, good for fourth place. Anne Marie sprinted to a 57.11 in the 100 yard freestyle for 13th place.

But nothing could have foretold Anne Marie's performance in the 1650 yard freestyle. She smashed her previous personal best time, winning the championship in a speedy 18:01.47.

The men threw in a few solid performances during their three days (March 6-8) at Springfield College. Paul Cottle opened the meet on Thursday with a 19:18.00 in the 1650 yard freestyle. The 800 yard freestyle relay followed, posting a time of 7:46.87. Pete Kilcoynes leg of 1:58.8 represented a drop of 2 seconds over his previous best in the 200 yard freestyle. John

Lee's anchor of 1:52.5 also showed a 2 second improvement over his previous best 200 free.

On Friday, Todd Dean opened up the WPI effort with a personal best of 23.49 in the 50 yard freestyle. This was especially satisfying for Todd, as he had done his previous best of 23.6 in high school, two years ago. Scott Berry also posted a good time in the 50, with a time of 23.44 seconds. Jay Bellingham and George Beebe swam the 200 yard breaststroke in 2:24.51 and 2:28.68, respectively. In the 200 yard freestyle, Jay McNeff did 2:04.08, and John Lee posted a personal best (other than a relay leg) of 1:53.48.

The best WPI swim of the day was done by Pete Kilcoyne in the 200 yard individual medley. Pete dropped a huge six seconds from his previous best, swimming to a time of 2:12.74. Then, the 400 yard medley relay of George Beebe, Jay Bellingham, Mike Healey and Todd Dean Posted 3:57.00.

Pete came back on Saturday to swim the 100 yard freestyle in another personal best of 53.16. Todd Dean and Scott Berry swam the 100 free in later heats, stroking to times of 51.62 and 51.44, respectively (Todd's was a new personal best). Jay McNeff wrapped up his college swimming career with a season's best of 5:31.31 in the 500 yard freestyle. Paul Cottle and John Lee each swam to personal bests in the same event, with times of 5:31.86 and 5:07.00, respectively.

In the 100 yard butterfly, Mike Healey swam for a time of 56.32. George Beebe and Jay Bellingham swam the 100 yard breaststroke in times of 1:08.50 and 1:05.41. The 400 yard freestyle relay of Todd Dean, Mike Healey, John Lee, and Scott Berry posted a time of 3:265.29. The highlight of the relay was Scott Berry's 49.62 anchor leg.

KAP IM swim champs

by Jeff Rodnick

For the fourth consecutive year and fourth time in a row KAP has won the IM swim meet. Led by SPS member Gary Kucinks who won both the 100 yd and 200 yd freestyles and anchored KAPS winning 160 yd freestyle relay team the KAP beat it closest competitors by over 30 points.

Both Patrol and Independent team have to be congratulated for their fine showing, tying for second place.

The most courageous swimmer during the two day meet was Chip "Beaver" Biena who was in the midst of a mild KAP "help" week turned in a fine performance in 160 medly relay 160 yd backstroke and 100 free relay.

Other winners were Purier from Sig Ep in the 60 yd breaststroke just edging out IM great John Oboro, IT in the 160 yd medley relay, Karl from SAE in the 40 yd freestyle, Arcila in the 80 yd individual medley from Patrol, Gray won the 60 yd Butterfly. He also was from Patrol, and McLaughlin from Sig Ep won the 60 yd backstroke.

Winter IM over

Winter Intramurals drew to a close on March 14, with the championship basketball games for both Division I and II.

Kap A emerged the victor for Division I at the expense of IYF. The Division II battle saw GBM beat out the Organs.

The final standings for Intramural Bowling and Swimming are as follows:

| Bowling | | |
|-----------|--------|------|
| Team | Points | Pins |
| 1) IT | 4-0 | 2121 |
| 2) SAE | 1-2 | 2000 |
| 3) LCA | 1-2 | 1905 |
| 4) ATO | 1-2 | 1787 |
| Swim Meet | | |
| Team | | |
| 1) KAP | 119 | |
| 2) IT | 77 | |
| 3) Patrol | 77 | |
| 4) Fiji | 64 | |
| 5) SPE | 46 | |
| 6) SAE | 22 | |
| 7) LCA | 20 | |
| 8) ATO | 19 | |
| 9) PSK | 13 | |
| 10) OX | 11 | |
| 11) SP | 6 | |

IYF defeated by KAP in B-ball

by Jeff "Gimme a bid" Rodnick

Fri night at 10 P.M. a new IM basketball champion was crowned. This event was witnessed by 350 people and keg (this doesn't mean Dave Busch). That night, defending champions IYF, minus letter winner Wayne Barry, played KAP A plus IM hoop ball of flamer Jim (gimme the ball) Griffin. The final was 42-32 KAP. The WPI community, excluding KAP and its followers, were stunned by this outcome. But how could a team that lets Ziggy start at guard expect not to choke in the big game.

In the game KAP fell behind early, but by the end of the first half KAP was in control due to the strong play underneath by Brian Renstrom and Brian Dalton. In the second half KAP pulled ahead due to a strong bench which included Bob Montagna, Tom Villani, Rick Hallec, and freshman superstar

Jim (joyously) Jackson. Senior player — coach Tom "sir der" McBride and Phil "no spin" Miles played a strong all round game in their starting rolls.

After going up by 10 pts on a Rich Hallec 25 foot twine tingling prayer YF had to go to a V man to man defense with 5 1/2 minutes left. When Coach Sir Der fouled out the fans felt another KAP choke coming. Their fears seem to be coming true when Steve "Tiny" McPherson converted a three point play. The fans fears were put to rest though when Jim Jackson came in and coolly handled the IYF sieve. I means press, and KAP came away with the "Hoota".

In all honesty this game was played by the best two teams in the tournament. Both teams had breezed through the play-offs with IYF handily beating LCA and the GAM while KAP burnt Patrol and Sig Ep. With this big win the KAP has almost assured itself another sports trophy.

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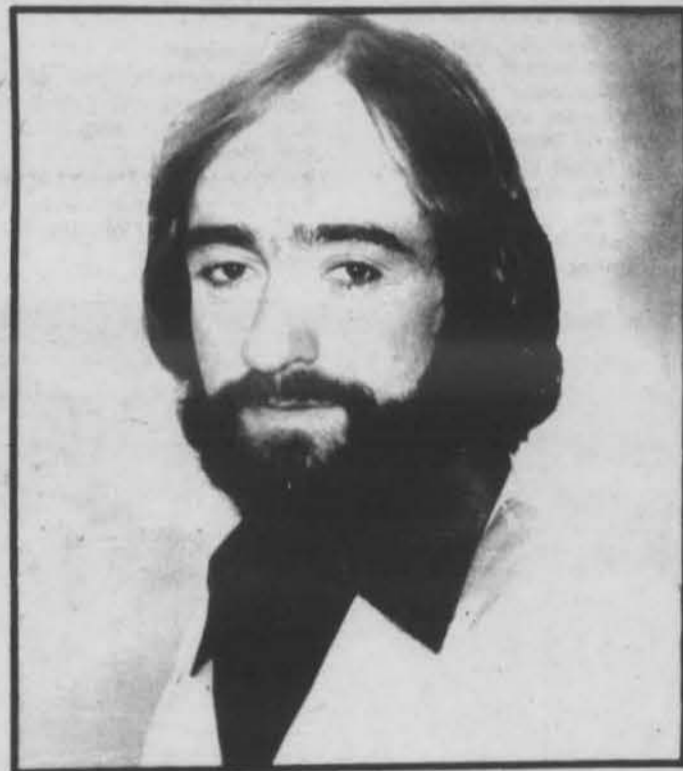
DAVE MASON

RETURNS TO WPI

Thursday, April 17, 1980

8:00 p.m.

Harrington Auditorium



Tickets

\$4.00 - Students

\$5.00 - Faculty & Staff

On Sale Now!

NO COOLERS OR KEGS ALLOWED



Due to the Dave Mason concert, the Coffeehouse scheduled for that date has been moved to Monday, April 21 in the Wedge at 9 p.m.



Being There a must

by David French
Newspeak staff

Based on the novel by Jerry Kosinski, *Being There* is unusual in that it is not primarily concerned with the usual topics such as crime, espionage, love, sex, macho-men or space.

Peter Sellers plays Chance who heads an elaborate garden for an old and dying financier. He is portrayed as being in his late forties to early fifties, dressed immaculately in the best tailored suits of the late twenties.

The scene is set with the discovery of the financier passed away in his room. The late financier's lawyer arrives with a lady companion business associate and is surprised to find Chance living in the deceased's house located in a suburb of Washington, D.C. From the ensuing conversation, one gathers that Chance has never wandered outside of the financier's house and garden. His only awareness of events in the outside world arises from watching TV, which he is seen to do with an addition that utilizes every spare moment. Chance informs the lawyer that he wishes to make no claim on his employer's estate, and consequently is swiftly evicted.

Chance steps out of isolation into a

world that he has only viewed on a screen. By a strange twist of events he ends up staying with a close friend and advisor of the President of the U.S.A. The pace picks up a little, Chance talks with the President who quotes him in a speech. Soon after he is appearing in nation-wide TV talk shows and is rumored to be a possible candidate for permanent Presidential Advisor or even the Presidency itself.

The plot develops slowly throughout the film and this helps to sustain its credibility. There is fine acting to be witnessed by all the main characters including Shirley Maclaine, Jack Warden and Melvyn Douglas. There are many funny and satirical scenes in which appreciative laughter can be heard around the cinema.

'*Being There*' reminds one that by being with the right people at the right time and receiving national coverage almost any unknown weirdo or recluse can be hailed as a leading authority and a genius in some field.

For Pink Panther fans this is a must. Once again Sellers excels in the role of a man who is simple enough to believe in the existence of the great qualities that others see in him. The film is currently at the downtown Showcase, Worcester.

...Attrition rate

(continued from page 4)

Plan. Thirdly, the perception that we have only engineering is false. WPI has a good capability of majoring in other fields such as areas of social science and technology."

Grogan felt that the narrowness that students say exist, is in fact, the fault of the students.

An interesting statistic that Dean Grogan pointed out, was that there were more people involved in the humanities before (when the Plan first started) than there are now.

"Most students are driven by the job market and look at the jobs available to a WPI graduate and are very short-sighted. The Plan and a mixture with humanities was a much stronger component four or five years ago," continued Grogan.

"Anyone who would like to get a broader education can get it here. We have a superb economics department for example. We have top notch faculty in humanities also. There are all kinds of fascinating people and many students would get a fine opportunity in these areas."

But Grogan also cited the peer pressure and "snobbish" attitude of some students toward areas other than engineering.

Other implications of the survey showed that there was a general dissatisfaction with the social life, and that women here are more satisfied with the social life than the men.

Still other students felt that there was more of a chance to meet people at other schools, and surprisingly enough, it indicated that belonging to a fraternity or sorority didn't effect satisfaction with the social life.

There was some dissatisfaction with the WPI academic program that was expressed as a distant second in the list of reasons to leave. However, when students were asked questions as to the availability of faculty members the rating was high, indicating that people are satisfied with the time faculty spends with students.

The survey did not find any more women than men with an intent to leave. The survey did include those residing on campus as well as off.

To some people, the survey indicated that there was a need to broaden the program. Goodwin stated, "The findings indicate to an extent that you can broaden the program to hold onto students. It's difficult to do it — it's hard to attract other students

(continued to page 15)

...Men's Glee Club host IMC convention

(continued from page 1)

musical and professional standards, providing a unique resource to individuals and organizations interested in the field of male choral singing. Members of the council are widely recognized as consultants, judges and guest conductors at choral festivals throughout the world. Currently the IMC is headed by John R. Grigsby of the University of Florida. The council's first executive director was the late Marshall Bartholomew of Yale University. He was instrumental in bringing male choral singing to a position of respect in the musical world.

Be sure to attend what will be the greatest musical event to be held in New England for some time to come.

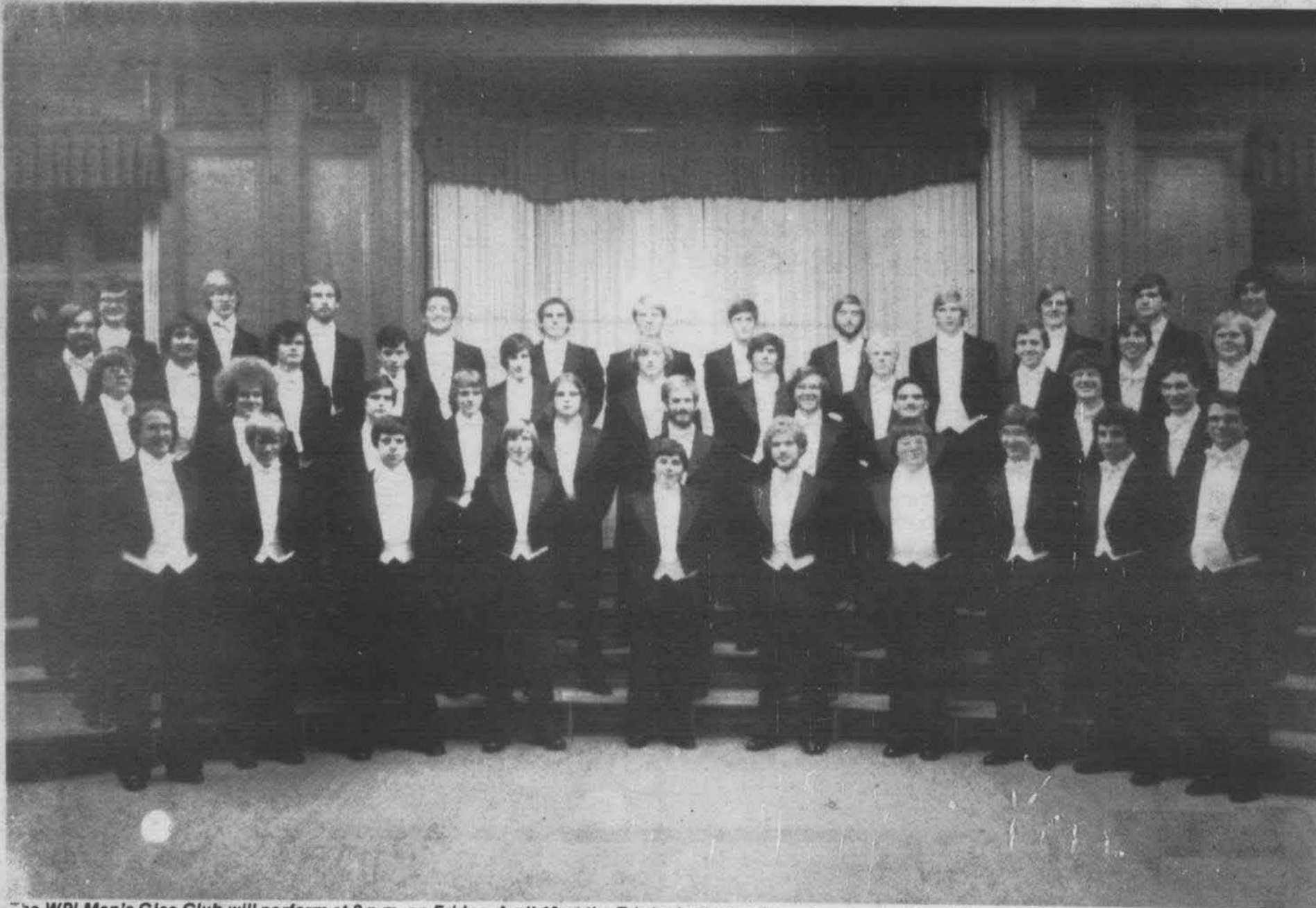
Tickets for the concerts are \$6.00 for each concert of \$10.00 for both; student tickets will be \$3.00 per concert. Group rates are also available. Tickets are available from M. T. Plante Ticket Agency, Worcester (formerly Steinert's), Strawberries VIII, and the Hurdy Gurdy Man in Worcester, and the Daniels Hall Ticket Office on the WPI campus. Tickets can also be obtained by mail from the WPI Men's Glee Club, Box 2517, WPI, Worcester, MA 01609; or by calling (617) 798-8594.

Friday, April 18, 1980

7:00 a.m. Breakfast and registration at WPI.
8:45 Opening greetings.
10:00 Seminars
Lunch
1:45 Seminars
3:00 St. Peter's Choir of Men and Boys Choral Workshop (approximately one hour long).
6:30 Dinner
8:00 Concert (at Trinity Lutheran Church) performances by Amherst, WPI and Regis Colleges, and Union.
10:30 Reception

Saturday, April 9, 1980

7:00 Breakfast
9:00 Business meeting
10:30 Harvard Choral Workshop
12:00 Lunch
1:00 Seminars
4:00 Ecumenical Mass at St. Paul's Cathedral.
5:30 Dinner Banquet
8:00 Concert (Mechanics Hall) performances by Cornell, Fairfield, Harvard, and University Glee Club.
10:30 Reception



The WPI Men's Glee Club will perform at 8 p.m. on Friday, April 18 at the Trinity Lutheran Church as part of the IMC convention.

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Rick James has formula

by James Marshall
Newspeak staff

Rick James is playing music the way he likes it, wishing to appeal to a massive audience of both blacks and whites. To a degree he may be succeeding; he is now one of Motown's biggest moneymakers, along with Stevie Wonder and the Commodores. But true success still seems far off. Says James, "This racism thing that comes down blows my mind. A lot of black and white crowds still have trouble mingling."

One of his first groups was the Mynah Birds formed by him in the mid-sixties, upon meeting Neil Young in a coffeehouse in Toronto. Their music although recorded for Motown was never released and James figured the business just wasn't ready.

Now both James and Young have made it but the audiences are not integrated.

His latest release 'Fire It Up' is in line with his previous two albums. Great funky dancing tunes and lovely ballads combined to a nicely blended album. Side one is up beat, finishing with the notable ballad "Love In The Night." Side two is more mellow, giving the whole work this nice mix.

Rick's feeling that funk has stagnated with such 'cosmic dribble' as heard from Parliament/Funkadelic, leads to his quest to create his own individual identity — punk-funk.

He says he wants to talk about the streets but his central theme is love.

This applies to Phylis Hyman as well. Her latest album "You Know How To Love Me" has the same central theme, her style is equally enjoyable, not the heavy funk James performs. Phylis Hyman delivers her songs with delicate vigor making this album one of her best efforts so far. The title song has already been a hit. The other songs

are not as pop, consisting of r&b ballads most notable are "Some Way" and "Give A Little More." It is in these songs that the charming ability of her voice is most notable.

If you like to get-down to funky music and relax with soul music, Rick James and Phylis Hyman have a formula that works.

Millionaires

(continued from page 2)

adds insult by taxing you on your loss. Even though the \$57.50 in interest on your \$1000 savings did not keep up with inflation the government treats it as income and levies a tax on it. So that, if you have a taxable income of \$26,000 and the inflation rate is 9 percent, you will have to earn approximately 17 percent on your savings just to break even. It is not surprising that saving money has ceased to be an attractive option for most of us.

Right now we are saving less than 5 percent of our disposable income, one of the lowest savings rates among the major industrial nations of the world. In Japan, for example, almost 25 percent of disposable income is saved and this savings rate is over 15 percent in West Germany. The result is that Japan and West Germany, as well as many other countries, have been increasing their productivity much more rapidly than has the U.S., where productivity has increased hardly at all in the last few years. For lower savings means lower investment; lower investment in capital and equipment means lower productivity; and lower productivity means less wealth.

Why has so little been done to control inflation? It is not because no one knows how to control it. Economists have known for centuries that inflation is caused by increasing the money supply more rapidly than the increase in productivity. Only by controlling the money supply can inflation be controlled. And since the money supply is controlled by the federal government inflation can be controlled by our representatives in Washington if they chose to do so.

Unfortunately, it is very popular to vote for expanded government programs on the one hand, while voting for tax reduction on the other. This necessarily results in the budget deficits that have become the trademark of the federal government.

The federal government has run a deficit in 18 of the last 19 years, managing to spend 380 billion dollars more than it has raised in taxes. The enormous size of the recent deficits has made it impossible to cover them entirely through borrowing. The alternative has been for the Federal Reserve System to cover the remaining debt by creating new money. In recent years approximately 40 percent of the federal deficits have been covered through the creation of money. The result has been a rapid growth in the money supply and the longest inflation in our nation's history.

But hope for containing inflation is not completely unfounded. People are becoming increasingly knowledgeable as to the source of inflation and painfully aware of its costs. Politicians are finally beginning to get the message that their constituents are serious about reducing governmental extravagance, and are responding, if somewhat reluctantly.

There is increasing enthusiasm for changes, such as the balanced budget amendment and across the board expenditure restrictions, which will make it more difficult for the federal budget to increase relative to the size of the rest of the economy. Whatever the merit of these specific proposals, until some discipline is imposed on the political process, swollen budgets and increasing inflation will continue to be the news out of Washington. But if we let our political representatives know that we have had it with inflation and the undisciplined government spending behind it, then just maybe we can prevent our children from becoming millionaires.

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classifieds

NEWSPEAK will run classifieds free for all WPI students, faculty and staff. Free classifieds are limited to 6 lines. Those over 6 lines must be paid for at the off-campus rate of 25¢/line. Deadline is Saturday noon for the following Tuesday issue. Mail to WPI Newspeak, Box 2472, or bring to WPI Newspeak, Room 01, basement, Sanford Riley Hall. Forms must be filled with name, address, and phone no. for ad to be printed.

NAME _____ PHONE _____

ADDRESS _____ TOTAL ENCLOSED _____

AD TO READ AS FOLLOWS:

Allow only 30 characters per line.

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Reward offered for the return of a dark blue raincoat lost at the movie in Aiden Hall on March 8th. Reply Box 1403. No questions asked.

Visit La Villa Strangiato. Prepare the Hemispheres of thy brain, for we shall soon feel the caress of steel. Beware of BY-TOR. Remain closer to the heart. Farewell (T.K.)...P.S. Luna!!!

Can you speak or write Norwegian, or do you know anyone who can? If so, please contact Box 1073.

Looking for a new cult to replace the old one. Have temple and object of worship. Special interests: Jabbiss and GPX's. Box 1828.

To the "Organ 4th" basketball team & their undefeated coach. Congrats on the great season

To Daniels 3rd: Thanks for the free beers a few weeks back. How about leaving some more good brew out on the window sill for me? P.S.-Moosehead's my favorite!

John-Boy: See you on Walton's Mountain?...Or is it Walden Puddle?? Jim-bob

Forming a new cult as an IQP. Positions open for devoted followers. Suggestions for objects of worship welcomed. If interested write: Cult Box 1079.

Hey Kappa Sigma, when is our initiation for our sisters? And can I help? Brother 5

To Grinch, Space Invader and the Teddy Bear: Be very careful...Ralph is working with the Zombies! Love in Christ, Raccoon.

Applications are now being accepted for the "Fiji Island win a date with Dennis Contest." For more information, contact previous winners or Dennis Wysocki at 752-1838.

MHL basketball team wishes to thank all of its loyal fans for their support during our season. Special recognition to the right wing rowdies and the ever present "Mooney girls."

Hey what's wrong? There's no newspaper, and the concert's not on. You come up with some excuse. But let's face it boys it's no use. Everyone knows you'd working for the clam-down.

OH WOW, what fine entertainment! Ruining my records on the great social committee equipment. Next week let's stay home and listen to old Lawrence Welk records.

To Daniels 3rd: Another free six of Lowenbrau!!! We didn't know you were that dumb!!! Same time next week??? We're waiting!!!

For Sale: Complete Ski Outfit, great for beginners. Includes pair of Royals Hots (170 cm), Caber boots (8 1/2), Tyrolia 150 bindings, poles. All like new, used 1 season, \$110 or best offer. Contact Pete at Box 2306, or call 752-3287.

Beware the prince of darkness, for he controls the fog. By his power shall be hidden all the light of the darkest night, and shall be seen the ugly beauty of the universe.

To Mike & Greg & Peter & Stu: Thanks for the cakes and visits too!!! Now it's our turn to return the favors, from your friendly "Romeau" neighbors! Look forward to a surprise D term...

To my shower pal: where were you at 2 a.m., or was that 3? P.S. can you find someone for my roommate?

Found: \$ in Goddard Hall. Must give specific amt. & place found to claim. S. Donahus-CH Dept.

Congratulations, Mork! What a winning streak--5 for 5!

...Brandon

(continued from page 1)

on the staff — which is smaller than those of most comparable colleges. But he feels that the character of those WPI's admissions policies is in part responsible for the success that the Plan has enjoyed. Summing up his appraisal of the admissions process, Brandon said "It demands more but it gives more."

Another issue that concerns Brandon and other members of the WPI community is the danger of drifting away from the Plan to a more traditional, rigid technical education. He expressed the hope that the "broadest vision of what a WPI Plan education can be kept alive — that WPI doesn't revert back to 'just' a fine technical school."

Pathways

WPI Newspeak's new

creative arts

magazine will be

distributed on

Thursday, April 10.

Computer Science and Engineering Graduates

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...Attrition survey

(continued from page 12)

because WPI has a reputation for engineering."

Grogan also stressed that point, "A lot of students think of WPI as only an engineering school and nobody thinks of the other areas because they aren't visible, nobody thinks of them. We have a superb faculty here (in areas such as humanities) and we have the capability of adding the technical background."

"As President Hazzard (WPI president before President Cranch) used to say, a student should have the technical background as part of a complete package. Liberal arts is not really liberal arts without some knowledge of technology."

Grogan's personal reasons as to why students leave had to deal with a combination of reasons, including financial difficulties, loss of motivation towards what one really has in mind for the future, and of course there is something that WPI simply cannot offer.

He also stated that in many cases students left for what he felt were the wrong reasons. He added, "It's too bad...they don't realize the opportunities. They can stay here and get a superb background."

Goodwin also felt that the Plan has possibilities of doing more with other

areas, including doing a more detailed study of why students leave. A direct study of this matter has not been done up to now, while studies done previously have indirectly commented on the matter.

There is no baseline for this pilot study, although the results do indicate what some people have been saying for a long time. With this study, it was also shown that of the people surveyed, success was shown through qualities such as self-discipline, competitive spirit, independent action, and self-esteem.

Another point brought up by Dean Grogan was that students in areas such as the social sciences and humanities could really benefit by being one of few in such a program because the faculty is available to such a small group. At another school, for instance, with many social science students, the faculty-student ratios would be much higher.

Whatever may be the case, Dean Grogan says that the school will set up a program for a student that expresses a desire in any of these areas.

But as he also stated, the areas have to be made more visible to students. The survey showed that students left because they are dissatisfied with the narrowness, and one way to hold them here would be to broaden these areas.

...Plutonium victims

(continued from page 3)

micrograms, enough to give you a 1.3 percent chance of getting bone cancer (assuming linearity). With 250 million people in the U.S., this amounts to 3.3 million bone cancers per generation.

"But", you say, "isn't the Pu extracted from the wastes before burial?" Maybe. If so, it would go to either a weapons production plant or a breeder reactor. Suppose that despite of all the precautions taken at the reprocessing plant and elsewhere, 0.1 percent is released into the air as fine particle of PuO₂. Of the 700 kg of Pu that was released into the atmosphere in the atmospheric weapons testing of the '50's, about 6.5 picograms ended up in a typical Bostonian's lung's. By direct proportion, of the 1,200 kg released during the reuse of Pu from the power plants 11 picograms would end up in your lungs. Well, what's the problem, after all the lung cancer dose is 730,000 times this value? The problem appears through a more careful analysis.

For a particle to be inspired and stay in the lung, it must be about 0.5 microns in diameter. Since the density of Pu is 19.3 g/cm³, it would take about 8 million respirable size particles to get one lung cancer dose. What does one particle do to lung tissue? It would expose a small volume of tissue around it

to about 100 REM/day. This would kill some cells and cause some fraction to become cancerous. Thus, while it would take many particles to give you a cancer on the average, one particle is responsible for that cancer. Thus, if 8.2 micrograms produces one cancer on the average, and if each of 250 million americans have 11 picograms in their lungs, a total of $(2.5 \times 10^8) \times (11 \times 10^{-12}) / 8.21$ equals 330 lung cancers will be produced in each generation. For smokers the dose of Pu that would cause cancer is over 2 orders of magnitude lower. If 25percent of the population smokes, the increase in the number of cancers per generation due to the plutonium will be about 13,200. And this will continue for thousands of years because of plutonium's 24,000 year half life.

The above calculations argue a linear dose/effect relationship. The nuclear industry has often implied, if not stated outright, that there is a "safe" dose of radiation. While the effects of low level radiation are still controversial, the Director of the National Cancer Institute has stated that a linear model is presently thought to be appropriate. There is no evidence of a threshold below which no damage is done. There is no safe dose of radiation.

The nuclear fuel chain has many examples of faulty regulation by government, of corporations leaving their wastes for someone else to wallow in, and of the resultant dangers to health. Let me cite two.

Uranium is obtained by pulverizing the ore in mills and chemically extracting it. The "tailings" remaining have been left in huge piles near these mills. These tailings release radon and thorium. Comey has estimated that over their life-time, these tailings will cause 13 million cancers, if 1090 reactors operate for 30 years. A responsible corporation would dig a pit and bury these tailings. A competent government regulatory agency would see that the corporations in fact did this. What happens? The piles are left above ground, contractors use the sand to make 8000 homes, people in those homes seem to have a higher rate of birth defects, and when researchers' preliminary results indicate this may be true, their funding is cut by the Atomic Energy Commission.

Uranium and plutonium (for operating reactors or making weapons) can be recovered from spent fuel rods through reprocessing. The rods are cut up, dissolved in acid and the U or Pu extracted. If a reprocessing plant isn't as profitable as a corporation wants it to be, it simply declares bankruptcy and leaves the mess for someone else. For example, Getty Oil left its West Valley reprocessing plant and now New York State has to pay about \$0.1 to \$1.0 Billion to clean it up. If this is not done quickly, the acid wastes will eat through their containment and pollute the nearby waters.

Before concluding, I would like to point out that utility companies are carrying only enough coverage to pay for about 3 percent of the \$17 Billion worst case property damage estimated in 1964 by the Brookhaven National Laboratory. Once their coverage of \$495 million is exhausted, the government will kick in up to \$65 million more. After that, according to the Price-Anderson act, the U.S. Congress will investigate and take appropriate action. Thus, the cost of a full scale accident would be borne by the taxpayer, a hidden cost of nuclear power. With these artificial limits on their liability, utility companies, as well as component manufacturers and plant designers, have a much smaller motivation to ensure safe operation. A review of nuclear plant operating records reveals multiple components failures, operating while safety systems were known to be inoperative, and other events which might be prevented if the corporations could be held liable for the full damage.

Nuclear power kills and maims. So do other forms of energy production. Some are willing to accept the risks because the benefits seem to outweigh them. I do not think this is true of nuclear power now. It may appear that

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...Nuclear

(continued from page 15)

way because we are amortizing the risks and expenses over many generations. These generations will suffer the effects of our wastes and will receive no benefits. Let us stop producing these wastes and find a better place for them than nuclear warheads.

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If you are interested in learning more about nuclear power or renewable alternatives, contact the Central Mass Safe Energy Project at 151 Pleasant St., 753-6424. If you are interested in the Health effects of radiation, nuclear power, or nuclear weapons, contact Physicians for Social Responsibility, P.O. Box 547, Turnpike Station, Shrewsbury, 01545. If you are

...Indoor soccer

(continued from page 10)

serve their fate. Obviously cheering for the underdog H.C. White team, WPI loaned out some of its force to them with surprising results. Holy Cross struck first in the game and eventually went on to a 4-2 victory, sending WPI to the playoffs in as dramatic a game as the USA Hockey team's victory over the Soviets.

The other division was narrowed to its two playoff teams with Nichols and Holy Cross Purple gaining the honors. By a flip of the coin, Nichols met Clark

especially interested in stopping nuclear weapons, contact Mobilization for Survival, 601 Locust Walk, Philadelphia, PA., 19104.

If you want to form a student group opposing nuclear power, contact the Student Coalition Against Nukes Nationwide, RSO 498, Student Union, U. Mass., Amherst, MA, 01003.

The Trident silent protest will be held on Saturday, April 26 from 9-12 in Groton, Connecticut. This vigil will protest the launching of the second Trident Sub and its 408 warheads, all under control of one man.

On April 26 there will be a march on Washington, D.C. This march will ask for a stop to nuclear power, zero nuclear weapons, full employment, safe energy, and honoring native American treaties. People can contact the Safe Energy Project for details.

in the first semi-final game and stuck out a 1-0 win to advance to the finals. WPI, meanwhile, went the tough route again, falling to a 2-0 half-time deficit before erupting for a 4-2 win over Holy Cross purple. Mick Nallen, Dave "Pear Tree" Partridge, and "Kraffy" Kevin Murray (2) all ripped the twine for the winners.

The stage was set. The finals boasted two teams, playing before a gym full of wild, frenzied fans, both wearied from their previous four games, both going for the gold. The dual was a hard fought, scoreless battle, thanks to the spectacular goal tending of WPI's Jimmy "Bonehead" Eilenberger, until a winner was finally decided. With less than 3 minutes remaining in these action packed finals, who else but Turkey's pride and joy, Gazanfer Namoglu, booted home the game winner. WPI was the victor.

As a reward for their efforts, the WPI "comeback kids" were presented with a huge championship trophy and 1 (yes, you read it right) one free beer each from Leo "Head A" Kabbi. Leo, by the way, was ineligible for the tournament as were all seniors, but his support was greatly appreciated. Coach King seemed to take the victory right in stride but one couldn't keep from noticing his enthusiasm over his team's victory. All that's left now is anticipation for next year and hopefully at least as good a season as the past.

...1996

(continued from page 3)

start taking charge. So, are there any takers?

I was thinking about it. 1996 would probably be a great time to be president. By then the hostages will have been released. There won't be any more oil so we can begin shafting the Arabs again. Particle beam weapons will have made nuclear missiles obsolete so we won't have to worry about SALT. The ERA will have been passed. And people will have become responsible enough to practice birth control so abortion will not be an issue. I think.

Then, maybe the most important time to take charge is now. When you really come down to it the man who becomes president next November is not the one who is going to make all the difference. He will make some of the difference and so will the people of this country. The thing to worry about most during this election campaign is not where the candidates stand on the issues. That's important, but it's secondary to where you stand. If you feel strongly about something say something, but more importantly, act. The problems of this world will not solve themselves in the next sixteen years and it will be at least that long before you can throw your hat into the ring along with all the others.

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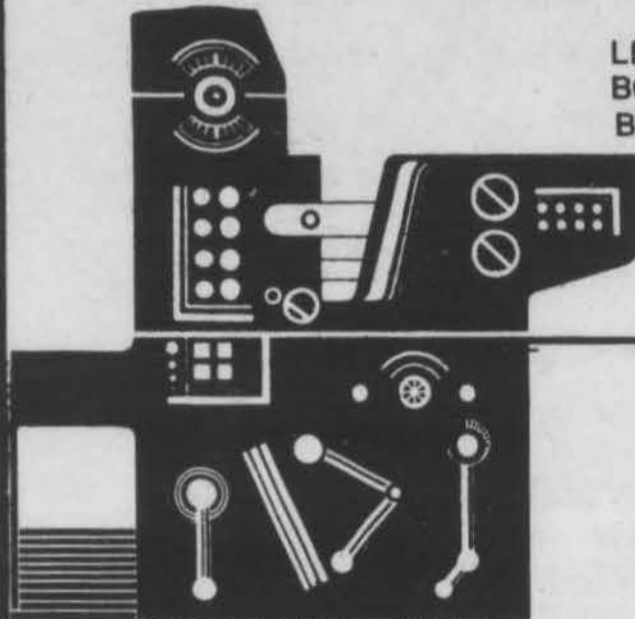
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