

# Newspeak



The Newspeak staff wishes all members of the WPI community a very safe and enjoyable holiday season.

See you next year!

# Newspeak

The Student Newspaper of Worcester Polytechnic Institute

Volume 15, Number 27

Tuesday December 15, 1987

**FREE**  
Centerfold Calendar  
Enclosed!

## Handel's Messiah Ushers in Holiday Season

by Jeffrey Coy  
Newspeak Staff

In grand fashion last week, the Worcester Orchestra and Chorus helped to bring in the holiday season as they presented their 87th annual performance of Handel's Messiah. This seasonal production has become a tradition to many in Worcester, and, on December 5, it seemed to put the sold-out audience into the spirit of the season.

George Frederick Handel began composing this masterpiece on August 22, 1741, and, an incredible twenty-four days later, it was completed. Obviously inspired, the Messiah must be considered as one of the greatest musical works in all of history. In sheer immensity - fifty-three separate fugues written for a complete chorus and four soloists - it is a grand achievement. The absolute beauty of the combined vocal parts lies in its seemingly effortless nature: the parts all blend so perfectly, so comfortably, that the work seems divinely wrought. And it was in his Messiah that Handel most fully developed the potential of the choral form. In this sense, he was truly a master.

The Chorus and Orchestra, under the reputable hand of Gerald Mack, utilized quite well the resources of the piece. Beginning with the opening "Sinfonia Overture," the orchestra set a joyous and celebratory tone.

The first of the soloists was William Diard, tenor. The next solo was for bass, and Donald Wilkinson quite ably fulfilled most of the necessary vocal requirements. However, on some of the extended vibratos, the notes became slurred together and sounded, at times, somewhat sloppy. The soprano soloist was Karen S. Emerson, a young lady whose pure, rich voice assailed the required high notes with a vengeance. Her interpretation of the series of recitatives beginning with "There Were Shepherds Abiding in the Fields" was sincere and truly moving. The alto solo pieces were performed by Christopher Jenkins, one of the new generation of countertenors, the rare, extremely high male voice that was so popular during the Baroque period. Jenkins' voice, though full, maintained a sense of refinement throughout.

Of course, Handel's true strength lay in choral part-composition, and the Worcester Chorus realized their roles quite magnificently. From the first "And the Glory of the Lord" chorus, the group showed their prowess in the handling of the work's innately structured form. The large Worcester Chorus more than filled the stage platform, and their nearly 100 voices overflowed the hall with a melodic beauty. The group's size gave power to such choruses as "For Unto Us a Child is Born," making the lines "...He shall be called Wonderful, Counsellor, the Mighty God, the Everlasting Father, the Prince of Peace" rush forward with a thundering significance.

Even when the work called for a soft, full, choral sound, the chorus was also quite successful. In the fugue, "Since by Man Came Death," the group began softly, giving a performance measured with reverence and emotion. Then, entering into the second line, "...by man came also the resurrection of the dead," the chorus poured forth with an energy equal to the other, full-voiced fugues. Truly, the result was a well-balanced, emotionally rendered performance.

The "Hallelujah!" chorus, the most famous of the entire work, was carried out with equal artistic care. The dramatic power produced in the first "Hallelujah" was carried and sustained throughout the work, much to the delight of the standing audience. The soprano section of the chorus was especially impressive throughout this fugue.

While this production was not without its very minor flaws, it was one of the best performances of the Messiah that this reviewer has had the pleasure to hear. Perhaps it is Handel's mastery of vocal part-writing that draws us back again and again to this piece each Christmas season. Certainly, its very nature as a religious fugue would seem to scare away most untrained musical ears. However, through pure artistry, Handel was able to give to his Messiah a resoundingly melodic character, making it a very special holiday gift to all listeners of all ages.

## "Me" Generation Is Giving Way to a New "We" Kind of Student

Ask today's college students if winning a million dollars would alter their career plans and eighty percent would tell you no, according to the nationwide HIT SHOT Poll of nearly 500 college newspaper editors.

The new survey was conducted among more than 1,760 editors.

"I'm frankly surprised," said James H. McKee, spokesman. "I'm not sure we'd get the same kind of response from the post-yuppie 'me' generation - those in their late thirties or early forties, who would likely want to retire immediately if they came into big money."

Idealism, the HOT SHOT Poll showed, was again a force among today's students. The major share of the college editors responding, for instance, said that the most important single thing they would seek in considering a job after graduation would be "making a difference," first choice for almost 43 percent. "Opportunity for advancement" was the option for 31.4 percent. Salary, by contrast, was picked by only 8.4 percent and "power" by less than two percent.

"The students of the 1980's are often criticized for being materialistic," said McKee, "but they appear to have more in common with their counterparts from the 1960's than we realized. More than half of our respondents, in fact, expect to earn only between \$10,000 and \$20,000 during their first full year in the work force."

Caution and stability, the HOT SHOT Poll indicated, were prime factors among college students today. Almost two thirds (65.5 percent), for example, said that during their first year in the real world, they would be spending most of their income on rent and living expenses. Close to half planned to rent their own apartment or house during their first year out of school; and more than 72 percent planned marriage within ten years, half that number within five years. A similar number expected to have at least two children after they married.

Societal issues are also on students' minds. AIDS ranked as "the most pressing" with 27.6 percent, well ahead of the numbers preoccupied with nuclear war and peace, which came first with 21.5 percent. Big headaches, like the economy and the federal deficit, were placed first by a scant 5.3 percent. The AIDS crisis has already had significant influence on student's personal habits. An overwhelming 86 percent said that they intended to use caution in any new sexual relationship, would restrict themselves to those with whom they were involved in a one-on-one relationship, or would remain celibate until a cure was found. Only 2.4 percent, however, chose the latter.

Respondents to the HOT SHOT Poll included student editors at colleges and universities in all 50 states and the District of Columbia.

## 1879 Awards Deadline Approaching

The submission deadline for the 1879 Awards, given each year to outstanding Sufficiency projects, is December 31, 1987. Any sufficiency completed during the calendar year 1987 is eligible. Submit your essays, with cover letter and box number attached, to Professor Bland Addison, Department of Humanities, Salisbury Laboratories 02.

**EDITORIAL****Peddler Example of Student Disinterest**

A college yearbook is a lasting memory of a student's college experiences and friends. It is something that people put on their bookshelves to be taken down when they want to remember their collegiate life.

As many people have begun to realize, this year's edition of Peddler has not been published. This is due to many factors which include a shortage of funds due to mismanagement, and a lack of student interest.

During the fiscal year, Peddler funds were not accurately tracked, resulting in gross expenditures. Consequently, the Peddler has accumulated a substantial debt which has delayed publishing.

The responsibility for this lies on many people. First of all, the student officers of the Peddler were lax in allowing such a serious deficit to occur. Secondly, the student body must share in this negligence. The fact that more people have not complained to the Peddler or to the administration attests to a general state of apathy. Finally, it is astounding that the WPI administration allowed a student organization to flounder so.

According to recent information, the Peddler will be distributed in March, more than four months past its original deadline. The Peddler must overcome the aforementioned shortcomings in order to meet future deadlines. However, Peddler will not be able to continue without dedicated individuals to help with production and fund raising.

This affair is an example of the problems campus organizations have with recruiting competent staff members. Many students complain about a dearth of activities, yet it takes only a superficial glance to see the many organizations which are both interesting and enjoyable; these students need only participate.

**LETTERS****Terminal Troubles**

To the Editor:

This letter concerns the need for more Dec-20 terminals throughout the campus. At times during each term, when all the assignments come due, there is a "run" on the terminals at CCC, Salisbury, and Atwater-Kent. Students without their own modem hookups are stuck waiting, often for long periods of time, for a computer to become available. One place terminals could be installed is in the basement of Founders Hall. There are plenty of rooms down there, and rarely, if ever, are they all used at once. Certainly, there is enough of a student

need for terminals that space for some could be created there. Another place is in the basement of Daniels Hall.

In both places, the terminal would provide a great convenience to the students living there, and when crunch time comes, their addition would be invaluable. The important thing is that WPI address this need and derive some plan to help alleviate the problem.

Stewart Pruslin '88

**LETTERS****We Can Only Hope**

To the Editor:

As a 3-2 student from a liberal arts college (where I studied the liberal art of physics), I have found Joshua Smith's "My View From the Fourth Year" to be the hot spot for ignorance in **Newspeak**, in particular, last week's commentary on liberalism. For those of you in the dark, liberalism is the current evil trend sweeping the WPI campus. Mr. Smith defines it as follows: protesting the depiction of women desiring rape, promoting peace, encouraging ethical behavior, and fighting to end torture in other countries. Mr. Smith claims that we, as WPI students, should have no part in this, that we have lost sight of our conservative engineering goals. As far as I can deduce from Mr. Smith's articles, he believes this ideal is fully attained when one becomes an automaton-like technocrat without a conscience.

The question I would like to ask Mr. Smith is - Why must knowledge of engineering and social awareness be mutually exclusive? Why assume that because one studies signal analysis, software engineering, or design of reinforced concrete that one cannot be equally concerned

about nuclear war, racism, or hunger? Mr. Smith is always bashing the IQP and the Sufficiency by calling them worthless, yet I have met too many intelligent students here who have found them rewarding to believe that he speaks for the majority. Mr. Smith assumes that anyone who shows an interest in the world outside engineering textbooks is a shameless hypocrite who isn't "Truly Aware," but let us remember that his definition of "Truly Aware" is one who hides from society in the woods or performs self-mutilation in the name of world peace.

I would encourage Mr. Smith to stop viewing the world in neat black and white categories and to try and get a few more of those old neurons firing upstairs. Hell, who knows, maybe when Josh leaves his insulated haven at WPI to enter the "Real World", and when he discovers that engineers not only design and compute, but also interact with people, he might even save a whale or read a book.

We can only hope.

John F. Moran '89 CS

**Letter Was Prejudiced Garbage**

To the Editor:

This letter regards the prejudiced and ignorant letter written to the paper last week by Janet Richardson, Judy Robinson, Paul Outerson, Tom Thomsen, and Nancy Hunter. I was surprised to see these five intelligent people come together to submit a critique which had no substance or thought.

"When we allow others to portray rape as anything less [than violence] we condone violence against women." This statement is not uninformed, it is prejudiced garbage. Women are not the only victims of rape. The elderly, young children, infants, and men, as well as women have all been victims of rape.

But most of all, I object to the tone of the letter because of the ignorance of the authors to the comic strip they were writing about. Their objection, clear and simple, was against the depiction of a woman who wanted to be raped, and the glorification of rape.

Would these same people object if the strip Pulsar showed a woman using drugs to dispose of the sexual inhibitions of her victim, then proceeding with a graphic lesbian sex scene? I

don't think they would, because that strip was published several weeks ago (which was verified in a telephone conversation with Senor Allende, author of Pulsar), and not one person objected, administrative or student. The use of drugs to seduce someone into having sexual relations against their will should be a more earnest topic for debate on a college campus than the portrayal of a former "sex symbol" disappointed because she is not attractive enough to be raped.

The fact that not one of the five (Janet Richardson, Judy Robinson, Paul Outerson, Tom Thomsen, and Nancy Hunter) noticed the prior rape scene goes as evidence that these "indignant" critics do not follow the comic strip, and are therefore not qualified to judge "poor taste" from story line and character development in a well-illustrated and well-thought out comic strip.

B.A. Powers, '90  
Newspeak Secretary

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**The next issue is scheduled for January 19, 1988.**

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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

COMMENTARY

Commentary on Commentary

The Answer Is In the Bathroom

To the Editor:

I am constantly amazed by the content of Newspeak commentaries. It would seem that the only people willing to write for the column are extremists who write absurd opinions for the sole purpose of fabricating controversy.

The Commentary in the Dec. 8th issue, by Joshua Smith, suggested that all liberalism be removed from WPI life. He went on to propose that the IQP, MQP and all liberal arts be abolished. In the same issue "Carlos M. Allende" admitted that the Pulsar cartoon which he draws, was intended to be a vehicle for controversy. This is a cartoon that depicted a lesbian rape scene in a previous issue. "Senor Allende" was in fact disappointed that he had not received much attention, in the form of letters, until the rape scene.

Commentaries like these are examples of poor journalism. I think that pseudo commen-

taries, written for the sake of shocking the reader and implying severe controversy between the extreme right and left, serve no useful purpose other than to fill up a few square inches of newspaper.

Commentaries are clearly misused, but there is hope. The Commentary section of Newspeak can be a forum in which real-life opinion is expressed in a rational and relevant manner. If real issues were addressed, like the Military Funding of Department Projects, The US/Soviet Summit, Child Abuse, Acid Rain or School Spending, I think the readers would take a more serious interest. There are plenty of important topics to write about.

I hope that in the future sincere commentaries on relevant issues will be submitted for publication by the Student Body and the Newspeak staff so that we all may learn something from another person's point of view.

Everyone is always stating ways to make WPI better. Each week I hear upperclassmen and alumni saying WPI should go back to the old grading system. I've heard claims for differing semester lengths, more vacations, longer classes, shorter classes and a few "No classes". Then there are the complaints about professors and class material. I too have a theory on how to make WPI better overall. I think the school should install more toilets. There are many reasons that have led me to develop this theory. Some are academic and some are social.

To explain the academic reasons let me place you in your dorm room. It is eleven thirty on Thursday night. For this case, lets say you're a Freshman. You've just had a pepperoni and sausage pizza. Last night you spent the entire evening doing your Physics lab report and part of an English report. Tonight is the time for calculus homework. You and your friends have spent over a half hour working on the first problem, to no avail. You are all frustrated and ready to blow it off. Suddenly Mother Nature calls and you take a break.

If it was the afternoon you could bring in the newspaper you got that day (For example, Sunday Comics are an American toiletry classic). If you had textbook reading you could bring it along. But you don't. This is going to have to be one of those read-the-walls trips. Usually there is something new on the walls each day or so. You look for it. Then you see it. Right in front of you is the answer to the calculus problem. Evidently someone else had the same one and decided to etch the equation into the stall wall. If you don't believe me, look around. Just yesterday, while using one of the bathrooms near my dorm, someone had written how L'Hopital's rule really works. More bathrooms would offer space to write more answers. The impact is immeasurable, but not limited to simply academics.

Many students are initially confused about which groups or organizations they should join. This happens because different groups are unlike in structure and values. There is an easy solution to this problem. Go to the bathroom. If one were to read the walls of my floor's stalls, he would easily be able to determine which groups are meant for him and which aren't (of course, opinions are limited to the previous user's values). My English teachers told me (they still do) that when writing an essay, one should give examples. In this one particular case, if I gave examples of a few the opinions expressed about some "groups" this article would require censorship. Providing these

answers to entering freshman would surely lessen the burden placed upon them.

Study habits would improve if lavatory space was increased because more students would take advantage of the peaceful atmosphere that bathrooms represent. Of course, if the person in the next stall over has gastric water problems, you might have to move to a different establishment. Not only is the lav a good place to study but it is also a good place to think. The magnificent color combinations in the bathrooms offer a soothing and relaxing atmosphere for the user.

There is yet another argument for my plan. During their high school and college careers (especially college) many students face numerous pressures. Depression and other illnesses are commonly seen. I'm not a psychiatrist nor try to be one, but I think there is a need for explanations about some aspects of life. The answers can be found inside many of the bathrooms on campus. For instance, on my floor someone has proclaimed, "This life is a test. It is only a test. In the event...." Had I known this earlier, I might have done a few things differently. WPI has many resident bathroom psychiatrists. This is a resource that we should all make better use of.

Increased toiletry has many other advantages over other forms of expansion. For instance, unlike instructors, bathrooms are available 24 hours a day, and they don't require appointments. They usually don't assign homework. In the past few months I haven't seen any waiting lines in Harrington for Bathroom changes. In fact, Bathroom 4320 has an infinite number of sections. This course is not new either, its been around for thousands of years. There are records that it was the first course taught at Oxford University.

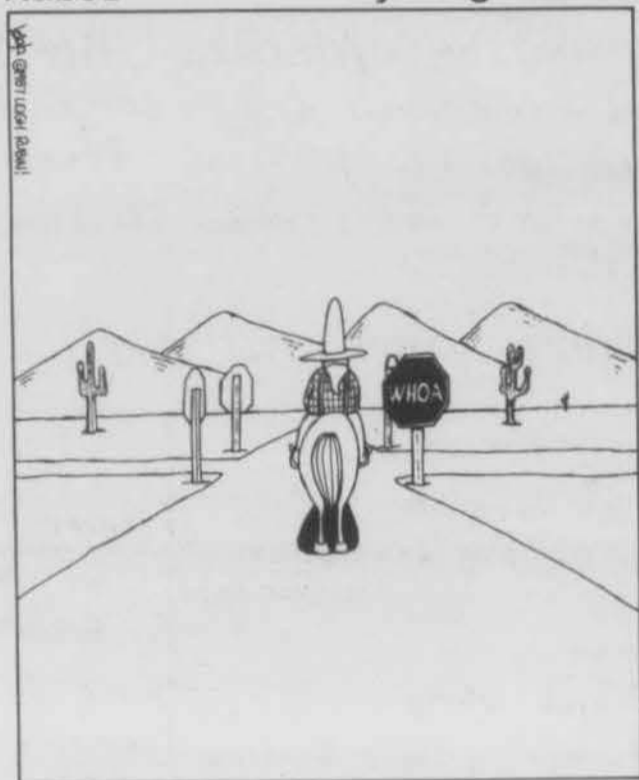
I must admit that I am not too familiar with the economic impacts of increasing bathroom space. I haven't calculated the costs of toilet paper compared to college ruled (Is college ruled toilet paper made?). But I can guarantee that if more stalls are added, they will be used. (Have you ever seen a bathroom section cancelled?)

The advantages of toiletry expansion greatly outweigh most costs incurred. I have given thought to starting a petition to have the school adopt my program. If I do this I'll use white-lined Charmin or White Cloud. Please don't remove the roll or the pen from the stall. And please don't use the petition, even if it's an emergency.

COMMENTARY

Bruce Paradise, (TR)

Rubes® By Leigh Rubin



IQP Insights

Solving Britain's EE Manpower Shortage

by Robert A. Pettin  
Newspeak Staff

Three WPI seniors working at the London Project Center last D-term completed an IQP which is sure to have impact on British policy making groups in academia and industry. Karen Desroiers (CS '88), John Powers (ME '88), and Mark Wartski (EE '88) are the authors of "Electrical Engineering Manpower Projections for the United Kingdom" conducted for the M2 Action Committee branch of the Electricity Council located at the Institute of Electrical Engineers. The group estimated the growth and supply of electrical and power engineers in the UK until the year 2000 to usage if there would be an adequate number of trained persons to fulfill anticipated government and industry needs. As Powers explained: "...basically we looked for age shifts in the current supply of engineers and saw that the majority of the UK's power engineers were in the 40 - 55 year old age groups and that there was a shortage of power engineers in younger age groups. We examined what was a shift toward the "electronics" branch of electrical engineering, so that if steps were not taken there would be a gap in the supply of power engineers when this current group retired..." The prevalent shortage of engineers is a result of many current power station becoming more and more efficient so that the need in power engineers has declined, while by no means has it bottomed out. Incoming students, fearing the worst, have apparently reacted adversely and pursued other engineering fields or different courses of study outside of engineering altogether, creating what could be a potential shortage in years to come.

The Institute of Electrical Engineers (IEE), located on the river Thames, is a professional

and honorary organization for British Electrical Engineers. The IEE regularly conducts surveys of its members to gauge their related fields, background, salaries, ages, and other characterizing information. This data is unique to the IEE as it is the most accurate and complete source of statistics regarding electrical engineers in the UK. It was these "salary surveys" that the group used as a database for their projections. In combining this material with other key variables in British economy, the WPI students applied multiple regression analysis as a method for generating the curves which were to be the backbone of their proposals to the Committee. The M2 Committee, the branch the students were directly responsible to, was more than "just curious" about the results the project team would produce. Wartski described their introduction at the IEE as a measure of the responsibility they were to become involved with: "We were taken very seriously...at the first meeting at the IEE we were given a full and formal briefing of the problem by five Council Members...it was a very rigorous presentation, and not the type of casual 'shaking hands' introduction to the agency we had expected. We left that first meeting with a pile of materials to read and a lot of work to do..."

These students worked under two constraints, the first being time. While they had studied forecasting and projection models as well as the British economy as part of their PQP, all of the data gathering and "number crunching" had to be completed in less than five weeks so that the fifth week could be used to prepare the results for the formal presentation before the M2 Committee. This condition had been im-

posed due to scheduling with the Committee prior to the students' arrival in London, and denied them the additional week and a half other project groups had in shaping conclusions and recommendations.

The second constraint came with the statistical portion of their study since this was an area that none of the three had had a working experience with prior to starting their manpower project. John Powers explained: "this was a very difficult task. Projections, to begin with, are never an exact science, and multiple regression analysis is a method people study for years to get good results...its almost like an art... We had to complete a crude, initial analysis in just over a month. Luckily, we were able to work with James Bogus, a retired statistician from the Electricity Council, and we were able to get some good correlations...for example, we matched the supply and demand of power engineers against Gross Domestic Product and other outside influences..." To verify the validity of their computations, group members continually checked the integrity of their information, often cross researching other sources when available.

There was one other unfamiliar facet of the issue the group had to consider to establish viable recommendations, the British university system. Since most British colleges are largely, if not completely, state subsidized, the government has some leverage in controlling rates of admission into certain programs of study. For this reason, there is often a lag before a need or surplus is identified and pertinent programs' admissions are adjusted accordingly. These American students had to review British university policies and speak with educators to pro-

pose means to alleviate universities' problems in meeting the needs of government and industry. Karen Desroiers explained some of the team's findings: "...English students are required to take a specific entry exam to get into the university system. At that time, they must specify their course of study. Once you enter a particular major, you can't just switch; you have to re-apply to the system all over again...this is one of the reasons the system is so inflexible. We noticed that there wasn't a lot of contact between industry and the universities...not just project work, but basic communication. At some points it was even different programs of study because you'd get so many conflicting figures..."

With respect to engineering occupations in particular, the group found that British stereotypes of engineers is quite apart from the American views. Engineers are often regarded as being "mechanics" or "little odd men in greasy overalls", not persons adroit at analytical reasoning and problem solving. This was seen as one component of society's failing to attract people to fulfill needs in certain engineering areas. Once the severity of anticipated manpower shortages were ascertained recommendations to the M2 Committee were formed, some centering about getting younger students in the educational system informed and interested in engineering at earlier stages of their career planning. "Short Course" studies in various engineering disciplines were another solution to attract people in engineering areas to engineering and to keep persons in the industry. The Committee was also advised to push for the

(continued on page 4)

# COMMENTARY

## Cynics Corner Definitive Nightmares

by Andrew Ferreira  
Newspeak Staff

You know, a few weeks ago I spoke with the sports editor of *Newspeak* who is in one of my math courses. This was in the midst of my most recent writing draught. She said that she heard that I had an article in the next issue of *Newspeak*. I was dumbfounded. I intended to write an article that week, but due to one thing or another (but most likely a hangover on Saturday morning), I missed the deadline and did not submit anything. As is my habit, I quickly forgot this matter.

And when the following Tuesday rolled around, I grabbed a *Newspeak* as I headed by the bookstore. Later that day, as I perused the magazine to a greater depth, I noticed a fairly lengthy article entitled "The Definitive Guide to College Life". I thought to myself, "Well! What a coincidence! I wrote something like that a few years ago!" I started reading it and something seemed peculiar. It was like a hazy *de ja vu*. By the end of the first paragraph I knew that what I was reading I had written years ago.

My mouth flew open, as the jaw muscle is the first to go tense in a fit of surprise. I turned to the person next to me and said incredulously, "I wrote this!" She did not understand. She knew I wrote for *Newspeak* and thought this fact was not notable. What she did not know was that I wrote that article when I was 16 years old.

Yes, let it be known that I am a perjurer. I wrote the "Definitive Guide to College Life" when I was a Junior in high school, before I even knew what a college looked like. I wrote it sort of like a joke. I had just gotten my first home computer and it came with a printer and an editor so I would write five or six one-liners, print up ten copies, and pass them out in Physics class. I compiled all of these things and passed them out to my friends at graduation.

Back in 1983, I brought one copy with me to WPI. I gave that copy to Howard Bernard, a sophomore at the time who lived on my floor and worked for *Newspeak*. He said he would put it in if they ever needed filler. Well, after four years, I guess they at long last needed filler.

When the article first came out, there was no by-line saying who the editor was. That was all right by me. That article suffered from poor grammar, spelling, illogical jumps, and a myriad of other maladies. (I do not mean, of course, to imply that now my articles are perfect ex-

amples of spelling and grammar, which they ain't now and ain't never gonna be.) To be completely truthful, I was a bit embarrassed by the article. And I have to admit that this gave me a great chance to at last get honest opinions.

Never have I had someone come up to me and say "Gawd, 'drew! What a shitty article!" Nope, they'd either say nothing, or if I mentioned them in the previous article they'd say "That was one damn fine column there, 'drew.'" Now, I could sidle up to someone with a *Newspeak* and say innocently, "Oh, have you read the article on college life?" I got honest opinions, for sure; along with about thirty synonyms for poo-poo.

With such a response as that you may be wondering why I am admitting to that article now. Well, I was in my IQP advisor's office and I noticed on the door that he had clipped item #95 from the Guide which read something like "Your mathematics professor shall never write or speak anything intelligible." I smiled and mentioned that I wrote that article when I, as Billy Joel would say, "wore a younger man's clothes". Well, then he mentioned that his wife works at Worcester State and that they had run a reprint of the Guide in their newspaper.

I had nightmares that night. One of them had to do with meeting Michael Jackson as he screeched "I'm bad! I'm bad!" over and over till I shot him. But the second nightmare was one where the Guide would be printed in Time and Newsweek and read nightly to children across the country. And I was a toothless bum living on a park bench when a well-to-do lady sat beside me who happened to be reading a copy of the latest sequel to the Guide, "The Definitive Definitive Guide to College Life". And I would lean over to this woman and I would tell her that I wrote the original Guide. And she would stand and look down upon me and say in a haughty voice that could only have come from your worst nightmare, "Harumph. Don't be silly. The real author is unknown. There was no by-line when it was first published." That did it for me.

While I like to say that as a math major I am driven only by the forces of pure logic in my day to day activities, I must admit that this dream compels me to tell the truth now, or forever hold my peace and suffer the dire consequences.

## IQP Insights

continued from previous page

increased entry of women in engineering careers to thwart shortages.

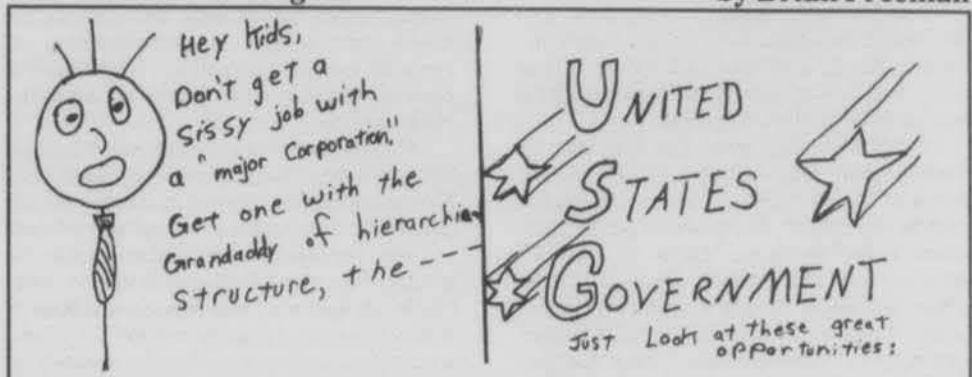
While their work in London was intense, the students were not so busy so as not to form some impressions of British society and culture in a more general sense. They remarked: "...the Brits, though reserved, were just as interested in us as we were in them...but at the agency we saw that the presence you give, and the way you carried yourself was very important...". Mark Watski commented that "...the transportation system allows you to live outside the chaotic

zone, yet you can still get into the city for work... Everything is so easy to get to...we had no problems working or integrating into a different society...".

One of the more interesting aspects of this IQP is this US student project marked the first time any electrical engineer projections had ever been done in the UK. It was anticipated that this "American influence" will "break the ice" and call British attention to needs to change the channels of communication between industry, the public sector, and higher education.

## Boo-Bu The Stick Figure

by Brian Freeman

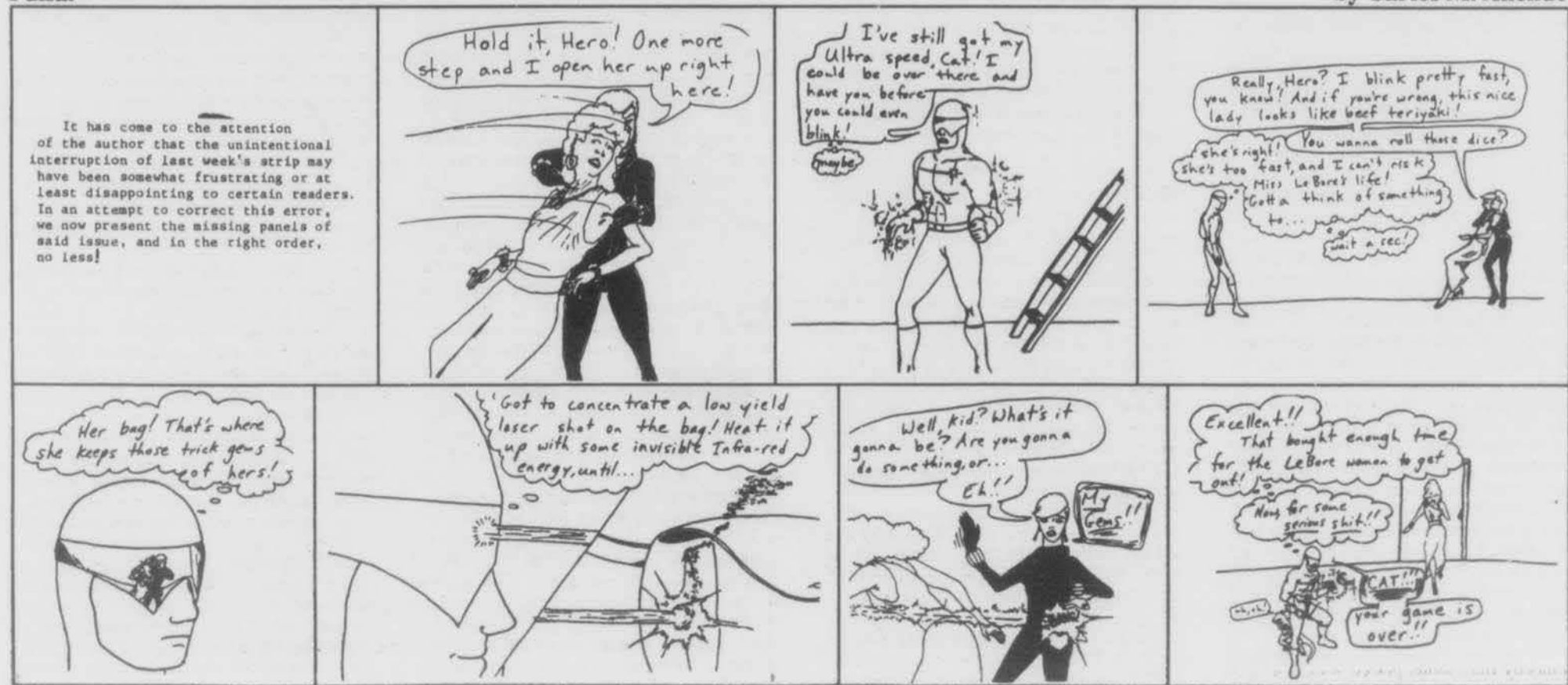


USG # 73-SOWHAT56  
Supreme Court Justice  
Permanent position (except in an existentialistic sense)  
qualifications: Messiah  
anyone who<sup>or</sup> has NEVER 1. used drugs.  
2. Treated homosexuals and minorities decently  
3. Allowed women personal freedom.  
4. Pissed off more than 50 senators.  
5. Lived.  
Existentialists need not apply

USG # 035-YESSIR 22  
Secretary of Defense  
Temporary position (except in Karmic debt)  
qualifications:  
1. Male and white  
2. Hard to spell ethnic surname  
expectations:  
inverse of qualifications  
actual results: see qualifications  
So send away now for more information.  
First 50 inquire receive Free, Free, Fi  
Tammy Bakker ©  
Make-Over Kits

## Pulsar

by Carlos M. Allende



**SPORTS**

**Women's Basketball Team Beats Framingham**

*by Helen Webb  
Sports Editor*

The Engineers lost to Bridgewater State but defeated Framingham State last week to bring the team's record to 2-4. If the Engineers can maintain the level of play they exhibited against Framingham, they should have a successful season.

The week started down for the Engineers. On Tuesday, the team competed against Bridgewater State. Bridgewater played a box defense, effectively neutralizing the offensive play of Sophomore lead-scorer Jody Normandin. Debbie Carelli, who scored 14 points, and Pam Peterson and Kathy Goggins, who scored 12 points each, had strong games, but the Engineers ended up on the lower side of the 76-58 final score.

On Thursday, the Engineers played a very good game against Framingham State, winning in the last minute on a Goggins layup and a pair of clutch free throws by Junior Donna DeFreitas. The final score was 54-51. Normandin was back to form, contributing 26 points. Although

uniformly shorter than their opponents, the Engineers dominated the boards. Senior Eileen Sullivan and Goggins, both 5'8", pulled down 15 and 14 rebounds, respectively. DeFreitas, 5'9", had 13 rebounds. As a team, the Engineers outrebounded Framingham 53-37.

Coach Naomi Graves attributes the Engineers' slow start this year to the youth of the team, but feels that, as the players gain maturity, they will improve. "Normandin has been playing extremely well, and the strength of the defense against Framingham was outstanding," she said. "Limiting the other team to one shot per possession really increases the chance of victory."

The Engineers face their final opponent of the term tonight at 7:00 pm, when Nichols comes to Harrington. Although WPI beat Nichols last year, Graves thinks it will be a tough, but winnable, game. "The team will have to look to all its strengths to beat Nichols," she said.



NEWSPEAK STAFF PHOTO / RON WEN

Engineer Pam Peterson, number 33, fires a baseline shot as Deb Carelli awaits a possible rebound in last Tuesday's game against Bridgewater State.

**Men's Basketball Team Keeps Record Even**

*by John Grimm*

The WPI Mens Basketball team kept its record even at 2-2 with a 72-67 loss at Babson Tuesday and then an 80-67 victory against Bowdoin at Harrington Auditorium Saturday afternoon.

Coach Kaufman cited turnovers as the key problem in the Babson loss. WPI was down by 6 points with 13 minutes left, and then battled to within 1 point with 9 seconds remaining in the game, but a quick foul and two Babson free throws sealed the 5 point loss. Sophomore guard Jeff Ayotte led the Engineers with 21 points.

Saturday's victory over Bowdoin was keyed by the play of the backcourt trio of Mike McCourt, Jeff Ayotte, and freshman Tom Bartolomei. An effective fast-break offense got WPI off to a quick 16-7 lead, and that offense combined with some full-court pressure and 14 points by Bartolomei placed WPI to a 42-32

halftime lead.

The Engineers were able to work the ball inside effectively off the fast-break to open the second half, and at one point led by as many as 14 points, but a Bowdoin comeback headed by Joe Williams (30 points) cut the WPI lead to 64-62 with 6 minutes remaining. From there, WPI took charge as Mark Czerepusko muscled inside for 2 of his 13 points and Ayotte added 6 more to put the game away. Center Chris Brunone (12 points, 9 rebounds) also played well.

Coach Kaufman stated that a fast-break oriented offense and more inside scoring to replace that of graduated center John Loonie are key to the future success of the squad, which faces a tough December schedule, including Amherst, who has already defeated nationally ranked Clark, and Wesleyan on the road this week.



NEWSPEAK STAFF PHOTO / RON WEN

WPI Sophomore Jody Normandin, wearing number 32, attempts a layup in last Tuesday's game against Bridgewater State.

**Indoor Track Squad Holding Its Own  
Current Record: 2-3**

*by Merl Norcross*

At the holiday break, WPI's indoor track team has two wins and three losses.

At Tufts for the first meet of the season, WPI lost to the host school while beating Worcester State College and Stonehill. Freshman Brian O'Connor won the high jump at 6 ft even. Daryle Cote was second in the long jump, Tom Schibly finished second in the Pole Vault, and Chris Labarre came in second in the 1500 meet race.

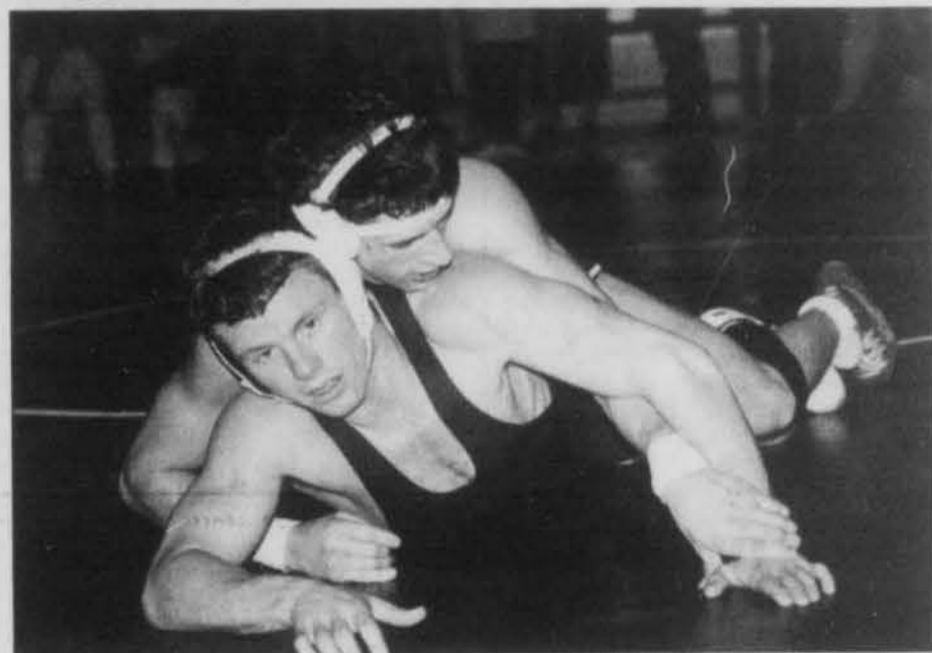
At MIT the following week, the team finished third behind host MIT and Brandeis. John Campbell was WPI's lone winner with a jump of 6'7" in the high jump. Dave Hearnin was

second in the 35 lb weight.

At the Harvard Invitational, Brian Johnson was second in his dash heat, and Brian O'Connor and Steve Sprague finished third in their hurdle heats. Mike Abbott ran a creditable 400, while Brian Foley and Alan Fosberry ran well in the 1000. Chris Labarre looked good in the 1500 while Art Resca won his heat in the 3000 meters with Phil William coming in second and Carl Benker finishing fourth.

Hein Brutsaert was second in the Pole Vault with a personal best of 14'0" and John Campbell was fifth in the high jump with a leap of 6'6".

**Wrapped Up in Wrestling**



NEWSPEAK STAFF PHOTO / LAURA WAGNER

Engineer Jason Benoit holds down his Plymouth State College opponent during a home match last Wednesday. Benoit, a 134 lb. senior Civil Engineering major, won the match 7-4. WPI won the meet, 28-9. After the meet, the Engineers' record stood at 2-0 in dual meet competition.

## 1988 Newspeak Editors Announced

Newspeak proudly announces the 1988 editorial board.

Editor in Chief: Jacqueline O'Neill  
News Editor: Bob Vezis  
Features Editor: Jeffery Coy  
Sports Editor: Roger Burleson  
Photography Editor: Chris Pater  
Circulation Manager: Tim Desantis  
Graphics Editor: Gary Delgrego  
Business Manager: Dave Perreault

Once again Newspeak has elected a sophomore to the position of Editor in Chief. Jacqueline O'Neill brings along experience from the business end of Newspeak, as well as a host of new ideas.

A management engineering major from Gloucester, Rhode Island, O'Neill began working with the paper as part of the business staff at the beginning of A-term. She has also had experience with her yearbook in high school, working as a writer, doing layout and acting as an editor in chief substitute. When asked what to expect as Editor in Chief of Newspeak for the next year, O'Neill replied, "I expect to spend a lot of time learning about WPI organizations, students, and how the campus is run, and I also expect to learn more about WPI attitudes towards world and community events."

Bob Vezis joins Newspeak as the new News Editor. Vezis, a chemical engineering major from Feeding Hills, Massachusetts, will also be entering his position as a sophomore. He has done much writing for Newspeak during the past year including a controversial item on Gompei's Place which was instrumental in its closing.

Jeff Coy takes on the position of Features Editor. The responsibility of this position, taken on by the News Editor for the past year, is once again an area of its own. Coy is majoring in biomedical engineering and joins Newspeak as a freshman. After becoming a Newspeak staff member earlier this year, Coy has written several reviews of plays at the Worcester Foothills Theater.

Roger Burleson brings a new dimension to the position of Sports Editor; he not only writes, he participates in sports as part of the WPI

wrestling team. Burleson, a freshman majoring in mechanical engineering, hails from Sunderland, Massachusetts. He joined the Newspeak staff after attending the activities fair this fall and began writing for the sports department covering much of the football season.

Elected to the position of Photography Editor is Christopher Pater. Pater, a junior mechanical engineering major from Colchester, Connecticut will be serving his second term in the position. During his first term, Pater has concentrated upon staff development and increasing the level of technical expertise and artistic development among the staff. "I'm really pleased with the abilities and enthusiasm of the current staff and hope that the paper will benefit accordingly," states Pater. Among Pater's plans for the coming year is a Newspeak photo exhibition in the Gordon Library during D-Term.

Entering the position of Circulation Manager, also for a second term, is Tim DeSantis. A mechanical engineering major from North Brookfield, Massachusetts, DeSantis has made many improvements to the department. Once the area of circulation at Newspeak had many flaws. Now the department is a well oiled machine thanks to DeSantis. He plans to get involved in other areas of the paper including writing a new column. "Through a new column I am planning for C-term I hope to gain input from the student body concerning controversial issues on campus," states DeSantis.

Gary Delgrego enters a very critical editorial position in charge of graphics. Delgrego is a freshman from Hamden, Connecticut majoring in chemical engineering. He joined Newspeak as part of the graphics staff after the activities fair during A-term.

Dave Perreault, a native of Simsbury, Connecticut, takes on the position of Business Manager after almost a year of experience with Newspeak. Perreault joined Newspeak as a secretary C-term last year. He then moved on to advertising and recently spent much of his time maintaining Newspeak's finances on computer. Perreault brings added experience as a computer science major and as treasurer of the Outing Club.

## Note To All Student Employees

The Financial Aid Office wishes to inform all student employees of the following in relation to the pay period ending 12/19/87:

1. Your timecards must be completed, signed and submitted to the WPI Payroll Department by 10:00 a.m. Thursday, December 17th. Please check with your supervisors or department head to be certain your card is complete.

2. Paychecks, however, will not be available until the usual following Thursday, December 24th.

3. Since most students will be off campus by the 24th, it is suggested that you inform your supervisor or department head if you wish your paycheck to be forwarded to you.

Also, for students interested in Direct Deposit, the Payroll Office has indicated that you

may choose this option at any time during the academic year. Please see the Payroll Office, second floor in Boynton Hall for further details.

Because of the Christmas Holiday, the Biweekly payroll schedule will change. All Employment Authorizations and Change of Status forms must be received on THURSDAY, DECEMBER 17th AT 10 AM. The pay date for Biweekly week ending 12/19/87 will be 12/24/87.

For the Weekly payroll schedule for the weeks ending 12/19/87 and 12/26/87, all Employment Authorizations and Change of Status forms should be received by December 16th. Timecards for 12/19/87 and 12/26/87 should be submitted by 10 AM ON FRIDAY, DECEMBER 18th.

order to make this monumental event more accessible to the entire WPI community, the party is being held in Gompei's Place this year, a more central location. Both RHC and SOCCOMM hope that this party will create one last opportunity for students to let loose and party hard before their final tests and the end of the term. The fun starts at 9:00 and lasts until 12:30. The organizers of this event for RHC are: Head: Jon Lamkins; Tickets: Mindy Neligon; Security: Chris Savina; Food: Jason Hubert; and Set-up & Clean-up: Brian Gosselin.

Fifty-six percent of the students said they used condoms more than they used to, and two-thirds of the students who said they'd had multiple sexual partners during the last year said they'd decrease the number. Prof. Sharon Dunwoody, who supervised the survey of 438 undergrads, reported.

## Weihnachten in Deutschland

Die Vorbereitung: Mitte November spürt man in Deutschland langsam die aufkommende Weihnachtsstimmung. Es laufen die ersten Anzeigenkampagnen und Werbespots. Die ersten Läden schmücken ihre Auslagen mit Weihnachtsmännern und Engeln. Wichtiger jedoch als der Kommerz sind die Vorbereitungen für die Adventszeit. Ruhe, Gemütlichkeit und Besinnlichkeit spielen eine grosse Rolle. Vielerorts duftet es nach Gebäck, vorallem nach Keksen und dem traditionellen Christstollen. Mütter und Kinder backen zusammen oder basteln Weihnachtsgeschenke. Weihnachtsmärkte: Leute, die zum Backen keine Lust oder Musse haben, gehen auf einen der vielen Weihnachtsmärkte und kaufen dort das beliebte Gebäck. Weihnachtsmärkte, wie z. B. der berühmte Christkindmarkt in München sind sehr wichtig, wenn man Weihnachten in Deutschland richtig erleben möchte. Massen von Menschen schlendern munter durch die Budenstrassen und Kinderaugen glänzen wie Weihnachtskugeln. Man riecht den betörenden Glühweingeruch und betrachtet das vielfältige Angebot von Geschenken, die handgearbeitet sind. Man kann z. B. Wachskerzen, Strohkörner, Silberschmuck und gläserne Weihnachtskugeln kaufen. Ausser den Weihnachtsmärkten gibt es noch Basare, die kleiner sind und meist von Kirchen organisiert werden. Die Basar haben den Zweck etwas Geld für Notleidende zu Weihnachten zu sammeln.

Advent: Wenn die letzten Basare vorüber sind, ist sie auch schon da: die Adventszeit. Advent sind die vier Sonntage vor Heiligabend. An jedem Sonntag wird eine Kerze auf einem Adventskranz aus grünen Tannenzweigen angezündet, bis am letzten Sonntag vor dem 24. Dez. alle vier Kerzen leuchten. Dieser Brauch ist sehr populär und gibt den Menschen die Gelegenheit sich richtig auf Weihnachten einzustimmen.

Adventskalender: Für die Kinder ist die Weihnachtszeit immer etwas besonderes. Abgesehen von dem grossen Schenken am 24. Dez., werden sie schon vorher mit Süßigkeiten und Kleinigkeiten verwöhnt. Alle Kinder bekommen am 1. Dez. einen Weihnachtskalender mit 24 Türen oder Paketen. Jeden Tag dürfen sie eins aufmachen, worin sich wenigstens ein Stück Schokolade, manchmal ein kleines Geschenk befindet.

Nikolaus: Das erste grosse Ereignis ist Nikolaus am 6. Dez. Zum Nikolaus muss man seine Schuhe putzen und über Nacht vor die Tür stellen. (Man sollte es nicht glauben, aber es funktioniert wirklich. Ich habe jedes Jahr etwas Süßes oder sogar einen Kalender, ein Buch in meinen Schuhen gefunden.)

Weihnachtsgeschäft: Nach dem 6. Dez. hat man dann für eine Weile vor seltsamen Heiligen Ruhe; dafür geht nun das Weihnachtsgeschäft richtig los. Ab Nikolaus versuchen die Läden zu verkaufen, verkaufen, verkaufen. Je näher man Weihnachten kommt, um so überfüllter werden die Geschäfte und um so leerer die Regale.

Heiligabend: Endlich ist es soweit: Weihnachten, das wir in Deutschland am 24. Dezember feiern. Morgens werden noch die letzten Einkäufe gemacht, Essen vorbereitet und der Tannenbaum gekauft. Der Tannen-

baum ist mit das wichtigste an einer deutschen Weihnacht. Jeder Deutsche kauft einen und die meisten Familien bevorzugen immer noch echte Tannen. Gegen Mittag geht es ans Schmücken. Auch hier haben die Kinder eine Möglichkeit Weihnachten zu gestalten. Sie hängen die Sterne, Kugeln und das Lametta auf. Lametta sind feine silbrig-oder goldglänzende Fäden. Man findet sie nach Weihnachten in der ganzen Wohnung. Die Kerzen, oft echte werden von den Eltern befestigt. Dann kann es auch schon los gehen. Gegen 18 Uhr wird meist gegessen, denn um diese Zeit ist der Weihnachtsmann unterwegs. Er legt die Geschenke unter den Weihnachtsbaum. Traditionelle Weihnachtsessen sind Gans oder Wild. Nach dem Essen wird "bescheret", d.h. die Kinder werden ins Wohnzimmer gelassen und die Geschenke werden verteilt und geöffnet. Manchmal müssen die Kinder Gedichte aufsagen oder Weihnachtslieder singen, um vom Weihnachtsmann belohnt zu werden. Wenn die Kinder noch sehr klein sind mieten die Eltern einen Weihnachtsmann oder der Vater oder ein Onkel verkleidet sich für die Kleinen. Nachdem die grosse Freude vorüber ist, sehen sich viele Familie die Weihnachtskonzerte im Fernsehen an oder spielen Spiele. Christmesse: Einige gehen um 23 oder 24 Uhr in die sogenannte Mitternachtsmesse. In Hamburg ist es besonders schön in die Michaeliskirche zu gehen. Sie ist sehr gross und prächtig und viele Hamburger kommen, aus allen Stadtteilen, Schichten und Milieus zur Messe. Die Michaeliskirche ist am Hafen, sodass man die Hafnarbeiter neben den Bankiers und die Prostituierten neben den Millionärinnen sitzen sehen kann. 1. und 2. Weihnachtsfeiertag: Am 25. und 26. Dez. wird ausgeruht, werden Verwandte besucht und viele Essen veranstaltet. Es sind die Tage, in denen man sich von dem Stress des Jahres und dem der Einkäufe erholen kann. Frohe Weihnacht und ein schönes neues Jahr!!!

**SCHOKOLADENFONDUE!!!** Am Mittwoch, den 16. Dez. wiederholen wir unser traditionelles Fondueessen. Die Deutschkonversationsgruppe lädt herzlich dazu ein. Es findet um 18 Uhr bei John Lankhoff, 29 Hadwen Rd. statt. Wer Lust hat zu kommen, sage bitte Birgit oder John Bescheid. box #216

Come and eat!!! Since our cheese fondue was such a success, the German conversation group offers a chocolate fondue on the 12/16/87. We meet at 6 p.m. at John Lankhoffs, 29 Hadwen Rd.. Those who want to participate contact Birgit or John. box # 216

**Kontaktecke!!!** Een antrekelsjk voorstel! Ben ik een erg begaafde ingenieurige student? Ja, natuurlijk!! Maar dat is niet alles. Ik ben lang (199 cm), en niet te dun, maar niet te dik. Als een Amerikaanse voetballer. Allemaal dat wou ik graag het mooist meisje is, die dit leest en het begrijpen, en die een student of ouder vrouw (missien, uit Nederland) bent. Schrijf aan WPI box # 2419

Sexy Mann Bist Du gross, hast Du blondes Haar und blaue Augen? Hast Du auch viel Geld? Ich will Dich!! Ich habe blondes Haar, blaue Augen und eine tolle Figur. Willst Du mit mir Spass haben? WPI box # 1084

## The Perfect Student Gifts: Diets, Peace & Tom Cruise

(CPS) - Here's what the American college student wants for Christmas: shopping sprees, dates with Tom Cruise, tickets to Fantasy Island and diets that work.

Those, anyway, are a few of the gifts hoped for by students at Hood College in Frederick, Maryland, in the school's second annual holiday gifts survey.

Most Hood students, however, more realistically hoped for stonewashed jeans, denim and leather jackets, personal computers, magazine subscriptions and colorful socks.

Some ambitious students also listed Porches, BMWs and Mustang convertibles at items they'd like to see stuffed in their stockings.

Less materialistic, but equally idealistic, Hood students put world peace and nuclear disarmament on their Christmas wish lists.

Also big at Hood: cassettes, bestselling books, "Far Side" comic books, turtle-neck sweaters, Converse and Reebok sneakers, L.L. Bean clothing, and subscriptions to Vogue, Elle, Mademoiselle and Rolling Stone magazines.

Nationally, leather backpacks, braided friendship bracelets and noisy jewelry that

chanks and jangles promise to be hot gifts among college students, according to the National Association of College Stores, the Oberlin, Ohio, group that monitors what sells on campuses.

And, as anyone who's visited campus's in recent months can attest, tie-dyed shirts, mini skirts and leather jackets remain popular items. On the West Coast, the association reports, '60s style biker wear is becoming hip. Coming around big for a second round, the association predicts, are coonskin hats - brought back into fashion by those clothes horses, the Fat Boys - and hula hoops.

Best sellers in campus convenience stores - items that would make great stocking stuffers - include boxes of Cap'n Crunch and Fruit Loops.

Less whimsically, Ohio State-Newark and Central Ohio Technical College are offering "the greatest gift of all - the gift of education," by selling certificates that can be used to pay for winter quarter tuition.

Like magazine subscriptions, the certificates are gift-wrapped and mailed to the student with the name of the donor included on the certificate.

## Holiday Party to Rock Gompei's

On Saturday December 19th, Gompei's Place will be rocked like its never been rocked before as Residence Hall Council, in cooperation with SOCCOMM and Lens & Lights, presents the 2nd Annual WPI Campus Holiday Party. A mere \$2.00 gains one admission to this phenomenal event featuring live music by Vital Signs and free snacks and Holiday Punch supplied by Food Services.

Last year this event proved quite successful when held in the Founders Dining Hall. So, in

## AIDS Changing Student Sex Habits at Last

(CPS) - Students just aren't pursuing the opposite sex the way they used to, University of Wisconsin journalism students have found.

In response to a survey, a majority of Wisconsin-Madison students said fear of AIDS (acquired immune deficiency syndrome) had convinced them to change their sexual habits.

# One Day at WPI

On Friday, December 11, members of the Newspeak photography staff recorded one day at WPI. Each photographer was assigned to shoot photographs of what he/she thought a day at WPI was all about. Beginning at 12 midnight on Thursday and ending at midnight on Friday, the photographers shot a total of approximately 1000 photographs. After editing, the best were chosen to appear in the photo essay on the following pages.



NEWSPEAK STAFF PHOTO/ATHENA DEMETRY

7:22 A.M. - Stephanie Lavers goes through her morning ritual to prepare for the day ahead.



NEWSPEAK STAFF PHOTO/ROB STANDLEY

12:08 A.M. - Students in Morgan relax after a hard day's work.



NEWSPEAK STAFF PHOTO/JON WAPLES

8:40 A.M. - June makes checking in at DAKA a fun-filled daily event.



NEWSPEAK STAFF PHOTO/RON WEN

8:57 A.M. - Karen Valentine serves another satisfied customer in the bookstore.



NEWSPEAK STAFF PHOTO/JON WAPLES

9:20 A.M. - Diane Brisette diligently rids her MQP of bugs in the communications Lab.



NEWSPEAK STAFF PHOTO/ATHENA DEMETRY

10:07 A.M. - Study time on the 3rd floor of the Gordon Library.



NEWSPEAK STAFF PHOTO/MARK OSBORNE

10:04 A.M. - In the President's office, Provost Gallagher, John Miller, Professor David Cyganski, and President Jon Strauss discuss office space plans for the new Fuller Laboratories.



NEWSPEAK STAFF PHOTO/MARK OSBORNE

10:25 A.M. - William Grogan, Dean of Undergraduate Studies, assists in the coordination of projects planning day with Jocelyn Smyth, projects administrator in Boynton Hall.



NEWSPEAK STAFF PHOTO/CHRIS PATER

11:30 A.M. - U.S. Letter Carrier Valerie Brooks prepares to drop off some of WPI's daily mail to Daniel's Hall.



NEWSPEAK STAFF PHOTO/MARK OSBORNE

10:40 A.M. - Jeff Pollack, '88 EE is interviewed by Fran Dance of Winchester Electronics at OGCP.



NEWSPEAK STAFF PHOTO/RON WEN

11:33 A.M. - Al Bull cooks up some burgers for the afternoon lunch hour as Rob Campbell assists.





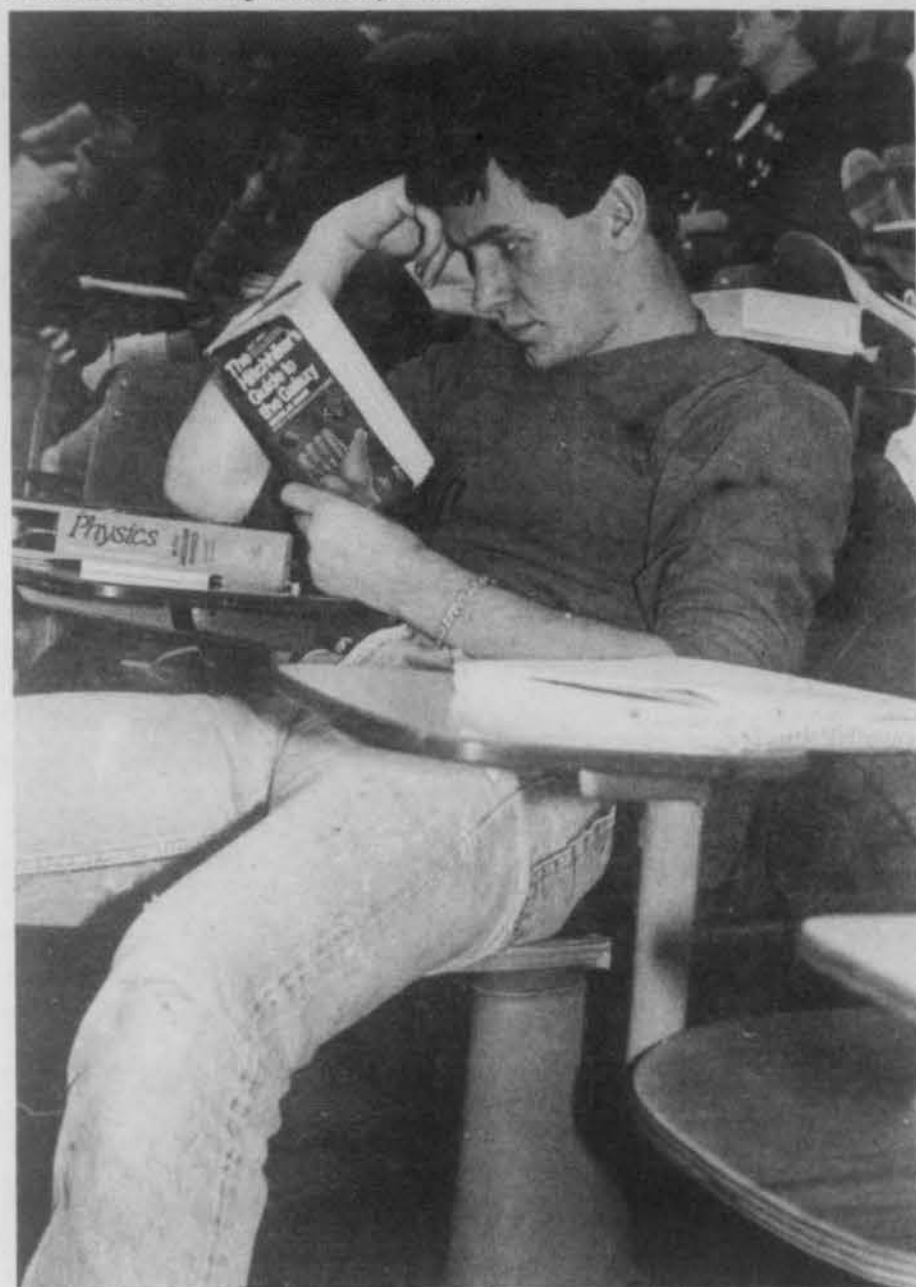
PHOTO BY ADAM LIBERMAN

11:00 A.M. - Mark Dunn spends some time sharpening his shot in the Alumni Gym.



NEWSPEAK STAFF PHOTO/LAURA WAGNER

11:35 A.M. - Karen Chmielewski takes a nap while everyone else struggles with pH concentrations during a chemistry lecture.



NEWSPEAK STAFF PHOTO/ROB STANDLEY

1:58 P.M. - a student, after losing his attention resorts to other forms of entertainment during a physics lecture.



NEWSPEAK STAFF PHOTO/STEVE BRIGHTMAN

12:45 P.M. - Dave Winicki, obviously in a hurry, chows down his lunch in the Founder's Hall dining room.



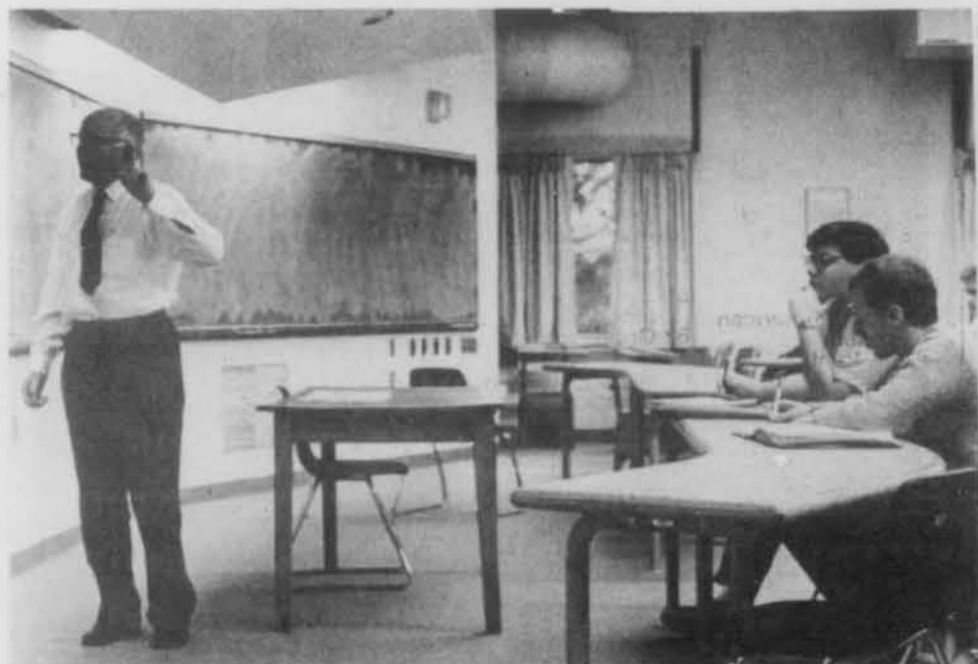
NEWSPEAK STAFF PHOTO/MARK OSBORNE

1:15 P.M. - Don LeBlanc, a campus tour guide, shows a tour group an aerial photograph of the WPI campus.



NEWSPEAK STAFF PHOTO/MARK OSBORNE

1:40 P.M. - Kathy Sherry works feverishly on a case study for her 2:30 class at CCC.



NEWSPEAK STAFF PHOTO/JON WAPLES

1:45 P.M. - Professor Krackhardt illuminates students about the subtleties of basic electronics.



NEWSPEAK STAFF PHOTO/MEGAT ABDUL RAHIM

3:30 P.M. - 3:30 P.M. rush hour.



NEWSPEAK STAFF PHOTO/CHRIS PATER

4:05 P.M. - Lens and Lights members Kyle Kelliher (ladder) and Dan Cabral prepare the lights for Alden Hall's evening performance of Hypnotist James Mapes.



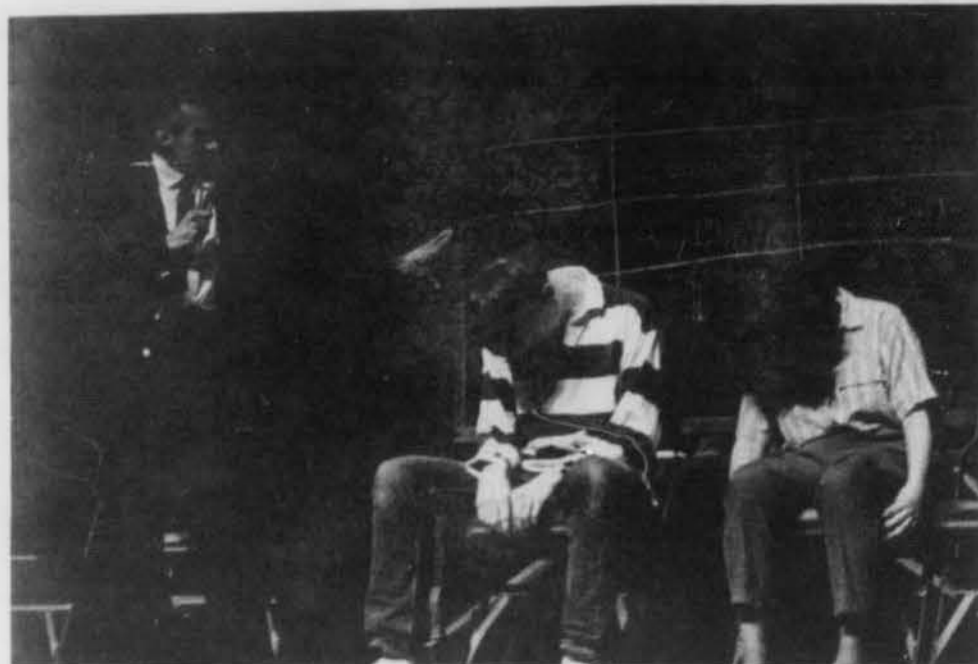
NEWSPEAK STAFF PHOTO/LAURA WAGNER

3:45 P.M. - Debbie Sifford, Sheila Fay, and Sue Walsh bring home a Christmas Tree to make their room festive.



NEWSPEAK STAFF PHOTO/KYPROS CHRISTODOULIDES

9:55 P.M. - Hypnotist James Mapes gives a demonstration of his powers of hypnotic suggestion during his performance in Alden Hall.



NEWSPEAK STAFF PHOTO/KYPROS CHRISTODOULIDES

10:50 P.M. - Mapes performs an age regression on his subjects, Amy Burrage and Lars Beattie.



PHOTO BY KAREN VALENTINE

11:30 P.M. - A member serves up the brews at a fraternity party on Friday night.

# A Frat is Banned as Racial Confrontations Continue

(CPS) - Farleigh Dickinson University suspended an all-white fraternity last week for engaging in a stick-wielding brawl between white and black students in front of its house Oct. 17.

On Nov. 11, FDU spokeswoman Alice Olick said Sigma Omicron Beta, which isn't affiliated with any national fraternity, would be banned from campus until 1991 for engaging in the brawl, and to punish it for recent violations of other campus rules.

FDU fraternities weren't the only ones to be slapped officially. A week earlier, the city of Fullerton, Cal., had warned greek houses at the University of California at Fullerton to stop their members from violating noise and other ordinances and to clean up "eyesore" buildings by Jan. 2, 1988, or face eviction.

The October Farleigh Dickinson brawl, moreover, was 1 of a series of racial confrontations that have plagued the universities of Pennsylvania, Michigan, Illinois and Indiana, as well as Tompkins-Cortland Community College in New York, this fall.

And at the University of Maryland last week, Middle Eastern students submitted a petition complaining about a "racist flyer" circulating around the campus.

The Organization of Arab Students displayed the flyer, advertising a fake product called "Arab Extra Dry" that said "You don't have to be an Arab to smell like one," and asked administrators to "condemn any form of racist humor aimed at any ethnic group on campus."

Meanwhile, the Campus Friends of Israel at the University of Texas at Austin charged Oct. 30 that a campus anti-apartheid group, The Steve Biko Committee, helped spread anti-Semitism by inviting speaker Kwame Ture to campus.

In his speech at Texas, as well as at various other campuses, Ture said, "I'll say it again: the only good Zionist is a dead Zionist."

The Biko Committee responded by inviting Jewish students to a meeting, at which member Trina Reed asserted their reading of what constituted anti-Semitism was wrong.

## The Weekly Crossword Puzzle

- ACROSS**
- 1 Quarrel
  - 5 War god
  - 9 Farm animal
  - 12 Nimbus
  - 13 Country of South America
  - 14 Before
  - 15 Spanish article
  - 16 Time gone by
  - 18 Mire
  - 20 Exists
  - 22 Repast
  - 24 South American rodent
  - 27 — Penh, Cambodia
  - 29 Old name for Thailand
  - 31 Fabulous bird
  - 32 More unusual
  - 34 Falsehoods
  - 36 Roman Catholic; abbr.
  - 37 Expunged
  - 39 Retreat
  - 41 As compared with
  - 42 Fasten
  - 44 Domesticated child
  - 45 Mischievous
  - 47 Caused by
  - 49 Bundle
  - 50 Prison compartment
  - 52 Short jacket
  - 54 Goddess of justice
  - 55 River island
  - 57 Toward and within
  - 59 Symbol for tantalum
  - 61 Grain
  - 63 Century plant
  - 65 Walk unsteadily
  - 67 Expire
  - 68 Indefinite number
  - 69 Direction

- DOWN**
- 1 That woman
  - 2 Word that reads backward and forward
  - 3 Indian mulberry
  - 4 Cover
  - 5 Part of church; pl.
  - 6 Sell to consumer
  - 7 Teutonic deity

- 8 Total
- 9 Evergreen tree
- 10 Either
- 11 Pronoun
- 17 Forenoon
- 19 Above
- 21 Soft drink
- 23 Den
- 25 Connects systematically
- 26 Give one's adherence
- 27 Written in verse
- 28 Army meal
- 30 Encounter
- 33 Sand bar
- 35 Pierce
- 38 Challenge
- 40 Mohammedan priest
- 43 Medicinal preparation
- 46 Piece of dinnerware
- 48 Medium of exchange
- 51 Roman 51
- 53 Symbol for niton
- 56 Scottish cap
- 58 Native metal
- 60 In music, high
- 61 Hypothetical force
- 62 Three-toed sloth
- 64 Note of scale
- 66 Babylonian deity

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67				68				69			

COLLEGE PRESS SERVICE

### What the Heck is This?

Last time, Michael Gerard correctly identified the shot of "the rock" in front of Boynton Hall and won his FREE Domino's Pizza. Unfortunately, due to the term break, there will be no puzzle this week. Be sure to try your wits next year and win. It's easy.

You're smart enough to calculate the size of a Hydrogen atom.

And you're still smoking?

U.S. Department of Health & Human Services

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## In Crash's Debris, Building and Pension Funds May Have Suffered Most

(CPS) - College money managers say they're still trying to dig out from under the debris of the precipitous "Black Monday" stock market crash of Oct. 19, but some students seemed to have done pretty well, at least on paper.

In an investment game designed to teach students how to manage stock holdings, for example, Babson College (in Massachusetts) students' "portfolio" dropped "only" 5.7 percent in October while the real stock market plunged nearly 30 percent, Prof. Bob Kleiman reports.

Business departments often let their students manage real or imagined stock portfolios, learning to "buy" or "sell" stocks to maximize "profits."

Inevitably, some of the student investment clubs did worse than others in the crash, during which The Dow Jones Industrial Averages fell a record 508 points in 1 day, and in the wild swings of the market in subsequent weeks.

At the University of Nebraska, for instance, business students lost a real \$43,000 from a portfolio worth \$300,000 before Black Monday.

Yale's student investment club lost about \$100,000 in the crash.

And campus business managers didn't do any better.

Many colleges own portfolios that include stock holdings, and use the profits to pay for capital improvements and to provide for student financial aid.

Most campus portfolio managers, however, noted colleges typically are conservative investors, and that the crash consequently may not hurt them in the long run:

+ The University of Pennsylvania lost \$40-50 million during the crash, a 15 percent drop. The loss could have been worse, but the university, sensing the stock market would go through a "correctional phase," had sold a significant percentage of its stock holdings prior to Black Monday.

+ Penn State lost less than 10 percent of its \$130 million endowment, and officials there also say the pinch should not affect daily operations. "We will still be able to fund all programs," said senior vice president for financial operations Steve Garban.

+ The University of Southern California's \$160 million stock holdings dropped 13 percent, or \$20.8 million, on Black Monday.

+ Duke postponed issuing tax-exempt bonds that would help finance several capital improvement programs, figuring the bonds would be hard to sell now. "The volatile stock market could scare bond investors," said Mark Reeder, an E.F. Hutton broker in Durham.

+ Faculty members nearing retirement will bear the brunt of the stock market's volatility, and critics of higher education's largest pension companies said the pension managers are too rigid in their planning. The Teachers Insurance Annuity Association and College Retirement Equities Fund (TIAA-CREF) delayed establishing other investments for faculty members, denying them a port in the stock market storm.

CREF funds lost 18 percent of their value during October as the company explored new and more flexible investment vehicles.

+ College fundraisers say the market's violent swings have diminished prospects for year-end giving and capital improvement campaigns. The University of Arizona, for example, has delayed construction of football stadium skyboxes because the shaky market has raised concerns about financing the project.

+ Students interested in working as brokers will face stiff competition for jobs and may have to work in related fields until the stock market stabilizes, a University of Iowa job placement officer said. "Until the stock market recoups, the hiring that investment firms do will be limited and highly selective," Nancy Noth said. "It should make students take a strong look at what they're doing right now."

Babson students, though, are happy about "The Wall Street Game," the investment game they've been playing since September.

"The product is quite good, particularly for intro courses. It's realistic," Kleiman said.

The game, marketed and developed by Babson alumnus and former stockbroker Tim DeMello, allows students to buy, sell and trade stocks in the American, OTC and New York stock exchanges. Although no real money changes hands, the students are given mock \$100,000 accounts to "invest."

Students call a toll-free telephone number at DeMello's office to arrange deals with "brokers" who, through satellite and computer hook-ups, have immediate access to the New York-based exchanges. "It's a direct duplication of what brokers do," said DeMello.

"The students get to manage portfolios and the universities can provide hands-on education without incurring liabilities," De Mello explained.

Other schools use closing prices from The Wall Street Journal to determine how well a student manages a portfolio, but closing prices don't indicate the value of a stock when it is purchased or sold, he added.

"They can do anything that's done on Wall Street," DeMello said of Babson students.

## The Perfect Gift Available from Consort-A-Date

Wondering what to buy those single roommates and friends of yours for the holiday season? One gift they may never forget is a membership to Consort-A-Date, the dating service exclusively for Worcester's college students. Consort-A-Date is a great way to meet compatible members of the opposite sex at any one of the ten colleges belonging to the Worcester Consortium. More and more students interested in meeting are becoming involved in Consort-A-Date everyday.

In December, Consort-A-Date is offering a special holiday gift package. All one must do is fill out a form with the names and addresses of those the membership is for. Consort-A-Date will notify those people of the gift you have sent and will send along an application to be filled out and returned by them. Additionally, the gift giver may send a small holiday greeting message to be included in the envelope. Special low prices are available for those who participate in the

holiday offer. For complete information about Consort-A-Date and a holiday gift package order form, send a note to: Consort-A-Date, Box 404 Federal Station, Worcester, MA 01601. Please enclose a self addressed envelope to speed your request.

### PUZZLE SOLUTION

S	P	A	T	A	R	E	S	C	O	W
H	A	L	O	P	E	R	U	E	R	E
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### Do You Have a Clue?

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Worcester, MA 01610  
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# We Ask WPI

*If you were manager of DAKA for a day, what would you do?*

*by Steve Brightman and Mike Wroblewski  
Newspeak Staff*



**Steve Cabral '89, CH**

"Hire someone of legal age."

"Make sure all the soda and milk machines are filled at all times. I used to do that when I used to work, and they don't do it here and it's a big shame. That's the only problem I have with the place. It really isn't all that bad though. It has better food than some other colleges."



**Brian Jacobs '88 EE**

"I don't know. In essence you're asking what's the worst part of daka. I'm thinking. I'm thinking. I would like the meals to be hot day in and day out. That could be nice... I don't know. I always complain about it but you never know what the worst part of it is. Maybe I don't despise it as much as most people do. All in all it's pretty convenient. That is why I don't live off campus. That's about it. Usually they have at least one good thing to eat on the menu a day."



**Maureen Theis '89 MEB**

"I'd change the fruit salad. I think it's so awful that they put grapefruit in it. What else would I change...the freshness of the food is really important. And for one thing, I'd get rid of the wilted lettuce - that's got to go. Seriously, though, I think their lunches are pretty good. I think their choices at lunch are good. I think it's good that they have a deli bar. But the dinner choices are pretty awful. I don't like the way they're cooked. The quality is very low. And grease, there is too much grease in the meals."



**Mary Sexton '89 MGE**

"I'd try to get service faster especially at dinner. Try to have potato chips and nachos out without violating health hazards. Make sure everything is cooked right; not over or under cooked, and have more vegetarian dinners, especially on Friday."



**Rob Nelson '91 ME**

"I'm sick of Italian Food ... So I'd get a different menu. Desserts are fine... blueberry pie is cool."



**Mary Beth Liener '90, ME**

"I'd quit! Because it's a 'sucky' job and nobody like you because the food is really bad. And everybody complains and it wouldn't be any fun."

"Actually, the food isn't that bad, but everybody makes it out to be like really really bad; sometimes it's good."

## COME JOIN THE ANNUAL W.P.I. CHRISTMAS MASS

in

**ALDEN AUDITORIUM  
SUNDAY, DEC. 20 10:00 PM**

Most Rev. George E. Reuger, D.D., Auxiliary Bishop  
of Worcester, will be celebrant.

**Come - Bring a friend - All are invited  
Let us celebrate Christmas on campus**

There is no Sunday Mass on campus Sunday, Dec. 20

# Greek Corner

## ALPHA CHI RHO

Happy Holidays to everyone. The brothers have truly experienced the Christmas spirit over the past few days. Both the tree trimming and the party turned out to be a lot of fun. The promised power-nogg proved excellent, putting even more of the season atmosphere into the last few weeks of B-term. We hope that Billy will not play Acey-Ducey again. If he does, Pete and Jim hope he will let them know. Speaking of the season atmosphere, here is a little reminder to our pledge class: only a few days left till the pages are due.

On another note, we got involved on the civic front during the entire term. Our annual park cleanup turned to be beneficial to both the house and the city of Worcester. Also, the brothers shared the Christmas happiness with a group of youngsters. We held our annual children's Christmas party, making the young guests feel welcomed at our house. Congratulations to brother Mike Pomerleau, and the others involved, for organizing the party well and choosing a good selection of gifts. Merry Christmas to everyone from the brothers and pledges of Alpha Chi Rho.

## ALPHA GAMMA DELTA

Congratulations to our 19 newly initiated sisters: Kathy Goggins, Patti Newcomer, Wendy Fitzgerald, Lisa Pearson, Tracey Barnes, Audra Ayotte, Leslie Thomas, Amy Starvasky, Amber Choma, Lori Currie, Anna Cushman, Shanim Hasan, Becky Harasimousicz,

Sara Glow, Ann Miller, Donna McKenna, Lisa Chabot, Holly Morrison, and Karen Chmielewski!!! Also, congratulations to the London-bound AGD's: Nancy McLaughlin, Chris Hajjar, Patti Newcomer, and Stacey Cotton!!! "Eiriki pretend that you love me!!!" Patty sing "It"! especially if it goes to your buddy on the floor - haha! "Oh, mighty ISIS". Whose boutinier is still in the fridge? Did you hear about the POWERTOOL dream? Yikes, did the grinch take our kitchen with the tree? thanx for an awesome Santa, Jennieybell!! By the way, is that Mr. or Mrs.? Here's to the Alpha Gams for a great Christmas Dance! With floating balloons! Call now to order your twelve-tape jet which comes with a free Vegematic. Well, Egg, I hate to do it but you've been de-egged.

## SIGMA PHI EPSILON

These are happy times in the Sig Ep Brotherhood as many an Ape have been drinking incessantly. The Holidays are just around the corner which means we are all anticipating the New Year's Eve Blowout.

Congratulations to Neal Sabourin, our new Zookeeper (President) and all of the other officers. We are all pulling for Earl in hopes that we can keep the liability suits to a minimum, though it will be tough.

The pledges seem to be learning our ways as illustrated by their Kamikaze Party where many a pilot got bombed.

It's good to see that the Late Saturday Main Event Wrestling Matches Have resumed in the Party Room. The Yiddish Bulldogs (Levy & Stumpy) posted a victory as did Neil 'flab'

Sabourin. Scheduled in the future we have a tag team match-up of the infamous Bala-Kamala with Shiva, the Worldly Hut vs. Bobby 'invisible man' Margues coupled with Omal the Sanddigger from Bangleadesh.

Well, that's what's up in the Jungle. !Harben Zunting! and our steward is a Cave dweller.

## THETA CHI

Last Friday night our pledges did an excellent job running our pre-Christmas party. They handled everything from set up to cleanup the next day. The brothers appreciated their extra effort which made the party as successful as ever. Speaking of parties, our Christmas party is now just days away. It's now or never for all brothers without dates, better hurry up. Our Santa has yet to be railroaded into position this year. Looks like we'll have to have a random drawing from the Fat Man Club list. We would like to thank Phi Sig Sig for the caroling as well as the house Christmas decorations.

Yes, it actually happened, Wholey won the pool tournament, sans his shirt of course. Gweeks gets the cue ball award. Congrats to Sped for, well...his increased activity. AGD

gets the Michaelangelo award. Once again, term's end is upon us. Theta Chi would like to wish everyone the best of luck in completing their B-term course work, a merry Christmas to all, and a happy, non-liable New Year.

## ZETA PSI

Congratulations to the new brothers - You made it!

- Tony Ferreira
- TJ Greaon
- Nathan Crowell
- Adam Pease
- Marshall Robin
- Tom Trostel
- Pete Chestna
- Jim Pepin

We would also like to thank you guys for being the life of the Christmas party. Ueker, you love God! Joel would like to thank Tony for the new nephew (Holy Cow, she's late!) How old was this one Adam? 16?15?

Zete's intramural basketball remains undefeated (3-0) after winning last week 44-40.

Congratulations to Pete Chestna for winning WAAF's Ultimate Rush contest.

# Club Corner

## ALPHA PHI OMEGA

Reports and comments on the APO Christmas Bash: How many people were in Maria's Bed on Friday Night?? ... Stomp why don't you model your gift? ... No, I will not model the present Herm ... Where do the wild turkeys roam. Gobble, Gobble ... Hey who are those people glowing in dark? ... Hey Jen, how long can one roll on the famous "rug" ... Maria - do you always wear a leash ... Michelle, don't worry. We're not really mad at you! Just stop spilling on us!! ... Come on Jon. Take off the towel! ... Congratulations to the pledges on their successful Bowlathon and while I'm at it congratulations on being inducted as brothers on Sunday. Thanks to everyone who did the Ring-a-Ding for the Salvation Army and the Great Prospect House Cheese give away. Everyone get psyched for the Big Screw in C-term. Oh yeah, Merry Christmas, Happy New Year, and have an awesome break. See ya!

## HILLEL

The day of that very special Chanukah party for which all you Hillel members have been so anxiously awaiting ever since you read last week's Hillel write-up has finally arrived. In case you lost the informative flyer which was sent out to you by Steve Weiner, Hillel's secretary, (actually, Steve designed the flyer and then conveniently managed to get sick so that Rob Mendelsohn could duplicate and distribute it) meet in the upper wedge no later than 5:15 this evening so that we can reach Lesley College at a reasonable time. See you tonight!

## IEEE

IEEE's Engineering in Medicine and Biology Society presents "New Technologies in Biomedical Engineering," a video conference. It will be held Wednesday January 20, 1988 from 10:30 a.m. - 3:30 p.m. For registration information please contact Joel Kent at 793-5009.

## WPI WIRELESS CLUB

Club elections were held at last Wednesday's meeting. Here are the results:  
 Bob Inderbitzen KA2PZD — President  
 Alex Kuhn N1FGX — Vice President  
 Bob Morales WP4BQV — Treasurer -  
 Second Term  
 Michael Kentley N1EXT — Secretary -

Second Term  
 Dan Malloy KA1RDZ — Repeater Control Operator

These officers take effect as of January first. Congratulations to all our new (and reelected) officers!

If you've got something to say, then get on 2 meters at 5555 simplex every weeknight for the official GripeNET.

Operation Santa Claus is scheduled for Thursday the 17th. We will be visiting some children in the hospital and giving them a chance to talk to Santa! For more info, contact Bob 'El Presidente' Inderbitzen at box 1993 ASAP (or ext 5446 up in the shack. He's always there.)

The W1YK Christmas lights are all wired up and are clearly visible from 290, thanks to PZD and PIU. According to BQV, they can be seen from the Worcester Airport as well!

The next club meeting (the last of 1987!) will be held on Tuesday, December 15 (today!) in Salisbury Labs room 011. All are invited to attend the meeting. Classes for the Novice class license exam are coming up at the beginning of January. If you are interested in learning about Ham radio, now is the time to begin. Contact Michael Kentley box 1186 or Joe Fitzgerald box 1873 for more info and to get on the club mailing list. See you there!

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ITALIAN

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Apartment for rent. Three bedrooms. Ideal for three or four students. Off Highland Street. Clean, quiet, other WPI students living in building. Call 835-2806

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Is It True You Can Buy Jeeps for \$44 through the U.S. government? Get the facts today! Call 1-312-742-1142 Ext. 5883.

Won't someone PLEASE buy Dave some sexy underwear??!!

**FOUND:** In Alden Hall Sunday night (Dec. 6) after movie: one pair of sunglasses. If these might be yours, call Jim Fowler at 752-9858.

Tuesday night, meeting at 6:30 in Stratton 201 for people interested in South African policies & activities. Everyone is welcome.

Don't forget about Pathways over your holiday break. Be creative and write some poetry or do a pen and ink drawing. It is never too early to submit.

Phi Sig Sig X-mas shop in the Wedge Mon thru Thurs - lunch time.

Guess what's coming? Watch for Pathways and experience the creativity at WPI.

Boyfriends, Grandmothers, and little sisters - get them all something at the Phi Sig Sig X-mas shop.

To the woman with ideas: Congratulations on being voted the new E-I-C!

Your Roomie

11 to 1:00, Mon thru Thurs., Phi Sigma Sigma Christmas Shop.

Good Thag, Have another beer! Are you sure there was a plot? By the way, Gin - I win!

Nice thought, roomies, but Friday wasn't the day... but at least I made it to class, unh!

Be all YOU can be. Be the E-I-C!

Well, guys? Hampton Beach '88? Without Rottermans & abusive male landladies? (But keep the baking and beverages!)

Goose, Call the ball! Was that "cardinal" knowledge? On the premises! Turn-n-burn! Mav. p.s. Call 'em Gigs!

Congratulations to the newest APO Brothers!!!

Love APO

Jon and Jen- I saw you leave the room together Saturday night. What's the story?

Joe- we got the Christmas gift you wanted but you'll have to buy the ammunition.

Your roomies

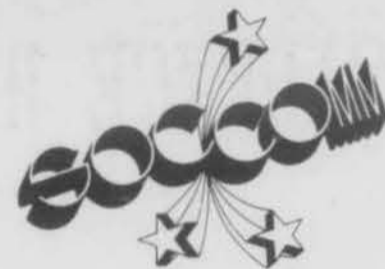
See you all at the Holiday Party in Gompei's Place this Saturday!

Neil- All that Ladies' Wrestling is affecting your brain, get a girlfriend.

Anybody know where I can get some no-bake cookies, I need a sugar high.

Don't forget to save your free Christmas calendar.

**HILLEL**  
Wishes  
the WPI Jewish  
  
Community a  
Happy Hanukkah



**DON'T MISS THIS!**

Comedy Coffeehouse  
in Gompei's Place

Tonight, Tuesday Dec. 15th  
8:30pm

Laugh off the rest of B-term

**PARTYING??**



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WORCESTER'S LARGEST VARIETY TAKE OUT FOR SNACKING, DINING OR PARTYING

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## What's Happening

**Tuesday, December 15, 1987**

11:30am-1:30pm-- Campus Ministry Gathering, Wedge  
8:30pm -- Comedy Coffeeshouse, Gompei's Place

**Wednesday, December 16, 1987**

Hillel Hanukkah Party

**Thursday, December 17, 1987**

9:00pm -- No Frills Theatre "The Meaning of Life", Holy Cross Air Force ROTC building, Free

**Sunday, December 20, 1987**

10:00pm -- Christmas Mass, Alden Hall

**Tuesday, December 22, 1987**

11:30am-1:30pm -- Campus Ministry Gathering, Wedge

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WEDNESDAY:	Broiled Seafood Platter	SATURDAY:	Prime Rib

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### PRESENT

## THE WPI CAMPUS HOLIDAY PARTY

Featuring **VITAL SIGNS**

Saturday December 19th, 1987

From 9:00 to 12:30 in Gompei's Place

Admission: \$2.00

Free Refreshments and Holiday Cheer Provided



# Newspeak



*Seasons Greetings  
from the  
Newspeak Staff*

DECEMBER 1987

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

JANUARY 1988

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
						31

FEBRUARY 1988

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
	28	29				