

# Whitney Houston, In Concert

by Monte Kluemper  
and Birgit Michaelis

Last Monday a sell-out crowd packed the Centrum to see Whitney Houston. Try as we might, we could not get backstage to do an interview. We did, however, manage to find out bits and pieces of the twenty-three year old singer's personal life from her cousin, Kevin Shelton.

"She doesn't answer questions about her personal life," started Kevin. "It's like what happened to Judge Ginsburg when he admitted to smoking pot years ago. The media pulled him down. Whitney likes her privacy. She wants to be known for her singing."

Jonathan Butler came on stage as Whitney's opening act. Among other songs, he sang "Lies", a top 40 hit. He also demonstrated unique guitar playing and a charismatic personality that insured the audience was well motivated for Whitney's perform-

ance.

When asked how Whitney got started, Kevin explained, "actually, the whole family is engaged in the music business. Like me, I do public relations work for a gospel recording company. Many of her relatives, though, work with her on tour. For instance, her father, John, takes care of the money that comes in." Kevin pointed out other family members at various times during the show, including Gary and Michael, Whitney's brother and step-brother respectively, who sing backup for her and were introduced during the show.

While the band was setting up, we found out why we couldn't get an interview. Whitney was leaving Worcester right after the concert. She was to be in New Jersey, her home state, for a concert the next day (Tuesday). Then to Australia on Wednesday, Japan

later in the week, and in Europe by next week. While the touring sounds strenuous, the family considers it "more like a picnic, a chance to do a little traveling, do some sight-seeing, and be together, and all on Whitney's bill," says Kevin, laughing.

As Whitney came on stage, the lighting effects started, perhaps, the best part of the show. Not that her incredible singing talent was absent, but the songs were drawn out. With the exception of the last song, "I Want to Dance," the numbers were incredibly slowed. Even her other four number one singles dragged.

Nor am I suggesting there was nothing out of the ordinary; unless you consider singing love songs to a teddy bear, literally yelling at a couple of girls, telling them that they cannot dance with her bodyguard, Rick, and

handing no less than thirty roses to some mysterious hand that appeared from below the back of the state ordinary. Actually, what, at first, appeared to be a return of "Thing" from The Addams Family was, in reality, her good friend Robin, whom she has known since childhood. She also gave the audience a lesson in gospel music by singing a gospel song and explaining what it meant to her. She followed that up by toasting the crowd with a glass of iced tea.

Overall, Whitney displayed incredible energy but lacked sufficient quality material to give her audience their money's worth. I should expect to see her concerts improve as she is able to incorporate better material.

# Newspeak

The Student Newspaper of Worcester Polytechnic Institute

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**GREAT AMERICAN** AMERICAN  
**SMOKEOUT** CANCER  
SOCIETY

TAKE A BREATH  
ON NOVEMBER 19

## Masque Presents Cloud Nine

by Jon Lamkins

November 19-21, 1987 Masque presents Caryl Churchill's *Cloud Nine*, one of the most sexually explicit plays of our time, with powerful, comic statements about every sexual preference. A powerful and sexual play, *Cloud Nine* uncovers the pressures and malformed tendencies of a family and friends isolated in the jungles of Victorian Africa. Their backs straightened by their love and dedication to the British Empire, they fight battles with emotion, sensation and strangled relationships. The setting then shifts to present day London twenty five years later where most of the same characters contrast today's sexual freedoms with the stringent beliefs of the late 1800's.

Tickets are \$1.00 with a WPI I.D. and \$2.00 for all others. All seats are reserved and tickets may be purchased at the WPI box office the week of the performances, beginning November 16th from 11:00 a.m. till 1:00

p.m., or at the door prior to each show. The traditionally low ticket price is designed to make theatre available to all.

Masque's tradition of selling related refreshments, which began during last year's production of Tennessee William's *A Street Car Named Desire*, continues during *Cloud Nine*. Theatre-goers may snack on such items as cucumber sandwiches and trifles in the Cafe while enjoying the original live music of Lee Lopes and Brian Freeman. Latecomers and overfill people will still be able to enjoy the show through a video link in the Cafe.

The doors open at 7:30, the performance begins at 8:00. *Cloud Nine* is directed by Prof. Susan Vick, produced by Caleb Warner and Rob Everton, and stage managed by Tom Balon. Victorian and contemporary costumes have been designed and constructed by Jeanette Garment Design and Construction of Springfield, MA.

## Parent's Day Banner Disappears

by Nancy Hunter  
Assistant Dean of Students

Parents' Day '87 was held on Saturday, October 31. Over 725 guests were on campus enjoying the days' activities which ranged from "mock-classes" to a game of Simon Sez!

Unfortunately, amidst this wonderful celebration, the Parents' Day Welcome banner was "removed" from the West Street bridge at approximately 4:30 p.m. This is a most unfortunate occurrence since so many parents can enjoy the sign as they drive onto campus and now, only a few are viewing it. Not to mention a sign of that size, custom

made, has significant value.

It is hoped that individuals knowing the whereabouts of the "Welcome Parents" banner will notify the possessor of its value and suggest it be returned to the Dean of Student Office, no questions asked.

This banner replaced last year's which was damaged due to improper storing. The banner should not be rolled up.

So hey, let's see some school spirit; help the dean of Students out by returning the banner used to welcome your parents!

## SATs -- Are They Worth Anything Anymore?

by Gary M. Pratt  
Newspeak Staff

The current average Scholastic Aptitude Test (SAT) scores are out for the freshman class: 560 Verbal and 670 Math, for a combined total of 1230. True, these scores are not at the level of MIT and some other colleges, but in their own right, they are impressive. The question is, however, do they really promise future success for a WPI student or are they just impressive feathers to strut around with and display?

According to Robert Voss, the Executive Director of Admissions and Financial Aid, the better determinate of future success at WPI is held in the students' High School record and not in the SAT scores at all.

Each possible aspect that could give any indication of future academic performance is given a certain weight factor by the Admissions office, and then all are plugged into an equation. The factor with the highest weight is the students' High School record. It has a weight factor of about .5, while the SATs, both Verbal and Math, have around .1 as their weight factors. The math Achievement score contributes more to the equation than the

SAT math score.

The ironic part is that the SAT scores count so comparatively little, but are believed by the public to be measures of the worth of the college's academic program. It comes down to the public comparing other colleges' scores with WPI's, and a combined average of 1230 looks a lot better than a 900. But is a 1230 a better indication of a college student body than the fact that 90% of the present freshmen class ranked in the top fifth of their class in High School? The latter should be the fact that catches a prospective freshman's eye and not the high scores of the SATs.

Voss would like to see WPI move away from the SATs, and is exploring the possibility of removing the SAT scores as a method for determining admission to WPI. The switch is not going to be immediate and is still very much an idea to be played with, but the fact remains that the SATs really play little part in the determination of the future skill of a student and could easily play no part.

## Humanities Awards Competition Opens

Competition for the Class of 1879 Prizes for 1987 is now open. The competition recognizes outstanding work in the Humanities by awarding three prizes of cash and certificates for outstanding Sufficiency Projects completed during any term in 1987. Interested students should submit single copies of their Sufficiency Projects to Professor Bland Addison, Salisbury Laboratories 02, by December 31. Cover letters (with WPI Box Number and the title of the Sufficiency essay) should be attached.

The Class of 1879 Award, surpassed in longevity only by the Salisbury Award, is the second oldest award conferred at WPI. As its title suggests, the award was established by the Class of 1879, and was originally based on an essay contest in "a broad area of interest." After a period of years in which the competition was dormant, the award was reinstated in 1983 to honor exceptional Sufficiency projects.

Each year the Department of Humanities

establishes a committee to promote and oversee the competition. This year's committee consists of three members: Bland Addison, Assistant Professor of History (chairperson); Kent Ljungquist, Professor of English; and David McKay, Professor of Music.

Last year over thirty-five entries included submissions from all disciplines in the Department of Humanities. The winners included an entry in musical performance, one in drama-theatre, and an interpretive study that drew on a background in literature and history.

This year, up to three cash prizes will again be awarded, and students who feel that their Sufficiencies are of prize-winning caliber are strongly encouraged to submit their essays. Any Sufficiency completed in C, D, E, A, or B Terms of 1987 is eligible. Presentations to the winners will occur at an awards ceremony to be held in the spring.

## West Coast Snowman



NEWSPEAK STAFF PHOTOCHRIS PATER

Lisa Holm, from California, and Meghan Taylor, both of Stoddard C, put last Wednesday's snowstorm to creative use by creating a Western-style snowman.

## TAU BETA PI

Freshman Tutoring

Sunday - Wednesday  
8 - 10 pm

Lower Wedge

## EDITORIAL

### Getting the Most For Your Money

When most people think of a college education they consider what must be required for graduation. Here at WPI we consider this to be fulfilling the distribution requirements for each major and completing three projects. For minimum graduation requirements, students will pay in excess of \$40,000 in tuition. This is a very substantial investment that should not be taken lightly.

Students should take advantage of every opportunity to learn and gain experience with this type of investment. Each year WPI offers numerous programs that can extend a student's education immeasurably. Of course there are student activities and sports in which many of us participate, but there are many other items that can broaden the scope of learning. WPI offers many seminars and hosts many guest speakers. These programs offer something for every interest. Students should take advantage of these events.

Too many students at WPI simply fulfill the requirements for their major and graduate with knowledge of their field. Their experience includes very little of other types of education that may make a difference in their lives. Taking advantage of a seminar at the counseling center may help a student form better study habits or manage time more efficiently. Attending a lecture on a specific topic in engineering may help a student narrow a career choice. Becoming members of a student/faculty committee can be an excellent learning experience. Even going outside the walls of WPI and visiting one of the many museums in the Worcester area can be of great significance.

For the price of tuition at WPI, students should be demanding much more than classroom time. WPI has the programs that students would benefit from, students need only to partake in one of these programs. Participation in even one of the programs that WPI has to offer is a great experience. With so many of them available, students should be grabbing at any chance to get more knowledge and experience for their money.

## LETTERS

### An Open Letter to the WPI Community

To the Editor:

Ten years ago this past September, Bantu Stephen Biko, a young man of great moral and intellectual strength, who is the subject of the new movie *Cry Freedom*, died at the hands of South African "police" during "routine interrogation." I put "police" in quotes because it is my opinion that a government that in deed, and by law, represents only about four million people out of a total of thirty-five million - namely, those with the perverse distinction of having so-called "white" skin - has very little legitimacy. (Perhaps less, in fact, than that of the Soviet Union, which like South Africa's is not freely elected, but which certainly has had some success in providing a reasonably fair distribution of the country's resources and opportunities to the population. If you disagree with this, please come and talk with me). Ironically, right-wing elements in the U.S. and throughout the "West" echo the lies of the South African government by trying to paint people like Steve Biko as "radicals", "militants" or "communists." Biko helped create the Black Consciousness Movement in S.A., not to discriminate against Whites (God forbid), but, like the Black Power movement in the U.S., to teach Blacks that they need not hold themselves subservient to White control - whether in the form of a policeman's club or the well-meaning manipulations of a cocktail-party liberal. Thus, he was tortured and killed - for fighting for the same thing that the Contras of Nicaragua are allegedly fighting for: freedom and justice. Yet the American government gives guns to one group while the real freedom-fighters are being annihilated by the army, police, and policies of the South African state.

This state, and its apologists in the U.S. Congress and elsewhere, would have you think that it is working to end apartheid, their system of legalized racial domination. They end laws against people of different "races" having sex or marrying, and yet make it next to impossible for them to live together; they "abolish" the much-hated "pass laws," which require all non-whites to carry an identification card which racially and hence politically and economically categorizes them, by making everyone carry a pass. But does the state use this pass to harass whites, to imprison them, or to deny them in any way their control of the wealth of the nation? Hardly.

Most significantly, the government is actively pursuing its "home-land policy," in which black "tribal groups" are "permitted" to "return" to their "traditional homelands" in order to enjoy greater "security" and "autonomy." In reality, the whites of S.A., who own all the land and only permit blacks to live on about 13% of it, are forcing Blacks to remote,

poverty-stricken areas in which food and work are hard to find and people are at the mercy of even greater oppression, either by the White government or those relatively few Blacks who collaborate with White policies in return for money and privilege. The government is even depriving many Blacks, like the South African student studying at WPI, of citizenship in their own country under the guise of letting the "homelands" (which used to be called "bantustans," an euphemism for "niggertown") for independent nations (!). Clearly, the White minority of S.A. is engaged in a conscious and ruthless effort to implement Grand Apartheid, a system of total racial segregation and domination (like the one existing now) in which the majority of blacks live out of sight and out of mind in nominally independent territories. This enables them to be completely controlled, exploited as cheap labor by both S.A. farms and companies and foreign-owned corporations (e.g., from Israel and Taiwan already), prevented from organizing and progressing, and hidden from the eyes of the world (as is already occurring through the comprehensive censorship of news releases; this forces such august institutions as the *N.Y. Times* to either play by the rules or risk seeing their correspondents get kicked out, and it is clear from their lack of real coverage whose rules they have chosen to play by).

In conclusion, if you think there is something inconsistent in American foreign policy which the realities of international competition do not justify; if you think that all men and women are brothers and sisters, and that the convenience of a staunchly anti-communist ally in Southern Africa whom we can depend on for cheap raw materials is not worth the sea of blood, both Black and White, on which it is built; or, if you disagree with this and are willing to talk about it, please get in touch with me. WPI, and Worcester in general, need a core of interested people who are willing to work toward the education of the whole community on the realities of South African life. Options open to us include: (1) activities like talks, debates, and films; (2) efforts to influence our Congresspeople's votes on sanctions and other relevant matters; (3) investigation of ties between Worcester-area corporations and universities and the South African economy; and (4) for WPI students, South African studies as a means for satisfying the Humanities sufficiency or IQP requirement. It is all up to you.

Marc E. Rose  
Math Department

## LETTERS

### The Choice Is Ours

To the Editor:

The two letters to the editor in the 3 November 87 issue of *Newspeak* summarize concisely the problem and the hope of all humankind; quite a feat for a weekly college newspaper.

The utter despair in Milton Roussel's letter, pointing to the reality that even a Nobel Peace Prize to President Oscar Arias of Costa Rica will do little in itself to bring an end to the violence and destruction in Central America unless the involved superpowers take a more active role in the Peace Plan, is a lament we all need to keep before us as we live our lives in a country that continues to fund violent options over negotiated settlements. Raise your voice Mr. Roussel and more often! Until we all begin to feel your despair, the violence will only continue.

The enthusiasm in Tom Webler's letter, challenging the engineering community in general and WPI specifically to get serious about using technology to better the existence of lives around the planet and not simply have improvements be fallouts from research as we "build bombs to ensure the peace," represents a radical new way of thinking not only for engineers but for everyone. Mr. Webler is looking into the future and sharing a vision where the technology

that was once seen primarily as a force to destroy, has been replaced by a mode of thinking that looks for ways, using technology, to build relationships between people. It is a vision that, quite simply, we will embrace as a species or we will destroy ourselves; the destructive capabilities of our weaponry have become too great to allow continued violence and survival.

The choice is ours. Will we hear the cries from war torn Central America? Will we begin today to say no to technology that destroys in the name of peace? The two questions are one.

This is the generation that will make a difference and the process of change begins with a personal decision. Remembering that "not to decide" IS a decision, what will our/your decision be?

"The starting point for a better world is the belief that it is possible. Civilization begins in the imagination. The wild dream is the first step to reality. It is the direction-finder by which people locate higher goals and discern their highest selves." -Johann Wolfgang von Goethe

Gary A. McCaslin  
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## Newspeak

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## Letters Policy

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

The editors reserve the right to edit letters for correct punctuation and spelling. Letters to the editor are due by 9:00 a.m. on the Friday preceding publication. Send them to WPI Box 2700 or bring them to the *Newspeak* office, Riley 01.



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## LETTERS

## Calendar Changes?

To the Editor:

I feel compelled to respond to Chryse Demetry's letter regarding term length, a letter which is representative of the deep conservatism and lack of imagination which seems to dominate educational discussions at WPI and which is very damaging to WPI and to hopes of improving educational quality at WPI.

Yes, the principal reason for 7-week terms is to support project activity. But projects are about 15% of an average student's academic activity over four years at WPI. If the 85% which is coursework is suffering significantly in comparison to what would happen with 14-week semesters (and many believe that the evidence for lower educational quality in 7-week courses is compelling), then we have a classic trade-off situation and the issue needs to be considered in that light.

It is by no means obvious that projects would suffer in a 14-week system; they might well improve. It is important to project quality that a project occupy a significant fraction of a student's time (now 33% under 7-week terms). If we were to adopt a 14-week semester system with a full load being four courses (not uncommon at other institu-

tions), qualifying projects would be 25% of a student's load over a full year. Would the change from 33% to 25% be significant? Some projects would certainly be done as 50% of a student's activity over a single semester. Is not 50% better than 33%?

The impact on project centers is also by no means obviously negative. Most colleges find it possible to allow students to spend a semester abroad or a semester in Washington, D.C. WPI should be no different. Project center projects done full time for 7 weeks are generally of high quality. Would the quality not be even higher if they were done full time for 14 weeks? For the bean-counters, the additional credit could be assigned to the social science requirement and/or the humanities sufficiency.

Note that I am not necessarily arguing that WPI should change its calendar — there are other issues not yet mentioned. The point is that for debate and discussion to have a positive effect, a modicum of open-mindedness is essential.

Thomas H. Keil  
Professor of Physics

## English As A Second Language

To the Editor:

As a senior, I can safely say that I have had many teachers in my stay at WPI. I can also say that, with few exceptions, my least enriching academic experiences have been with foreign teachers and teaching assistants. I am not addressing those with simple accents; nor am I prejudiced, for we all are foreigners one way or the other. I am addressing those teachers and teaching assistants who lack even the most basic fluency in English. This is an academic shortchanging, both for the students involved and the school

that employs these teachers. I propose that an oral English exam, in addition to any other prerequisites, be needed for teaching, even at the assistant level. This test would examine not only grammar, but also the ability to pronounce words clearly. I hope to eventually come up with a proposal for the administration. I would appreciate any questions, comments, concerns, or specific proposals that you may have.

John P. Drazek, '88

## COMMENTARY

## My View From the Fourth Year

## Toss the IQP Too

Joshua Smith  
Newspeak Staff

It is with careful consideration that I have decided to continue what is being called my "Get Rid of What's Left of the Plan" series. After seeing the responses invoked by my last two articles, I have decided that a third couldn't hurt. I want to make it clear, however (primarily to put an end to the death threats...), that the views presented here merely represent one point of view. I may convince you of what I say, but more likely I will just make you mad. Either way, nothing significant has happened around the school for the past few weeks, and I have to write about something. This week's thesis: get rid of the IQP. It can't do what it's supposed to, so why waste our time?

The goal of the IQP, put simply, is to make students care. The undergraduate catalog has several paragraphs which spell out the specific subgoals of the program, but the basic idea is simply to make students care about social issues. The computer science department (and as far as I can tell, ONLY the C.S. department) has some doubts about the effectiveness of the IQP, and has instituted a specific course requirement: "Social Implications of Information Processing." The other departments assume that the IQP will make students socially aware. Hence, they can spend their time teaching their own specific disciplines. I contend that the IQP cannot make students socially aware; I base this argument on some fundamental observations about human nature.

People can be grouped into three levels of social consciousness: the Truly Aware, the Wanna-be Socially Unconscious, and the Realistic Socially Unconscious.

The Truly Aware are rare. They are the people who are so concerned about world poverty that they join the Peace Corps. They are the man who was so committed to the cause of non-involvement in Central America that he sat on the train tracks in front of the weapons facility. They are people who are so sick of man's destroying the environment, that they move to the Canada wilderness and live off the land, shutting out society altogether. These people are rare enough in a normal environment; the chances of finding one at an engineering school like WPI are

close to nil. We needn't consider these people.

The Wanna-be Socially Unconscious are everywhere and they make me sick. They are the girl who is brought to tears talking about pollution, and then will drive around the block to pick up an aerosol can of hair spray and some Drano for the sink. They are the busy executive who will give to the United Way as soon as he checks with his accountant to see if it's deductible. They are the man who protests a chemical company on the weekend, and works as a strip miner during the week. They are the epitome of hypocrisy. Most WPI students fall into this category.

The Realistic Socially Unconscious tend to be rather conservative, and although they are not the world's best people, they are true to themselves (I like to consider myself a member of this group). These are the people who know that all the creature comforts which they enjoy must be harmful to something natural, but they don't care. They are the man who throws his beer can out the window of his gas guzzling car, because he knows that workers from some prison camp will be out to clean up the highway eventually. They are the woman who wears the fur coat because she likes it, and then changes the channel when she sees those awful "Save the Baby Seals" commercials because she doesn't like people trying to make her feel guilty. They are the people who give to the Lion's Club representative outside the bank because they want a tootsie roll. As I said, these people are not the world's greatest asset, but at least they know what they think and don't try to portray their feelings differently out of guilt or to please other people.

When the Plan was developed, there were a lot more of the Truly Aware types around. The developers felt that they had a social obligation to try to reform the Unconscious types. They established the IQP. They were concerned that it was too easy for engineers to just do their jobs without any consideration of the social impacts of their work. It was a well-motivated, but unworkable idea. In today's society, there is no place for the Truly Aware engineer. Engineering is a technical discipline which does not lend itself to social consideration.

The IQP promotes the hypocrisy of the Wanna-be Socially Unconscious sect. It takes people who are already in this category and gives them more fuel for their double-talk: It tries to take the Realistic Socially Unconscious and "upgrade" them to the Wanna-be stage. Social Consciousness cannot be taught, it must be felt. Either you have it, or you don't. If your gut feelings have led you toward the Engineering disciplines, then you haven't a chance of changing. Engineers must learn to live in an environment of social depravity; all the IQP can teach is, "what you want to do with your life is bad." That's not constructive.

Some students do their IQPs at the Washington Project Center. What a great idea: put students in the middle of one of the world's greatest hotbeds of hypocrisy, and hope they learn to be better people. True genius. Some students go abroad to do their projects. These students often come back with grandiose thoughts of social responsibility, and then spend the next few years complaining that the United States is inferior to the rest of the world in the social realm. Not exactly the engineer I would want to hire; you might as well stamp "bad attitude: rejected" on your own resume.

The best IQPs tend not to be real IQPs. They are technical in nature and have little or no mention of real social issues. The students who tell prospective employers about their IQPs are those who think it might help them get the job. Imagine telling an interviewer, "My IQP involved studying the degrees to which various large computer firms are polluting the atmosphere. Your company came in second, by the way. Congratulations." Take out the "Bad Attitude: Rejected" stamp.

Like the Competency Examination, the seven week terms, and the Sufficiency, the Interactive Qualifying Project was a neat idea doomed to failure. It was the product of an idealistic group who failed to take some fundamentals of human nature into account. The last thing this world needs are a bunch more Wanna-be Socially Unconscious, and the school should cut its losses while it can.

## COMMENTARY

## IQP Insights

## A Patently Worthwhile Experience

by Robert A. Petrin  
Newspeak Staff

The "Patent Office Group" was the third of four student project teams working on IQPs in London during D Term 1987. Sergio Levi (EE '88), Robert Petrin (PH '88), and Andrew Scholand (ME '89) completed their project "An Evaluation of the United Kingdom Patent Office Search From the User's Point of View" during their seven weeks at the United Kingdom Patent Office (UKPO) in the Holburn district of London. The project was related to English government studies and legislation to transform the UKPO from a "civil agency" to a private one. The intent was that the UKPO, as a private agency, would be more competitive with the newer multi-nationally focused European Patent Office (EPO), whose advent was the root of much scrutiny of the many national patent offices throughout Europe, including the UKPO.

A patent is a contractual agreement between an inventor (whether an international corporation or private interest) and the government in which the inventor is granted a temporary monopoly right to his new idea or process in exchange for the release of his new ideas and innovations into society. This society then benefits from the increase of available technical knowledge, and the inventor is now armed with what is a potential business tool.

The actual "patent search" performed by a patent office is often considered to be the singularly most important step in determining the validity of the patent. The search is the actual comparison of the application to prior research, inventions, and knowledge in the related field to determine if the application genuinely represents a new discovery. Effectively, it is by this "patent search" that the quality of a patent office may be judged.

The identity of the national patent offices

is of particular significance after the EPO was established in 1980 as a new bureau that has the power of granting patents that are simultaneously valid (at the discretion of and expense to the applicant) in up to 12 EEC countries. The UKPO was interested in gauging customers' overall satisfaction and evaluations of their search, and could use such tools to further define the role they should undertake as a private agency.

Andrew Scholand pointed out "the key word in discussing the preparation for our project was 'education'. 'Patients' are just not the kind of things that we've been exposed to in course work at WPI - it was a totally new area for the group. The flexibility of the WPI education was key since we were used to learning on our own, in a project environment, and rather quickly. In a few week's time, after starting from ground zero, we had to be able to "get up to speed" and converse with experts and practitioners in the field."

In order to complete the evaluation of the UKPO's search we spent our first few weeks at the agency learning about the philosophies, perceptions, and pitfalls of patent systems. Our next step was to conduct a series of in depth, personal interviews with London patent lawyers (or "patent agents"). Agents were asked various search-related questions to probe their perception of the UKPO against the "European standard", the EPO. These results were then subjected to a qualitative analysis to determine unseen strengths and weaknesses with the UKPO search, and to elicit information which would be the foundation of our recommendations to the agency on how to improve customer satisfaction with the search.

Sergio further explained some of the further aspects of the project methodology: "...[then] instead of just reading about the

techniques and philosophies of the EPO, we established contacts, and upon receiving an invitation, planned a trip to the Searching Office of the EPO. We had proposed ideas and supportive information from our work in England and took them to The Hague. This gave our project a feature we hadn't anticipated and it suggested many ideas we wouldn't have gotten if we had just limited our work to that done in London. None of the previous studies by the UKPO included this EPO slant or information expedition. As a result, when we returned from Holland, people were very curious about the information we had gotten." Interviews with patent agents in Holland from various sectors of the economy provided still another view of the changing roles of national patent offices and the weaknesses of the EPO.

Andrew went on to explain how the IQP, as a project, exceeded his expectations. "When I first came to WPI, I had kind of thought as the IQP as the little guy in the Tree Projects System. A lot of schools have a minor and a senior project but the IQP is not something many other schools have, the whole idea of solving a problem outside of your major area of study...[in doing your IQP] you really have the most free reign of the Three in addressing your topic. You have to define your limits and then get your sources and make your contacts. I've developed greater confidence in my abilities to function as an engineer and a problem solver."

Sergio described the students' reception at the patent offices and with patent agents: "On our first day at the EPO in Holland we had to give a briefing before our contact there, his superior, and one of their colleagues - we had to point out our goals and explain, on the

(continued on next page)

# IQP Insights...

continued of from page 3

spot, how our EPO research would contribute to our study...it wasn't a suspicious, but an extremely professional attitude...even before speaking with some of the patent agents, we had to explain our goals...they were giving us an hour of their time that they'd usually get paid [quite well] for...but because we were 'students' I think that they relaxed and we were able to obtain information that might not have come from our in interviews with regular UKPO staff. [The staff at the UKPO] were so open to questions and to exchange opinions...it was an eye to eye type of exchange. We were treated like colleagues. The people at the UKPO were just amazing."

The final recommendations to the sponsoring agency were delivered to the UKPO in the form of a written report and a final oral presentation before several senior examiners and the Assistant Comptroller of the Office. They were designed to be easily implemented without tying up limited operating funds at the UKPO.

In completing our IQP in London, we not only had the experience of learning first hand about a totally new discipline in science and technology, but also enjoyed working and interacting with people in different national societies. As Scholand had once said, because undergraduate cooperative opportunities or programs in the UK are limited if not non-existent, the agency wasn't really able to form a lot of preconceived notions about the IQP. As a result, there was no real "pigeon hole" for what the IQP could produce. As partners in the IQP experience, we were able to offer a new and unbiased perspective on a problem facing our agency, and they provided us with the means for what we enjoyed as an outstanding opportunity.

# The Earth and WPI

## Earthkilling

by Karen Cyr

WPI graduates are among the most influential people on earth. Most join large corporations, some become officers in the military, others continue their pursuit of knowledge then return such in major universities, and a few become Peace Corp volunteers and, astonishingly, independent farmers. We are all striving for that degree, a drive that is motivated by caring. We want to leave our mark when we die (and have something for ourselves between now and then).

But what mark, exactly, will we be leaving? Nuclear reactors dot our land like running sores on bare flesh. Half of humanity is malnourished or outright starving due to political and economic inequalities. The oceans have ecosystem damage, growing at a geometric rate, where once we thought them

so vast as to be inviolate. Large corporations buy out tracts of rich farmland, carelessly strip the soil, then collect tax credits for losses.

Others are killing the earth and shortly we may be joining them. Is this really happening, and what do our careers have to do with it? In a way, WPI has recognized and dealt with this in our extraordinary education plan, especially the IQP. We are also one of the few campuses to have a chapter of Student Pugwash, Albert Einstein and Bertrand Russell's brainstorm to empower scientists with a voice in world affairs.

WPI students have tremendous potential. Nobody is in a better position to wrest with Earthkilling and deter it effectively. If we can't do it nobody can.

# ASK Q:

Q: What's the deal with the copying machines in the Library? Isn't it about time they did something about the long lines? Do they really believe that the new copier on the lower floor is the answer to the problem? Why don't they do something smart like implement a 10 or less only copier. I know it has been suggested before.

A: The function of the copiers in the Library is to offer the convenience of photocopying to the patrons of the Library. As it currently stands, the copiers at the Library are the only ones on Campus with general student accessibility and the Circulation Head, Mrs. Pomeroy, does not see the possibility of the Library adding additional copiers in the near future or changes in the way the copiers are implemented.

The true problem, however, lies with this very availability. Any student that needs a copier can use the Library copiers whether or not the student needs to copy pages from a text book or make 20 copies of a resume. A viable solution to the problem of the long lines is that WPI establish a place where students can go to use copiers for general purposes, instead of using the ones at the Library. This has been done in the past.

The Library staff is very aware of the problem, and the copier on the third floor was added to aid students that need to copy pages from the journals that are on the lower floors instead of having to bring them up to the other copiers.

Q: What is GROO?

A: GROO is a very humorous comic book about a bungling barbarian in search of cheese dip. It is published by MARVEL comics group, and is well worth reading.

Q: Why is there not a discount rate for ordering ten or more transcripts?

A: Actually there had been a policy for this very thing, except that the continuous rise in the postage rate was one of the reasons why the Registrar's office discontinued this option. Although it does seem that the time spent to make a transcript is all in the pulling of the students' records and making additional copies on the copier, it is not really true. The additional time spent on validating the extra forms and making the mailing envelopes has a bearing on the cost which is passed on to the students ordering the transcripts.

# Rubes® By Leigh Rubin



Bachelor number one didn't win.

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AMERICAN CANCER SOCIETY



by Carlos M. Allende



**OAC** *WPI Office of  
Academic Computing*  
**Newsletter**

appearing in *Newspeak* Volume 15, Number 24, November 17, 1987

AT&T 6300 PC  
Tutorial Schedule for B-Term  
by the Office of Academic Computing

All classes are offered in the PC Classroom, Higgins 221,  
from 11:00 to 12:00

- Tue Nov. 17 Turbo Pascal v. 4.00, Advanced
- Wed Nov. 18 Turbo Graphix Toolbox v. 4.00
- Thu Nov. 19 PC-File+ v. 1.0, I
- Fri Nov. 20 PC-File+ v. 1.0, II

- Tue Dec. 1 ExpressCalc v. 2.10
- Wed Dec. 2 Gem Draw Plus
- Thu Dec. 3 Kermit

- Wed Dec. 9 8 Useful Public Domain Programs
- Thu Dec. 10 Useful Hard Disk Commands & Utilities

Note: Handouts are available for most of the classes.

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## Students Must See Relevance to be Motivated

(WPI News Service)--Technological literacy and its importance in American society will be the topic of a talk by Leonard Waks, professor of science, technology and society at Pennsylvania State University, at 5:45 p.m. on November 20 in Salisbury Labs.

The lecture is sponsored by a grant from the GTE Corporation and is free and open to the public.

Waks is a prime mover in the technological literacy movement. He will present the controversial argument that the best way to teach technical subjects is to first demonstrate the social implications of technology and science. Students must first see the relevance of technical subjects to be motivated to learn about them, he has argued in the past.

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*8:30 p.m.*

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## Whitney Houston A German Perspective

by Birgit Michaelis

"Isn't she lovely..." ...der Saal tobte und herein kam bzw. wurde sie getragen. Wer ist sie? Sie ist 23 Jahre alt, wunderschön und ca. 40 Millionen Dollar wert. Das Herausstechendste ist jedoch ihre Stimme, die ein Publikum in jede Stimmung versetzen kann. Whitney Houston! Wochenlang hatten die Bewohner von Worcester, ja ganz Massachusetts auf diesen Moment gewartet. Das Konzert war innerhalb von 6 Stunden ausverkauft gewesen. Nachdem das Publikum sich mit Jonathan Butler eingestimmt hatte, der zwar nicht musikalisch überzeugte, aber immerhin ein guter Entertainer ist und sein letzter Song "lies" verklungen war, stand Whitney endlich auf der runden Bühne. Mit ihrem ersten Song "Emotional" versetzte diese kleine, zierliche Person die anwesenden Massen in Euphorie. Leider liess die Spannung während der folgenden 3 Stücke nach, denn irgendwie hatte Whitneys anfänglicher Schwung einen Einbruch. Die erneute Wende kam als sie ein Gospellied vortrug. Das Lied "He" zeigte, welche bemerkenswerte Qualität und Vielfalt in der Stimme liegt, die auf der letzten Platte leider zu monoton klingt. Der zweite Teil der Show Whitneys erinnerte einen mehr an ein Familienfest als an ein Popkonzert. Zuerst einmal sang der ganze Saal "Happy Birthday" für

Steve, ein Bandmitglied. Dann wurde eine kurze Pause eingelegt, damit kleine und grössere Kinder Miss Houston ihre Blumen und Präsente überreichen konnten. Zu guter Letzt fing sie einen kleinen Plausch mit einigen Zuschauern an und stellte sich in Pose, damit jemand ein Photo von ihr machen konnte. Zwischendurch erklangen hin und wieder Lieder von der Platte "Whitney". Als letztes erklang ihr Erfolgslied "I wanna dance with somebody"; und das Centrum tanzte. Die Leute wippten, flippten und tanzten in allen Reihen und als sie von der Bühne verschwand, wollte der Beifall nicht enden. So erschien Whitney nach einer kurzen Pause, begleitet von ihren 5 bodyguards und Bandmitgliedern wieder im Scheinwerferlicht. Als Zugabe zelebrierte sie "Greatest Love of All" und zeigte abermals ihre Fähigkeit die Stimme in schwindelerregende Höhen zu bringen.

Kurz, das Konzert würde ich mit "one and a half thumbs up" bewerten. Diese positive Bewertung entsteht durch die Brillanz ihrer Stimme, die phantastische Light-Show, die trotz Einfachheit eine grosse Wirkung hatte und der Esprit des Konzertes. Die negativen Gesichtspunkte sind fehlende Kontinuität und der immense Kommerz, der diese Show manchmal überschattete.

Friday, November 20, 2-8 p.m.  
Saturday, November 21, 10-4 p.m.

Boston Park Plaza  
Park Plaza at Arlington Street



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The charge is \$5 daily.

## Servants for Sale

Alpha Phi Omega, the National Service Fraternity, will give the students and faculty of WPI a chance to do something good for themselves and others. Today APO Omega will hold its annual Servant Auction in the Wedge at 4:30. Students and faculty may bid on the services of kind-hearted people who have volunteered to be servants. As with all auctions, the servant will be sold to the highest bidder and the servant who is sold for the highest bid of the day gets to choose the

charity that the proceeds of the Servant Auction will go to. Once a servant has been purchased, the "owner" can have the servant perform a service for him or her on Wednesday (of whenever the two can work something out for). This service could be cleaning the owner's room, cooking the owner a meal, or going to a lecture for the owner, for example. So everyone is encouraged to come down to the Wedge today at 4:30 and purchase a servant.

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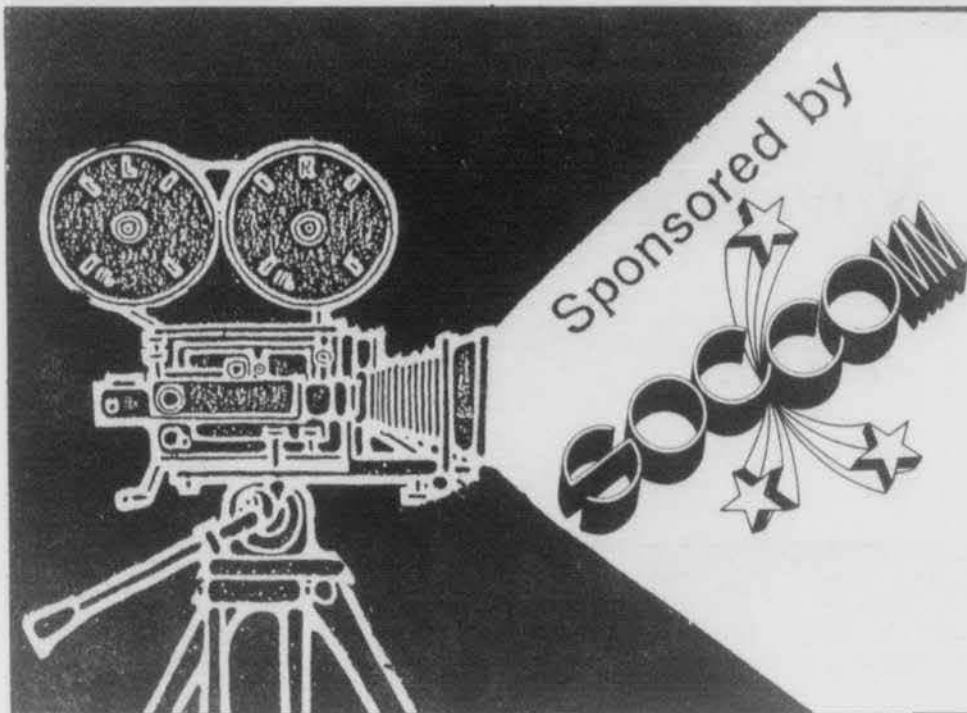
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THE REEL THING

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Sunday, Nov. 22nd, 6:30 & 9:30 p.m.

in Alden Hall \$1.50

**SPORTS**

**Fall Sports Season Wrap-Ups**

**Men's Cross Country (16-1)**

by Jesus Barrio

The WPI men's cross country team powered through 8000 meters of slush, snow and mud to an 11th place finish at the NCAA New England Division III Championships at SMU. St. Joseph's Maine won with 123 points, closely followed by Umass-Boston(133). WPI totalled 279 points, 18 behind 10th place finisher MIT. The Engineers were able to defeat Middlebury College for the second week in a row thanks to an impressive effort by fourth man Dave Berthiaume. However, Berthiaume is 0-2 in waking up on time for championship meets.

Brian Foley, the Engineers' top runner this

season, was first across the finish line for WPI in 39th place. Freshman Carl Benker, inspired by the sight of his blond girlfriend, followed in 49th. Captain Arthur Resca was next in 53rd, adding credence to the theory that it's not the length of the legs but how fast you move them. Bathiaume followed in 83rd, with Phil Williams (88th) being nipped at the finish line by the MIT 4th man for the second time this season. Alan Fosberry (117th) and Freshman Mike Cummings (129th) rounded out the Engineer squad.

Highlights of the race included splashing through a 3 inch deep, icy puddle several



strides wide just 150 yards from the crowded start, and the foot deep snow drift that had to be negotiated (with no socks.)

The biggest disappointment of the season occurred at the end of the meet when nobody noticed Fosberry's shoes heading off for parts unknown, never to be seen again.

The cross country team looks to be even

stronger next year, as they loose no seniors to graduation. The scoring five in the meet included one junior, two sophomores, and two freshmen. Next year the squad, bolstered by the returnees from the Washington Project Center and injury plus the incoming Freshman class, looks to be ranked in New England.



**Soccer (4-9-2)**

by Beth Gliddon

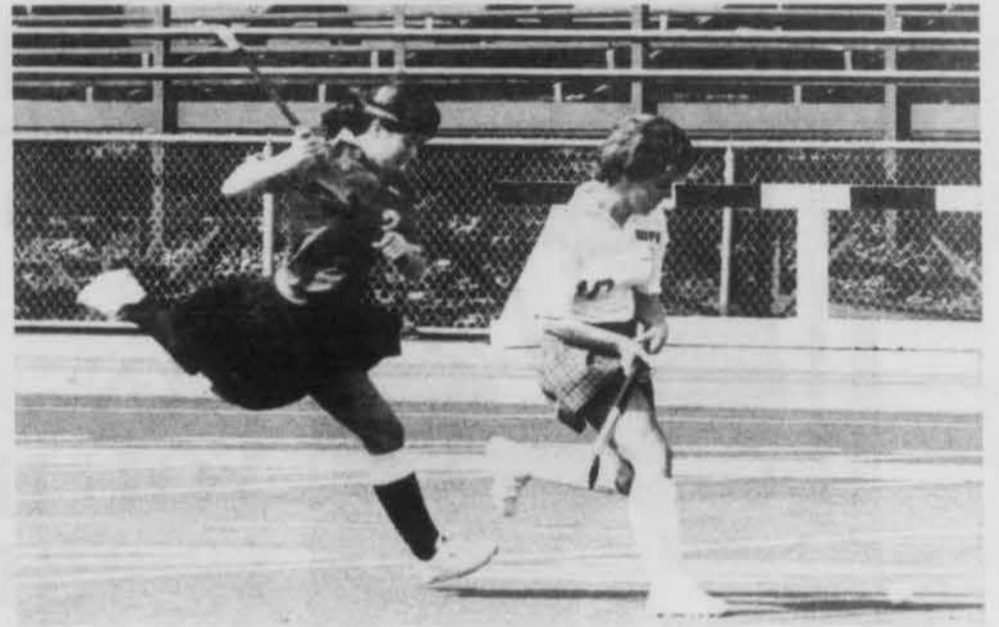
An early season victory over Coast Guard handed Coach Alan King his 200th career win at WPI. The victory was especially sweet for the Engineers; it was the first win of the season and the first time WPI had defeated Coast Guard in two years.

Although the record doesn't reflect it, Coach King said the 1987 team "played a brand of soccer much better than in recent years. They played as a cohesive unit - without any 'star'

players and without any dissension."

He went on to say, "the team had atrocious luck at both ends of the field. Inexperience at goalkeeping and in shooting, and an unusual number of unlucky bounces, led to losses in games which, logically, could have been won."

Seniors Miguel Ferre, Herman Purut, and Bob Russo had outstanding seasons, as did juniors Bill Bennett, Doug Perham, and Rich Tocci. However, every player on the squad saw regular action and gained valuable experience.



**Women's Cross Country**

by Brian Savilonis

The WPI women's cross country team ended its season, finishing 19th at the ECAC III Championships in Stoneham, MA (36 teams entered with 22 complete teams competing). WPI finishers were Denise Crookes (73rd in 20:46), Robin Fontaine (98th in 21:39), Maura Collins (118th), Beth Stefanov (128th), and Nicole Marquis (143rd). Although two of the top scorers were missing (Kim Ayers -sprained ankle and Christine Mikloiche - running the Marine Corps Marathon), the squad felt comfortable with its first

appearance at a championship of this caliber.

With winter almost here, anyone interested in competing indoors for the women's track and field team should see Coach Savilonis (Higgins Labs 123) as soon as possible or report directly to practice at 4:30 (warm up is in the foyer of Harrington Auditorium). The squad has a tentative schedule of six meets. New-comers to the sport are welcome.

**Field Hockey (16-2-1)**

by Beth Gliddon

The Engineers gave Coach Sue Chapman her 100th career victory as WPI rolled through a remarkably strong season. WPI did not lose a game until the season was nearly finished. A frustrating loss to Wellesly in the New Eight Conference tournament on October 31, was the beginning of the end for the Engineers' ECAC hopes. Bridgewater State narrowly edged out WPI for the bid. WPI lost its last game of the

season to Bridgewater State on November 3.

Coach Chapman said, "over all, this is one of the better teams I've seen at WPI. Carrie Nolet and Kim Cloutier played outstanding games at forward and Kristen Baierlein was a strong defender at link. Obviously, Heidi Sellers played well in the goal cage."

Nolet scored 23 goals with 11 assists for a total of 34 points for the season, while Cloutier had 15 goals and six assists for 21 points. Baierlein scored two goals and had five assists.

**Fall Golf**

by Beth Gliddon

According to Coach Mel Massucco, the fall golf team had a "fair season." The Engineers took second place in the "little four" league and third place in the Paul Johnson Cup. Senior Captain Duane DeFabio was the second place medalist in the "little four," while Shawn Bedard earned a fourth place trophy in the Paul Johnson Cup tournament.

Rounding out the fall team were: seniors Rich Wholey, Derk Rogers and Steve Sullivan and junior Tom McMorrow.

**Women's Tennis (0-7)**

by Beth Gliddon

Despite the losing record, Coach Naomi Graves said she's pleased with the fall tennis team. "I've watched them gain confidence and poise oin the court," said Graves. "They still have some things to learn, but they're a very young team. They show a lot of promise."

Players to watch next year include number two freshman Kara McCarty and number five Anna Cushman. Coach Graves said both improved a great deal over the season and will be looked upon next year to provide strength for the Engineers. Junior Deb Blair, plagued by an ankle injury early in the fall, participated in the New Eight Tournament. She has provided stability and leadership as the number one player for three years and is expected to continue the tradition as a senior.



Newspeak staff photos of WPI men and women competing for their school.

## GREEK CORNER

### ALPHA CHI RHO

Several events sparked our house's social life over the past week. Crow's Nest opened largely due to efforts by Fred and Chris. Truly a great idea, which worked out just fine. We all had a lot of fun and are looking forward to the next one. By the way, Jim, how is your head? Greg, you SD! Get the electric razor away from Itch and Jim! No more holy water left in Pete's room. Our annual Barn Blast party went very well, with all the brothers and numerous guests having a great time. On a bit "colder" note, the campout we had with the UMASS chapter turned out to be much more fun than we expected looking at the weather alone. Low temperatures did not keep us from having a great time. We managed to warm up over the fire and some beverages.

Also last weekend we welcomed our national Chapter Consultant, who came over to visit the Worcester chapter and to meet all the brothers at WPI. The visit went well, with everyone having a good time. We hope to welcome John at our house more often.

### ALPHA GAMMA DELTA

Anne, the sink is your friend. Dari, our little girl is growing up!!!! Anyone for a suction thumper? - Slurp!! Maria, the weekends get wierder and weider!!! Kay, a dinner date, too!!! Check your mailboxes - maybe an AGD has a crush on you!?!?

### ALPHA TAU OMEGA

This week ATO would like to thank SAE for graciously returning Greg Pentas' 10 lb pledge pin, which if lost again will result in a massive oral assault on his character. Special thanks to Paul Sincaglia, Milt Venetos and Mark Proia who helped pull off the caper of the week, and some final words of encouragement to all SAE brothers; water has 1/3 less calories than your regular beer and tastes great.

### PHI SIGMA SIGMA

And on November 26, 1913, God created Phi Sig Sigs, saw that this was very good and allowed them to multiply - Yea Phi Sig Sigs! Get psyched for our 74th anniversary of Founder's Day - and especially get psyched for this Saturday and our Founders Day celebration with Suffolk and RPI. We all remember how these girls like to party! Thanks Kris for doing such a good job organizing the dinner.

Pledges, great job on kidnapping Matzorella last Wednesday, though next time make it someone we want back!! Hee, Hee - Just joshing Cheese! Also you pledges are great sports - and great surfers too!! Hey its the juniors responsibility to make sure that you guys are able to handle yourselves in proper beach etiquette.

Thank you Prov. Vasallo for you continued support of Phi Sig Sigs favorite pastime. Thank you Mother Nature for burying Prof. Sisson's leaves under 6 inches of snow so we didn't have to watch the poor Sig Ep pledges rake them. A

belated thank you to Theta Chi for hosting the non-alcoholic party with us - it was a great success and we'd like to do it again sometime! Happy B-day to Juanita and Heather - hope it was and is a good one! Not that anybody's counting but it's only 25 days till the big night - Get psyched!!

### SIGMA ALPHA EPSILON

We'd like to congratulate our pledges for gaining possession of ATO's pledge brick (does anyone know if they recruited some independents to bring us that bogus keg?); wait'll they see the picture... This makes a total of three berthas we've gotten in the past five years or so. Our A-team bowlers are un-defeated, while B-team is 11-1. The Hockey team is getting ready for a great season, and once the ankle jinx is over our hoop teams will get bak on the right track. Hey pledges, how was that shoveling? (Aren't they predicting heavy snowfall this year?) What's that about GWU girls, Mr. Lame-o? They do what? We must plan another roadtrip (it's only a 6 hr. drive to D.C.). Being the year of the monkee, we should do our best to give them the satisfaction they deserve, right? Five Apples.

### SIGMA PI

Sorry we couldn't invite Freddy or Jason to the Friday the 13th party, but Damien showed and made viscous attacks at victims throats and stomachs. So pledges did you enjoy paddle judging? Congrats to Dave Cotter for best paddle. J.S. field hockey this week, Where's

Duane? Ask Deuce for some Play-Don or Eich-A-S—tch. Though the sophomores showed in October, the real stuff dropped a few Alumni on our doorstep ready to party, good to see 'ya. Rumor has it, party Friday night. Looking forward to Thanksgiving meal crew girls? Can't wait to see those skirts. Pledges beware, don't lose paddles. Team naked strikes again, this time on the racquetball court, in addition to boot and run, silly pledges. Get ready for Strategy Plus, yes you will be shot and "5ed".

How do you get to Worcester from Philly? said the Riddler.

Holy roadtrip Batman, go to New York and be silly.

Y? B-cause U got the look. The hoop team is running strong at 2-0. Sigma Sex Pistols shot down but bowling is living life in the fast lane. Welcome back D.C. bro's. Pledges when is your next late night visit? Good Psyche.

Will D. pass anything, will Brett A.D. his project, will the pledges unite, will any bro's be "crushed" on the 20th, and will the meal plan riddle be kosher? Tune in next week - same bat time, same bat channel - until then "What will a hot dog driven though a heart kill?" It's as easy as 1-2-5 ah I meant 3. Right out.

## CLUB CORNER

### ALPHA PHI OMEGA

On Weds. Nov. 18th, Alpha Phi Omega, the National Service Fraternity, and the Mohegan Scouting Council will jointly hold a gathering for all Eagle Scouts. The purpose of this meeting is to introduce the Eagle Scouts to the philosophy of Alpha Phi Omega which is based on the Scouting oath. It is also hoped that the Eagle Scouts would be interested in continuing to represent the ideals of scouting by possibly helping in joint efforts between Alpha Phi Omega and the Mohegan Council. The gathering will take place in Kaven 115 at 6:30.

### MEN'S BOWLING

WPI hosted the second event of the Tri-State league this past weekend. In the team event, we placed second out of ten teams. Our score of 2755 was second only to SUNY at Albany. For the day, we took 30.5 points out of 54, which should place us third or fourth in the overall league standings.

### ETA KAPPA NU

HKN would like to congratulate all those who were initiated on Friday the Thirteenth. The initiation went off without a hitch (except for a slight electrical problem, right Bill!). I hope that everyone enjoyed themselves at both the initiation and the banquet afterwards at the Atrium. The food was great and Professor Cyganski's after dinner speech was very interesting. It caused everyone in attendance to wonder about the future of technology and the ultimate purpose of an engineering education in a world where knowledge becomes obsolete after five years. Our education is just beginning!

### WPI WIRELESS ASSOCIATION

The next meeting of the WPI Wireless Association will be on Wednesday November 18th at 4:30pm in Salisbury Labs room 011. All are invited.

Congratulations to Alex Kuhn on receiving his technician class license: N1FGX!

We have the November Sweepstakes coming up on the weekend of the 21st. If you are interested in putting in a few hours at the mic or logging contacts, please contact Mark Curran at box 1957 so he knows who will be there at what times.

There is now a supply of new tools/equipment up in the shack. Bob Inderbitzen(KA2PZD) et al. went on a shopping spree last week to pick up some items we were running low on. We also have a box of PL259 and SO239 connectors for purchase by club members for \$1.25 each.

The new 2 meter amplifier is installed and working as of about a week ago.

If you are interested in Amateur Radio and would like to find out more about the club, please contact Michael Kentley(box 1186) or Joe Fitzgerald(box 1873). See you Wednesday!



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\$7.50 tickets available at all TICKETMASTER locations. For information and

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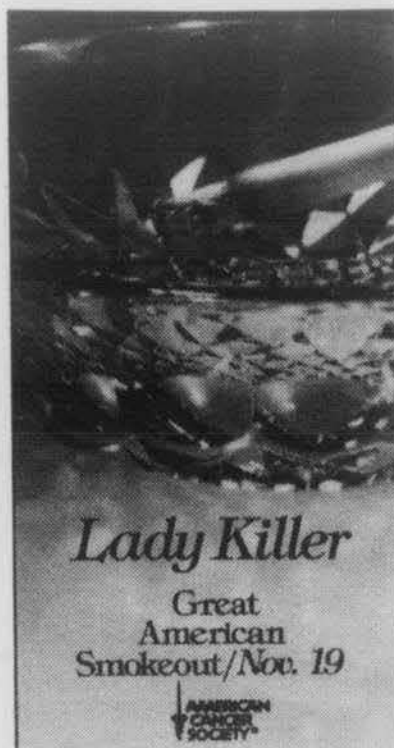
**WORCESTER** - Centrum  
Sunday, November 22nd at 12:00 and 8:00

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### Advanced Lifesaving course

course

organizational meeting

Wednesday, November 18th

7:30 P.M.

Pool Balconey

Questions: Whit Griffith x5625  
Sue Chapman x5588

SOCCOMM

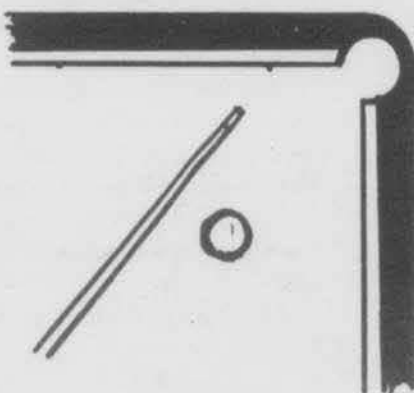
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Please Enclose \$1.00 entrance fee

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## ARTS & ENTERTAINMENT



NEWSPEAK STAFF PHOTO/LAURA WAGNER

Barry Drake Entertains In Gompei's Place During The Tuesday Night Coffeehouse.



PHOTO BY JONATHAN FRENCH

The I-Tones Perform For The Gompei's Place Crowd On Saturday Night.

### Museum Offers Lecture Program on Photography

On November 22 a public lecture on early photography will be given at the Worcester Art Museum by art historian Graham Smith. Presented in conjunction with the exhibition *A Panorama of Photography: 150 Years Since Daguerre*, the public lecture is free with museum admission.

The Worcester Art Museum, has collected photographs for twenty-five years primarily under the direction of Curator of Photography Stephen B. Jareckie. This exhibition celebrates the collection's anniversary and commemorates the sesquicentennial of the photographic medium.

*A Panorama of Photography* explores the technique and diverse styles of photography during a period of great change in both Europe and the United States.

It was in 1837 that Louis J.M. Daguerre succeeded in creating a fixed and stable photograph, the daguerrotype. This was the cornerstone of the development of photography, a visual medium that would completely change the way that we perceive and understand our world. By remarkable coincidence, scientists in Britain had independently developed the same technology.

Chief among the British pioneers was William Henry Fox Talbot, whose experiments paralleled Daguerre's. Other Britons contributed to advances in this experimental process including Sir John Herschel, who developed a way to fix paper photographs and keep them from fading, and the St. Andrews Group, a coterie of Scottish artists and technicians who brought the process to a new level of sophistication in the 1840s.

Graham Smith's lecture, "The Origins

of Photography in Britain," will tell the story of these pioneer scientists and artists and explore their discoveries and creations.

Graham Smith is a professor of the History of Art at the University of Michigan and Director of that University's Center for Western European Studies. His primary field of expertise is in the art of Italian Renaissance and Mannerism. He has published and lectured extensively on Italian art, and he is currently preparing an exhibition of Renaissance drawings from the Uffizi in Florence for American museums.

Dr. Smith's interest in photography stems ultimately from his undergraduate studies in history at St. Andrews University in Scotland. It was in this medieval college town that early photographers David Octavius Hill, Robert Adamson and their colleagues used the new photographic medium of callotype to record the landmarks as well as common and noble people of their city in the 1840s.

Dr. Smith came to know the photographs, their subjects and their creators, and years of primary research have established him as a prominent authority of the St. Andrews group and their innovative British contemporaries.

Another public lecture will be offered in conjunction with *A Panorama of Photography* on Sunday, January 24 at 2 p.m. By contrast, this talk will consider contemporary American photography. "The revolution in Photography in the 1960s" by Pamela Allara, of Tufts University will explore the new role of photography as fine art in the 1960s and the medium's influence on artists of other genres.

### Martial Arts Group to Perform at Higgins Armory Museum

A martial arts performance directed by Mr. Carey Rossignol will present "Koga-Ryu", a profile and demonstration of Ninjutsu at the Higgins Armory Museum on Tuesday, November 17 at 7:00 p.m.

Demonstrations will include: armed and unarmed combat; weaponry; firearm disarming; and silent death techniques. The program will feature a brief historical and descriptive review, immediately followed by a demonstration of that particular art.

Mr. Rossignol has more than 20 years

experience in the martial arts. He holds a rank of 4th degree black belt in shinobijitsu and a rank of 5th degree black belt in okugi-ryu aiki-jitsu. Mr. Rossignol is a member of the Tactical and the SRT (specialized riot training) teams at the North Central Correctional Institute in Gardner, MA, and an instructor in self defense for the New England Law Enforcement Academies based in Medfield, MA.

The performance will be held in the Great Hall of the Museum from 7:00 to 8:30 p.m. Admission is \$3.00.

### Mostly Landscapes: Works in Mixed Media by Susan Crapo

Place: George C. Gordon Library  
 Dates: November 1 - 30, 1987  
 Hours: M - F: 8 a.m. - 11 p.m.  
 Sat.: 8 a.m. - 9 p.m.  
 Sun.: Noon - 11 p.m.

Susan Crapo, of Greenfield, MA, graduated from the Swain School of Design, in New Bedford, in 1977. As a student, she concentrated on printmaking, but adding color to her prints led her to study painting at the Leo Marchutz School of Painting and

Drawing in southern France. Since then, except for occasional work in etching and monoprinting, Crapo has concentrated on painting and drawing, recently experimenting with pastel as a medium. Many of her most productive periods of painting have been compressed into summers spent at Lake Huron in Michigan, and this year, a four month stint in the French countryside south of Paris. Much of the work in this exhibition is from that period.

ENTERTAINMENT

Choosing *Cloud 9* for WPI

by Suzan Vick

The journey to Christopher Street took time. A downtown bus left us near Washington Square. Manhattan streets make so much sense - uptown. Go below Soho and all sense vanishes. We navigated with a map and kept missing it. We finally asked. "Right there." The village twists and turns you around. We'd been in the vicinity for ages. Ah, yes, just as I'd imagined it: street life, lots of eateries, the famous Lilac Chocolates, shops of all kinds, the Theatre de Lys at the end. Of course, all of the other eight hundred people who had tickets for the ten o'clock show and who hadn't gotten lost were already packed into every table on Christopher Street.

The *New York Times* had already hit the streets which gave us something to do while we sat at a bar sipping coffee and sneaking Lilac Chocolates throughout the long hour wait. I felt exhausted and assaulted; the feeling that sometimes comes after a day or two in New York when you haven't been there for a time. We considered leaving and returning uptown for a nice dinner. Who cares about this silly show? I didn't even like it when I read it. But the critics unanimously loved this play. Writing in *The Saturday Review*, Stanley Kaufman called it "a comedy-drama about the beginnings of escape from past cruelties into present quandaries." *The Nation's* Richard Gilman found the production a "very moving recognition of the way desire is besieged by doubt, pleasure by guilt," and *The New Republic* praised Caryl Churchill for managing "to forge an original, often ferocious satire." Jack Kroll of *Newsweek* found the show "a rousingly impudent, yet warm and touching comedy of confusion and soul searching among people who are no longer fodder for a big-deal empire but ordinary folk searching for authenticity and happiness in a time of dizzying change." Walter Kerr, perhaps this country's most prestigious critic, joined his colleagues in praising the play in his Sunday *New York Times* column: "It's succinctly

sassy, elegantly insulting, written with a quill pen that seems to have been deftly dipped in ice water." And even that notorious curmudgeon, John Simon, theatre Critic for *New York Magazine*, found rare kind words calling the play "a bundle of merry mischief . . . a mixture of brattish ingeniousness and malicious charm." But, as some of you might know, I certainly don't put any stock into what critics say! However, real friends said to see this show: "You'll love it." "The best thing in New York in years." So we read, fidgeted, nibbled chocolate, and considered leaving. Finally the crowd from the 7:30 show poured out of the theatre and into the now cold night. They seemed in high spirits. "Oh, well, we're here. Might as well stay." Lining up, stomping to stay warm while we waited for the doors to re-open, I mumbled the mantra: "This better be good. This better be good."

A little over two hours later my consciousness had indeed been rearranged. On a cold Saturday night in 1982 I experienced Tommy Tune's Off-Broadway production of British playwright Caryl Churchill's *Cloud 9* and my notions of the possibilities of theatre shifted. I hadn't gone to New York to see the play. I had gone to New York to watch auditions for a play of mine under way Off-Broadway. I can hardly express how insignificant I felt as a writer when contemplating my work in the light of Churchill's. Nor could I explain my own naivete at failing to catch the vision of the play from my first reading of it. But I could understand something of what I had seen upon that stage: an extraordinary political drama.

On returning home I seized my script of *Cloud 9* and read it again and again. The start of my first class in Political Drama fast approached: I must teach this play! Naturally an American edition had not yet come out, so I resorted to other means of getting the script to the class. They, too, had trouble reading the play, but interest soared the minute we began

staging it. Some of the group carried their enthusiasm into the following fall, producing a staged reading of the play for our "Unmasking" festival. Our audiences loved it. Since that winter of 1982 I have longed to fully produce the play here at WPI. Nearly five years after my night in the Theatre de Lys, that theatre has been renamed the Lucille Lortel Theatre. David Mamet has won the Pulitzer Prize for *Glengarry Glen Ross*, the South African situation has worsened as has the political situation in Northern Ireland, AIDS has entered everyone's consciousness, our president cannot seem to find a new Supreme Court justice, WPI has suspended the COMP, and finally, after teaching the play year after year, I will direct *Cloud 9* at WPI.

Why? Why has my attachment to this play continued? What about the play attracts and fascinates me? What conditions of my heredity and environment have influenced me into a subjective love for this play Theatricality? Flirting with promiscuity? A way to express beliefs difficult to articulate? A need to expand and challenge my directing skills? An ambition to fight off the dreaded double standard for yet another decade? Yes. All of the above, and then some. But what?

Robert Brustein, artistic director of the American Repertory Theatre and one of our sincere and serious commentators on contemporary theatre [notice that I avoid the term "critic"], in his new book, *Who Needs Theatre* (notice the title does not ask a question), put out by the Atlantic Monthly Press this year, perhaps best describes one of my most deeply held convictions about the importance of *Cloud 9*: "I'm not suggesting that the theatre should be deliberately provocative, but if it's not provoking someone, then it's probably not doing its job, which is to rearrange consciousness." On that winter night on Christopher Street, Caryl Churchill rearranged my consciousness. She did so in a way I found positive, progressive, and urgently important. Churchill described

some of her efforts with the play in an interview with *Vogue*: "Part of the process was working out what people had in common and what affected them in common: and that was feeling you have to conform to certain molds, the feeling that people should be free to be themselves, whatever that might be." A larger part of her process involved working with a company of actors who all contributed to the play (somewhat in the fashion in which Michael Bennett worked on *A Chorus Line*) and to the unique casting (one white male actor, for example, performs a black African tribesman, a four-year-old girl, and an Irish soldier during the play's two acts) and performance choices that strengthen the ideas expressed throughout the play.

*Cloud 9* offers exciting opportunities for style and staging. I have, therefore, chosen the play for the endless opportunities the production offers actors, designers, technicians, the director — all of the artists who collectively conceive and realize a production. But most important, as an educator, I feel we — the WPI community, family, friends, and others who see the play — need this play at this time in our history when we must seriously contemplate the varieties of experience that exist among us. If we are to find the freedom to evolve to "ourselves" in our culture then we must explore where we have been in the past and consider where we will go from here. I believe that the best way — perhaps the easiest while at the same time most fully experienced way — to contemplate these serious things might be found in two hours of high-spirited theatrical enjoyment. And if, in the process, the production can somehow "rearrange consciousness" — so much the better.

*Cloud 9* debuts at WPI on Thursday, November 19, at 8:00 p.m. in Alden Hall, and continues on Friday and Saturday, the 20th and 21st. I hope you will come see why I chose this play for us.

Pianist Iva Moravec to Perform at Mechanics Hall

The distinguished Czech pianist Ivan Moravec will perform a solo recital at Mechanics Hall, on Friday, November 20 at 8:00 p.m. Moravec's program will include the popular "Moonlight" Sonata in C sharp minor by Beethoven. Other scheduled works are the Chopin "Funeral March" (Sonata in B flat minor); Claude Debussy's "Children's Corner Suite"; "Sonata der Strasse" by Czech composer Leos Janacek; and Scherzo in B minor by Chopin.

Heralded by *Time* and *High Fidelity* magazines as one of the foremost pianists of the 20th century, Moravec has been universally praised for his impeccable technique, his beautiful tone, and his depth of interpretation. A native of Prague, he has performed in major music centers throughout the world, including New York, Chicago, Amsterdam, Paris, Munich, Berlin, Rome, Budapest, Moscow and Leningrad.

Moravec made his American debut in 1964 with the Cleveland Orchestra in Carnegie Hall at the invitation of George Szell, and since then has returned regularly to the United States, both for concerts and recordings. He has been featured with the Philadelphia Orchestra, the Chicago Symphony, the Minnesota Orchestra, the National Symphony, and the Orchestras of Detroit, Baltimore, and Toronto. In Europe, he has appeared as soloist with the Czech Philharmonic, the Royal Philharmonic and Philharmonia in London, the Vienna Symphony, Gewandhaus Orchestra and Dresden Staatskapelle. A frequent guest at international music festivals, Moravec appeared this past summer at the Ravinia and Meadowbrook festivals with Sir Neville Marriner and the Academy of St. Martin-in-the-Fields.

His highly acclaimed recordings, many of which are considered collector's items, have been included in record of the year listings by *High Fidelity*, *Stereo Review*, the *New York Times*, *Time Magazine*, and *Newsweek*. His recordings of solo works by Chopin and Beethoven have been nominated for Grammy

Awards. Most recently, Moravec recorded the sound track of the Academy Award winning film "Amadeus."

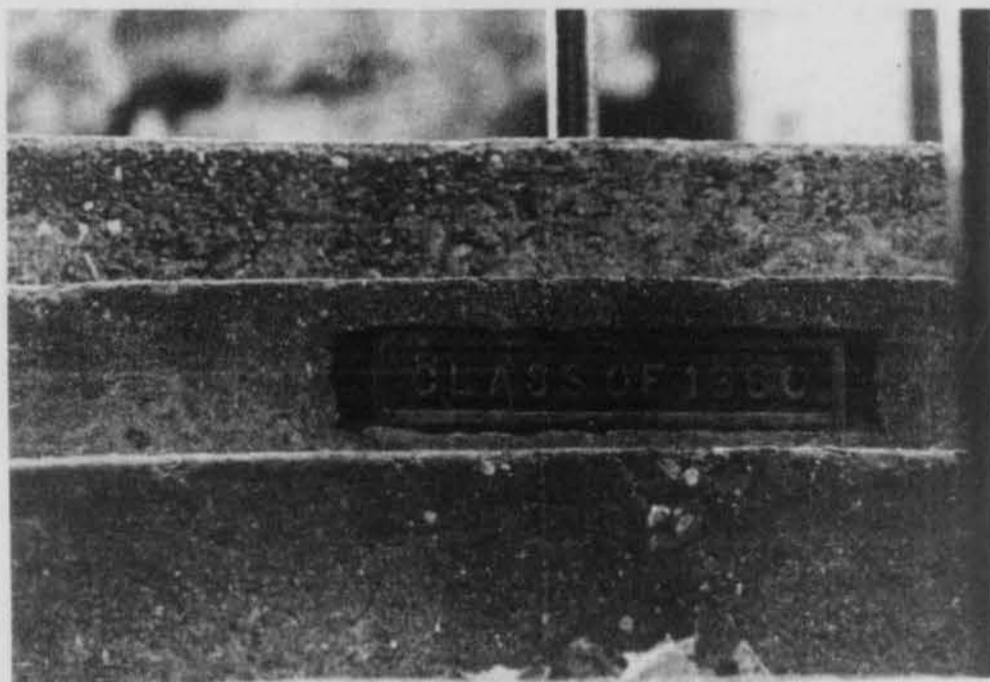
Tickets for the Ivan Moravec concert at \$15.50 and \$17.50 are available at the M.R. Plante Box Office at Mechanics Hall. For more information or to order tickets, call 752-0888. Student and group discounts available.

Poets to Appear at WPI

On Wednesday, November 18, Joseph Gustafson will present a reading and workshop, "Haiku: A Way of Life for the Japanese," in Higgins House at 7:30 p.m. Gustafson is the author of a book of haiku, and has had poems published in the *New York Quarterly*, *Dark Horse*, and the *International Haiku Magazine*. His appearance, which is free and open to the public, is sponsored by the Department of Humanities, the Office of Student Affairs, and the Worcester County Poetry Association.

In conjunction with a program of Armenian poetry and music to be held at Mechanics Hall on Sunday, November 15 (3:00 p.m.), Worcester native Diana Der Hovanessian will visit WPI on Thursday, November 19. In particular, she will speak to WPI English classes in the afternoon on the 19th. Her November 15 program, "The Secret of Survival," is based on her translations of Armenian poetry of many different periods.

What the Heck is This?



Were you able to correctly identify last week's photo of the chimney on top of the Skull Tomb on the corner of Boynton Street and Institute Road? Jason Benoit was able to. He sent in his answer and won a free Domino's Pizza. This week's photo may stump even the most observant readers. Can you identify where this photo was taken? Have your entries in to Newspeak by noon on Friday.



# CLOUD

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Compact Disc for Sale: The Who's Greatest Hits, \$10. Contact Norm, Box 1778.

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**SCHOLARSHIP COMPETITION:** Available to Junior, Senior, and Fifth Year engineering students as of Fall 1988. American Consulting Engineering Council is sponsoring a \$1000 and \$500 scholarship competition. For details see the Dean of Undergraduate Studies, Financial Aid Officer, or call R. Weber at (617)449-6450.

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IFC Panhell- United Way Auction, Thursday, December 3, Alden Hall, 6:30 pm, .50 admission.

The competition is fierce Friday November 20, 8:30 at Gompei's.

NCADD to examine Youthful Drunk Driving Problem at Public Hearing. November 17 from 9:00 am to 4:00 pm at the Transportation Systems Center, Kendall Square, Conference Room (1st Floor), Cambridge, MA.

Play Pool and Darts and win at Gompei's, Friday at 7:00 p.m.

Pathways is desperately seeking an outstanding pen and ink drawing for its winter issue. Please submit your artwork by November 23 to Pathways BOX 5150. for its Winter issue.

F19-Everybody's Mother!!!

Hey Mad Vince - Welcome Home! The humble occupants.

Laugh tonight at the COMEDY COFFEEHOUSE, Gompei's, 8:30 p.m.

Bored SWM desperately seeks SWF, under 5'3, less 125 lbs. Relatively cute, cute ankles. If possible, a blond who lives in Founders and drives a red Berlinetta; or whatever. Please respond to box 613.

jru fosmr. jsbr upi fpmr smu  
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Hey Johnny Mac: Genesis, Swank, Playboy, Hustler: These are not the answers!!!

jru upi jp.rmpford. fp upi hiud fp rsvj  
pyjrt il yjr sdd rbrtu fsu er fp mpy drr ypp  
;ivj pg upi ;syr;u

Jon & Jen.. Lights out and not answering the door? Tsk, Tsk! S and C

Happy Anniversary Mom and Dad!  
Love, Teddi

Lurch!

Who will be the 9-5 world champion?

Daniels 3rd rules the Midway!

Scott, How many people will your car hold?

What's that Becky? A Hickey?!?

Tired Rich?

Mike, What's that smell, smoke?

Mary Jane, What did you do with the snowball?

Hey person, What's up?

Newspeak will run classifieds free for all WPI students, faculty, and staff. Free classifieds are limited to six (6) lines. Ads of a commercial nature and ads longer than six lines must be paid for at the off campus/commercial rate of \$3.00 for the first six lines and 50 cents per additional line.

Classified ads must be paid for in advance. No information which, in the opinion of the Newspeak editors, would identify an individual to the community will be printed in a personal ad. The editors reserve the right to refuse any ad deemed to be in bad taste or many ads from one group or individual on one subject.

The deadline for ads is the Friday before publication. All classified ads must be on individual sheets of paper and must be accompanied by the writer's name, address and phone number for verification.

Name \_\_\_\_\_ Phone \_\_\_\_\_

Address \_\_\_\_\_ Total Enclosed \$ \_\_\_\_\_

**AD TO READ AS FOLLOWS:**

Allow only 30 characters per line

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# HE'S THE GURU OF GOOD TIMES!



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## What's Happening

### Tuesday, November 17, 1987

11:30am-1:30pm -- Campus Ministry gathering wedge  
 4:30pm -- APO Servent auction - Lower wedge  
 7:30 & 9:30pm -- "28 UP" Clark Academic Center - Room 320 \$3.00  
 8:30pm -- Comedy Coffeeshouse Gompie's Place

### Wednesday, November 18, 1987

4:30pm -- All Campus Student Organization/Group meeting - Lower Wedge  
 9:00pm -- The New Thing "St. Elmo's Fire" - Gompie's Place

### Thursday, November 19, 1987

Society for Social Studies of Science 12th Annual Meeting  
 7:30 & 9:30pm -- "28 UP" Clark Academic Center - Room 320 \$3.00  
 7:40pm -- Ice Hockey against Gordon College  
 8:00pm -- "Cloud 9" by Caryl Churchill - Alden Hall  
 8:00pm -- "The Butler Did It" - Play, HolyCross Fenwick Theatre Adm.  
 9:00pm -- Zelig - HolyCross Air Force ROTC building - Free

### Friday, November 20, 1987

11:00am -- CS Department Colloquium SIGGRAPH Ed. Committee Report on Graphics Curriculum - AK 233  
 8:00pm -- "Cloud 9" by Caryl Churchill - Alden Hall  
 8:00pm -- "The Butler Did It" - Play, HolyCross Fenwick Theatre Adm.  
 2:00pm-8:00pm -- MBA Forum Boston Park Plaza \$5.00

### Saturday, November 21, 1987

7:30pm -- Jethro Tull - Centrum \$15.00 & \$13.50  
 7:30 & 9:30pm -- "28 UP" Clark Academic Center - Room 320 \$3.00  
 8:00pm -- "Cloud 9" by Caryl Churchill - Alden Hall  
 8:00pm -- "The Butler Did It" - Play, HolyCross Fenwick Theatre Adm.

### Sunday November 22, 1987

10:00am-4:00pm -- MBA Forum  
 11:30am -- Mass Alden  
 11:30am-9:00pm -- Ski Show - Centrum, Warren Miller, White Winter Heat \$7.50  
 1:00 & 3:00pm -- "28 UP" Clark Academic Center - Room 320 \$3.00  
 6:30pm & 9:30pm -- The Reel Thing "Star Trek IV" Alden  
 8:00pm -- "The Butler Did It" - Play, HolyCross Fenwick Theatre Adm.

### Monday, November 23, 1987

3:45pm & 7:00pm -- "Cat on a Hot Tin Roof" Fine Arts Series, Hogan Campus Center, Room 519  
 7:30pm -- WWF Wrestling \$15.00, \$12.00, & \$9.00  
 7:40pm -- Ice Hockey Canton Tech (H)

## CALLING ALL WPI BANDS!

SOCComm Announces its 3rd annual

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