

Newspeak

The student newspaper of Worcester Polytechnic Institute

Volume 4, Number 3

Tuesday, February 17, 1976

\$250,000 saved in 2 years

Energy conservation at WPI

by Craig Vickery

WPI CLOSES.
It was a possibility two years ago. During the Energy Crisis in 1973 WPI was caught in a tight spot. The oil companies had established priority lists, headed by industries and homeowners, with educational institutions near the bottom. The electric company also wanted cutbacks, demanding a twenty per cent reduction in electricity use. A committee was formed to deal with the problem and it gave a choice of ten options to the President, one of which was to close the school. Fortunately, this was rejected for an energy conservation program. Mr. Gardner Pierce, head of plant development and planning, and coach of the energy conservation program explained to NEWSPEAK what was done.

A major energy drain on the campus was the heating system. For years the philosophy had been to put out full steam and open a window when it got too hot. The heating system was not operating as efficiently as it could, and was in need of servicing. Heating needs for each building were calculated and WPI negotiated with oil companies through the Consortium for

higher grade oil at lower prices. Heating systems were overhauled and fine tuned, all by WPI staff, the only job requiring specialists being Kaven Hall. A monitoring system was set up so that temperatures are checked in each building four times a day to correct any heating problems. A hot water heater was installed in the gym so the boilers would not have to be fired to heat water for the showers, and need only be started in cold weather. Most recently, airlock doors were installed in Daniels to prevent heat from blowing out the door. These measures resulted in a 38 per cent drop in oil consumption in 1975 over 1973.

Electricity was also cut down by 19 per cent, however this figure is misleading because WPI is not charged by the kilowatt-hour, but by peak demand, WPI is billed for 80 per cent of its peak demand, even if the actual usage is lower. By cutting down on its peak power usage WPI was able to reduce its electrical costs by 26 per cent. This was accomplished through monitoring and control much like the heating system. A meter was installed that gives readings on energy consumption every 15 minutes. Peak load periods were established and now whenever there is a

large electrical demand WPI's generators are thrown into the system to keep the total commercial power consumed to a minimum. The Chemical Engineering Department agreed not to run high voltage research and classes at the same time, thereby lessening the risk of raising the peak. Timers on lighting systems were tried for a while, but they did not survive three weeks in the hands of some WPI engineers who didn't like to keep resetting them. These refinements and additions resulted in savings of over a quarter of a million dollars at an outlay of only \$68,000.

For the future, Mr. Pierce said another electrical generator will be installed, this one being run off the heating system. Currently, the school is heated by high pressure steam, but low pressure steam would do the job just as well. By installing a turbine in the high pressure steam line

electricity can be generated by the steam's transition from high pressure to low pressure steam, which would then go out to heat the buildings. Mr. Pierce also said he would like to see insulation of the steam lines, thermopane leakproof windows in Riley, and solar energy is also being considered, although it may be a while before it is practical. By these measures he hopes to cut oil consumption another 12 per cent and electricity 6 per cent.

Mr. Pierce welcomes student involvement. In the past projects have been done in recycling, and in solar energy with Prof. Wild. If you haven't got any suggestions or ideas, you can still help by turning off lights when not in use and keeping the heat down by turning off radiators and not opening windows. If this seems like too much hassle, remember, you will be paying for it next September.

Will have new student lounge

Salisbury renovation

by Alwyn Fitzgerald

Salisbury Laboratories has been undergoing extensive renovation for some time now. The building is one of the oldest and most important structures on campus. The idea of renovating it was originated out of necessity. The other buildings, with the exception of the Washburn Shops, were in better condition than Salisbury and the Laboratories serve as a vital facility for many departments. The Humanities, Social Science, Management Engineer, Life Science, and Bio-medical Engineering departments were situated in the building and will be returning when the renovation is complete. Since the time the work got under way these departments have been temporarily relocated in the other buildings on campus, cramping everyone.

The total cost of reconstruction is about forty per cent utilized at this time. Although the construction is a few weeks behind schedule, all of the concrete has been poured, the plumbing installed, much of the major fire retardant devices have been installed, and the major trusses erected. As Gardner Pierce, Director of Physical Planning and Plant Services, explains, "It's a little harder to renovate a building than to construct a brand new one." The

renovation is a large undertaking and slow-ups were not unexpected. The building now has heat and has been sealed-off to make work on the inside possible. It is estimated that it will be June of this year before the renovation is completed and departments moved back in.

The prime contractors, Granger Contracting Co., are the same ones who built the Wedge, Ellsworth and Fuller, and renovated Daniels Hall. One of the many striking features of the new Salisbury Laboratories is the student lounge section being set aside. This area covers a large portion of the first floor and will be open to all WPI students. Kinnicut Hall, the large lecture hall in the building, is also being remodeled and improved. The room will not only be used as a lecture facility but a stage area, as well (for theater performances). The night study facility will be moved to Salisbury along with the installation of new computer terminals. In short, due to the invaluable functions it will serve, the renovation of Salisbury Laboratories is an enormous asset to the campus. The renovation of Sanford Riley Hall is the next consideration once the work on Salisbury is completed.

Computer tie-in a possibility

IMPRESS at WPI

by Toby Gouker

Last Friday, Feb. 13th, a demonstration of the IMPRESS system, a massive collection of social data and statistical routines developed by Dartmouth was demonstrated at WPI. The school is now considering ties with this system on a time sharing basis to aid in the development of projects on campus.

The system is set up on Honeywell equipment and actually consists of a large library of classic data sets and techniques

to analyze the data. Capabilities are also available to analyze your own data. Data sets include such things as the General Social Surveys, Housing studies, and foreign countries.

Access to the system is made available by Dartmouth for about \$600 a month. However, the system is also accessible through NERCOMP, (New England Regional Computer Program). The charge through NERCOMP can be arranged at about \$6-8 per connect hour.



Salisbury....inside

Photo by Bryce Granger

Traffic apathy shown

by Ed Menard

Last week's meeting of the TPSC showed that apathy still abounds the campus. Present at the meeting were about 8 people, most of whom we had never seen before. (Not that I'm complaining about new members, but where'd the old ones go?)

Anyway, you'll all have your chance to show up again this coming Wednesday, February 18th at 7:00 p.m. in the Wedge. Petitions are being circulated from the surrounding residents. At the present, we

have roughly 250 signatures, mainly from students, with a goal of 1000.

Hopefully we will be filing the petition by this Friday, with it being on the City Council agenda the following Tuesday night. This is just as a note so you can think about perhaps setting aside about an hour to come to that meeting to support our cause. A show of numbers should be impressive to the Council.

Just in case you missed it somehow and still don't know what we're about, a list of actions being asked of the city council was printed in last week's *Newspeak*.

Student employment

The WPI Undergraduate Counseling and Placement Office is established to develop opportunities for students who wish to include in their total program extended periods of pre-professional work experience alternating with their academic study program. This program will have special interest to freshmen and sophomores whose schedules are in the formation stage. Periods of full-term employment can provide handy exposure to career goals, enhance learning motivation

by integration of study and practice and provide alternate means of meeting college expenses. — And can provide an "experience" factor which will be useful when seeking employment following graduation.

Frank C. Brenner, Director of Undergraduate Employment Counseling and Placement will be available to provide additional information in the Gordon Library Seminar Room from 10:30 a.m. to 12:00 on Planning Day, Feb. 18th.

Editorials: Not again!

In the past few weeks, we have asked, begged, pleaded and otherwise coerced members of the WPI community into helping in the production of *Newspeak*. It seems to me, anyway, that we have made some progress in this area, as this issue attests. We still have a long way to go, but we are moving in a positive direction.

The point of this editorial is not really to recruit. It is really to thank the people who have worked long and hard the past three months to keep this paper alive and rolling. It is not an easy job, and they all deserve credit. Art Girard and Sue Wright have taken on the job of Graphics editors, which is one of the most difficult and time consuming, and have done excellent jobs. The business, sports and advertising departments, who have kept us supplied with various necessities, are also deserving of thanks. Bryce Granger, our photography editor has been working double duty to keep us inundated in 8x10 glossys, though minus the paragraphs, circles and arrows on the back. Our few writers, busy as they are, have managed to overcome the Techie's dread disease, apathy, to produce some worthwhile and informative articles. Most of all, Toby Gouker, who has tried everything from a smile to kidnapping to get those writers, deserves credit. These people are what keeps us in business, or at least keeps you informed. I am proud to have these people working for me. We may have a disadvantage in numbers, but we sure as hell make up for it in dedication.

Rory J. O'Connor

Respect . . .

This is supposed to be an editorial. Well I've never written one before and I'm not quite sure how to do it so bear with me, if you wish. If you don't wish, you may go straight to the letters column for all I care. I am told an editorial contains commentary. I'll try to put as much commentary as possible in this. You don't have to respect my opinions if you don't want to. I really don't expect you to, since you probably don't know me. But that has nothing to do with it. Even though I believe in my opinions, I don't really hold great store in them, and I don't think you should respect your own opinions either. But if you happen to find that your opinions are the same as mine then we can both respect our shared beliefs more faithfully.

Anyway. Keeping sort of in the same vein, (that is, regarding respect of people's opinions) I'd like to talk, write rather, about apathy. Not just student apathy, not political apathy, but apathy in general. A lot of things have been said about apathy on this page recently. I won't attack my colleagues on the subject, but I would like to present to you my own opinions about it. Personally, I don't like the word, apathy, or the idea behind that word. But I especially dislike the way it's used by apathy-haters to try to generate spirit. I myself am apathetic to many problems in the world, in my country, and even on this campus. I don't think anyone can say that I have a responsibility to this school or to anything else, for that matter. At least, I don't feel responsible. I'm not even sure I have a responsibility to myself. You may not be sure about your responsibilities either. If you do feel responsible toward something, then by all means, you should act. But don't let anyone tell you what to do. Perhaps I am being disrespectful to you by suggesting you follow my philosophies. I apologize for that. I just want to strengthen in you something you may have believed all along. Something someone once wrote comes to my mind right now: "To thine own self, be true." Corny, right? Probably, but he believed in that statement and I believe in it, too. So maybe it's an opinion worth respecting.

I'll end this whatever-you-may-call-it with one more bit of philosophy:
Keep An Open Mind.

Arthur J. Girard

Letter: Thanks, WACCC

To the Editors:

I want to be the first to thank Al Johannesen & Co. of WACCC for what has to be recognized as the first large, successful change in a policy at WPI since the implementation of the Plan. I'm sure everyone who uses the PDP-10 here at Tech knows of the changes, particularly in "games" programming rules, which were promulgated by WACCC several weeks ago. Since that change, I have been amazed and gratified to find that the new policy has caused an unprecedented increase in computer performance and terminal availability. Surely the system wizards at WACCC have increased our system's performance by their work on the operating system and CUSP's, but the few hours spent on the new policy has increased the system throughout in a way that months of careful hacking could not have equaled. Therefore, I celebrate the fact that WACCC is blessed not only with talented system programmers, but with

clear-thinking and efficient system managers.

Another nice change at WACCC has been the switchover from the old "leave me alone, we're doing the best we can" attitude, to a more optimistic philosophy, attempting to wring ever-better turnaround time from the tired old SPECTRUM. Even if the only difference noticeable was change in signs from "Our operator has described turnaround time as \pm infinity" to "Together again, Pride and Turnaround Time", at least one knows that rather than the dejected, bored I.O. personnel throwing decks listlessly into the cardreader, someone is more likely going to carefully stack them, trot into the machine room with a smile, and say to the operator "here come some nice easy WATFOR jobs." Certainly most of the I.O. personnel have new spring to their step, and are more willing to go see if a job is out yet, etc.

Perniciously...
Gary Helmstetter

Student gov't. elections

Student Government elections for President and Secretary for 76-77 will be held Thursday, March 4th from 10-4 in Daniels Hall.

Both these positions are crucial to the operation of an effective Student Government. It is the President's responsibility to chair the Executive Council and see that all facets of the government work as they should. He will be looked towards to initiate new programs and see that existing ones are improved. He is an ex officio member of every committee and has important input into many areas. He is also a member of the Presidential Board of Appeals, Pub Board of Directors, and a trustee's subcommittee. The Secretary works closely with the President in the

running of the government, and is responsible for taking the minutes of meetings. These offices require time and effort for the proper operation of the Student Government.

Candidates for President must be full time juniors at the time of their election and candidates for secretary must be either juniors or sophomores. Both these require that the office holder be in academic residence 3 out of 4 terms.

All interested candidates must submit a petition of 50 signatures of full time undergraduates to George Hefferon (R310), person, by 4 p.m. Friday Feb. 20th.

Questions should be directed to George Hefferon or Dean Brown, Office of Student Affairs.

Housing

The Residence Hall Committee should complete the housing proposal by the end of this week. That means the room draw will probably be Thursday, March 11th. You should *seriously start thinking* about where you want to live next year. You will be given plenty of time once the proposal has been posted but don't wait till then.

We're leaning towards three lotteries. One for Ellsworth and Fuller, one for women's housing in Daniels, Riley and Stoddard, and a general draw for men in

Daniels, Morgan, Riley, and Stoddard. A helpful suggestion might be not to crowd on less than 6 people in a 7 man apartment and not less than 4 in a 5 man apartment. A discount might be offered to those with 5 and 7 man apartments too.

A copy of the Residence Hall Committee's proposal should appear in next week's *NEWSPEAK*.

Lance Sunderlin
Residence Hall Comm. Chairman

DHB election results

The Dormitory Hearing Board Election for Ellsworth and Fuller was a great success. A surprising number of students voted and Newell Stamm nosed out Bryce Granger to win the election.

I was pleased with the psyche by both the candidates and voters. Thanks for your cooperation!!

Lance Sunderlin
Dorm. Hearing Board Chairman

IFC Corner: Theta Chi

Last Friday night, in ceremonies at our house, the brothers of Theta Chi welcomed in sixteen new brothers from our fall pledge class. They are John Auger, Dave Argyros, Doug Armstrong, Chris Boss, Mike Boulanger, John Corini, Nick Galassi, John Goodwin, Bill Kuhns, Larry Kurt, Pete LaBelle, Pete Morico, Todd O'Connell,

Steve Pace, Dave Wardell, and Ricardo Wever. The energy and enthusiasm generated by our new brothers will go a long way in making Theta Chi the best fraternity on campus for a long time. Our present brotherhood now numbers forty-five as we move into our spring rush program.

SAE

Elections for new house officers were held at Sigma Alpha Epsilon recently. The results are as follows:

- President - Dan Hoch
- Vice President - Rich Bissonnette
- Treasurer - Chris Thomas
- Asst. Treasurer - Frank Pulaski
- House Manager - Dave Fisher
- Secretary - Len Lariviere
- Chronicler - Fred Baker
- Herald - Rich Dziura
- Warden - Chuck Winters
- Chaplin - Barry Livingston

- Correspondent - Randy Wyatt
- Steward - Wayne Beisecker
- Open Kitchen Manager - George Fredette
- Social Chairman - Rich Dziura
- Rush Chairman - Rich Dziura
- Sports Chairman - Jim Girouard
- Safety Officers - Ken Burns, Bob St...

Best of luck to our new officers. Our thanks to past president, Joe D'Alesio, and our other past officers for doing a fine job.
The Brothers of SAE

Newspeak

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All about S.A.M.

by Ray Houle

If you've seen S.A.M. posters plastered around campus lately, you've probably wondered, "What is S.A.M.?" S.A.M. stand for the Society for the Advancement of Management. The S.A.M. group here at WPI is currently being re-activated by WPI students in all disciplines and departments.

As you read this article, keep in mind that most engineering careers eventually lead into responsible management positions. The functions of managers include planning, organizing, across the country are realizing that the analytical procedures and attitudes developed in an engineering curriculum are particularly well suited to modern management techniques.

What is S.A.M.:

The Society for the Advancement of Management is a nationally recognized professional organization of managers in industry, commerce, government, and education as well as students in varied academic disciplines who aspire to be tomorrow's managers.

The Campus Division

The campus chapters are dedicated to the development of tomorrow's managers today. Over 200 chapters have been chartered in leading colleges and universities in the U.S., Canada, Puerto Rico, and Iraq.

The Objectives of S.A.M.:

- 1) To provide a bridge between the theoretical training of the university and the practical world of business and management by bringing together executives in business and students preparing to go into business.
- 2) To learn what a manager is and what he (or she) does.
- 3) To serve as an effective medium for the exchange and distribution of information on the problems, objectives, policies, and procedures of management and industry.
- 4) To provide students with the opportunity to participate in the organizing,

planning, directing, and controlling of the activities of an organization dedicated to the promotion and advancement of the art and science of management.

5) To recognize and reward achievement through the chapter performance awards plan.

Activities:

Meetings, Conferences, Seminars, Plant tours, Business films, Senior placement, Summer employment, Career conferences, Leadership clinics.

Benefits:

These activities, in association with business executives, provide students with an insight into the actual practice of the management profession and further the growth of all students, regardless of their academic major, by stimulating their thinking, widening their knowledge, broadening their outlook, and developing an understanding of the problems of business and an appreciation of the free, private, competitive enterprise system.

"Stop learning tomorrow and you will be uneducated the following day." S.A.M., cognizant of this fact, provides the graduate with a lifelong program of individual development through membership in the senior division of the Society. Contacts and associations with management people will be extremely helpful in new locations and in subsequent business careers.

You can learn more about management than any classroom could provide by becoming a member of S.A.M. here at WPI. It's an excellent way to bridge the gap between theoretical training and the practical world of day-to-day business.

If you feel that S.A.M. can be of help to you or that you can contribute to S.A.M., take an hour to attend our next meeting Thurs., Feb. 19th, 6:30 p.m. in Higgins. We are a new group and are actively seeking new members. Whether you're a civil or a computer science major drop by and bring a friend. Hope to see you there.

On the other hand

by D. Todd

Since those two work-horses of *Newspeak* — the Pub speaker system and revealed religion — have been mercifully flogged to death, it is time to turn to serious matters. So I wish to do my bit to rectify a gross injustice. For years — nay, decades if not centuries — it has been fashionable to persecute the month of February. It is high time this entirely unfair and childish activity were stopped.

There has just been sent to me the latest item in the seemingly endless stream of abuse to which February has been subjected. One Jeremiah Murphy has penned an essay, that appeared in the *Boston Globe*, knocking February. Probably brother Murphy stepped in a puddle on Boylston street, soiled his lovely socks, and maliciously blames February for all his troubles.

Just which month, may I ask, presented us with not one but two of our country's father's? Right — George and Abe. And just when do you think the Winter Olympics get started? Right again. And when is Engineer's Week every year? Fantastic — you're catching on.

And what is the most bug-free month of the year? Any mosquito that made it to Jan. 31 by some miracle, is by now resting quietly on Abraham's arm. Do you get sunburned in February? Hal!

You like to climb Mt. Washington? February is the month for you! To hike up into Tuckerman's Ravine, then up into the bowl and stand and gaze at Nature's handiwork — there's no month that can touch February for this unique experience. All the orange peels and beer cans are out of sight, no swarms of gnats coming at

you, no crowds of spring skiers virtually tromping you to death — yes, give me February every time to see this great mountain at her frigid grandest.

We are fortunate indeed to have a month in which H2O flip-flops so marvelously between the liquid and solid states. Every day is a free physics lesson. January is usually wretchedly cold; March winds cut you like a knife. December can't make up its mind, and it contains the fearful hassle of Christmas and getting squashed to death in Spags.

But February — the farmers bless it. No fields to plow. No grain to winnow (do they still winnow the stuff, or am I out of date?) and nice long cozy evenings by the fire trying to figure out whether soy beans, flax, oats or ginseng will give the most return for one's labor.

Think of all the books you can read, the concerts to hear and the social events to attend in February when the 32 plus ° makes skiing impossible — yet swimming is still a bit in the future. February is a great catch-up-with-undone-errands month precisely because outdoors activities are often limited. You can use February as F.D.R. used his paralyzed state — because he was restricted in the physical area he got an incredible amount of desk work done. Think of all the organic chem journals you can read in blessed February — it boggles the mind.

So let's have no more bad-mouthing of February, as such a puerile attitude merely reflects one's lack of inner resources. Seize opportunity — and this month — by the forelock.

After all, Gott sei Dank, it won't be around again for another eleven months!

There will be an open meeting of the J.P. Committee Tues. 2-17 at 7:30 p.m. and one again on Tues. 2-24. The meetings are in the wedge and are open to everyone. Please attend and offer your ideas.

COMMUTERS

There will be a meeting at 11:00 on Thursday, Feb. 19 to discuss past, present and future events. Watch the bulletin boards for room.

Two Watches were found.

Please contact the secretary to Mr. Pritchard — Alumni Gym.

NOTICIAS DE CUERVO

Recipe #.00008

YELLOW SNOW:

1. Fill a glass with nice, clean snow. (White only, please.)
2. Add Cuervo Gold Especial.
3. See it turn yellow?
4. Put a straw in and drink.
5. If snow is unavailable, use crushed ice. Or, forget the snow, and just put a straw in the bottle. Or forget the straw and just pour some Gold in a glass. Or just have some water. Must we make all these decisions for you?



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AL PACINO in DOG DAY AFTERNOON

Smile

"Mr. Candid Camera" visits WPI

by Tony Camas

It was Wednesday Evening, February 11, and Alden Auditorium was full — half with WPI students, and half with others — some coming from as far as Boston and further. Everyone was there to see one man, "Mr. Candid Camera," Allen Funt.

Immediately upon arriving on stage, Funt removed the microphone from its stand and asked to have the lights turned on. He doesn't speak publicly that often, and he wasn't going to stand at the podium and deliver an address. Instead, he showed films, answered questions, and told stories of experiences during a quarter century of doing what he does best, and what he does better than anyone else, "catching people," as he says, "in the act of being themselves."

Funt showed a total of six films, four of which were from the Candid Camera television show, the other two coming from "What Do You Say to a Naked Lady?", an X-rated movie which he produced in 1970. Funt is not too happy with the rating the movie received, and joked that if the movie were released today instead of six years

ago, "it probably would have been rated G." Funt has done three Candid Camera movies in his time. "One was about money, one was about sex, and one was about marriage, but only the one about sex (Naked Lady) succeeded," he said.

One of the films from "Naked Lady" was the piece from which the movie got its name. In it, an elevator arrives on a floor of an office building, and the waiting people are greeted by a completely nude woman (wearing a hat) who steps out and asks for directions to someone's office.

The other "Naked Lady" film was entitled "How Do Birds Do It?", in which Funt engaged in man-on-the-street interviews with people, asking them about the sexual practices of birds.

Funt also showed (from the Candid Camera television show) a film in which a man's sneeze was transmitted (physically) over the phone, a piece on a clothing salesman, dressed in a white coat, who gave confused customers medical examinations, and a "follow-the-leader in the elevator" bit. In this film, a number of Candid Camera staff members boarded an

elevator, joining a "victim" already inside. Here, they began doing various things in unison, like turning and facing in different directions and removing and replacing their hats. The subject, not wanting to be different, followed suit through the entire routine, without question.

The longest and perhaps the funniest film shown was entitled "The Shrinking Bookcase". A man was shown the frame of a bookcase, given some wood, and instructed to cut several shelves to fit inside. The bookcase was rigged so that its width could be changed from behind the wall where it stood. Every time the man turned his back and began to saw a shelf, the bookcase was made about half an inch narrower. No matter how he tried, the man couldn't seem to get the measurements for the shelf right.

Funt said that only about one per cent of all Candid Camera film that is shot actually gets used, and only about 1 in 13 of his subjects turn in good performances. His subjects have even included celebrities, like President Harry Truman (who caught on to the gag right away), and Senator Barry Goldwater, who Funt actually filmed shoplifting in a camera shop.

Funt compared the sort of people he has photographed in different geographic areas, and said apologetically that New England seems to be one of the worst areas to pull his stunts. On the other hand, the South is one of his favorite places. "They're about 20 years behind the times down there and you can do anything with them." Funt has also hidden cameras in quite a few foreign countries, including the Soviet Union, where he said things worked quite well.

Of all the people he has worked with, Funt said that Dorothy Collins and Fannie

Flagg have been the most fun. It was his Candid Camera appearances that boosted Woody Allen's career to where it is today. Before Candid Camera, he was only a struggling Vaudeville act. Asked why he no longer worked with Derwood Kirby, Funt explained that he and Kirby are both in the sixties, and that they wanted some younger people represented. Kirby was also, according to Funt, not the brightest of the people he worked with. "I could show Derwood a film, and if he understood it, knew America would understand it," Funt said. Kirby will be making several appearances next season on the show. Phyllis George, on the other hand, will not. Funt was very complimentary of Miss George, but said that she was "a little too bland" for the show. He did not say who would be working with him next year.

"The New Candid Camera" is not syndicated and showing on around 15 television stations around the country. Recently they've been accepting ideas for topics for their films. If you've got a suggestion, you can mail it to Candid Camera, 60 West 55th Street, New York, N.Y. If your idea is used, you will be paid \$50.

The creator of Candid Camera is indeed an open, friendly, and candid person. He said he isn't disappointed that some people are so gullible. Instead, he is impressed that people are willing to laugh at themselves — to participate in a joke at their expense.

Asked if the Candid Camera has ever operated in Worcester, Funt replied, "No, do you think we should?" The audience seemed to think so. So, as they say on the program, don't be surprised if somehow, somewhere, when you least expect it, someone steps up to you and says, "Smile! You're on Candid Camera..."

Library exhibition

"But What do we mean by the American Revolution? Do we mean the American War? The Revolution was in the minds and hearts of the people.... This radical change in the principles, opinions, sentiments, and affections of the people was the real American Revolution".

John Adams to Hezekiah Niles, February 1818

The George C. Gordon Library announces the opening of the exhibition IN THE MINDS AND HEARTS OF THE PEOPLE: Prologue to the American Revolution 1760-1774. The exhibition is being circulated by the Traveling Exhibition Service of the Smithsonian Institution and will be on view from February 7 to March 7, 1976.

The title of the exhibition which was taken from a quote by John Adams portrays a crucial time in our country's history. It was a time when the ferment of revolution was just a burning desire in the minds of the people. Throughout the thirteen colonies the first rumbles of discontent were being sounded. Americans were beginning to realize that they had their own separate identities. Events which took place between 1769-1774 convinced the colonists that there was no turning back. A spark had been lit; it was all that

was needed to ignite both the minds and hearts of the American people.

The original exhibition organized by the Smithsonian Institution National Portrait Gallery contained over 65 paintings and various artifacts. The traveling version of the exhibit includes 30 wood-framed formica panels onto which facsimiles of documents, portraits, and illustrations are mounted. Among the important figures are: Allan Ramsay's full length portrait of George III in his coronation robe; painting by Sir Joshua Reynolds, including portraits of Sir Jeffery Amherst and Charles Townshend; paintings by Charles Wilson Peale; paintings by John Singleton Copley, some which come from the famous collection of the Boston Museum of Fine Arts...among them Paul Revere, John Hancock, Samuel Adams, and the Copley family.

The special focus of the exhibition is biographic. This view of pre-Revolutionary America offers the opportunity to understand what the thoughts and actions were behind our country's foremost patriots. The exhibit is a fine tribute to those colonists that help formulate opinions and sentiments which led to the birth of our nation.

The lowdown

by John Wallace

In celebration of the Bicentennial a most exciting theatrical event will be presented by Holy Cross College in association with the Worcester Art Museum beginning Tuesday evening, February 17th. Worcester audiences will have a chance to see the great Greek classic, "ORESTES" by Euripides, presented in the main courtyard of the Art Museum.

Using the Museum as a natural setting for the Greek tragedy, Director Edward Herson has met the challenge by creating a stunningly moving drama. The production has been coordinated by Ann C. Nelson, with costumes designed by Jeffrey Ullman and lighting by J. Michael Calitri. The principal roles are played by: Bruce McGuirk as Orestes; Maryann D'Amato, Electa; Linda Clarahan, Helen; Carolann Brown, Hermione; John McDonough, Menelaus; Paul Driscoll, Tyndareus; Frank Cullen, Pylades; Charles Rainey, Messenger; David Chang, Phrygian Slave; and Bill Coburger as Apollo.

The "ORESTES" dates from 408 BC, and is relatively unknown as far as Greek tragedies go. It is however a miracle in itself; Greek mythology and its offshoots contain many insights which are relevant today.

The play deals with Orestes and his role in a series of bloody murders in the house of Argus. It involves violence, turmoil and compassion. It strikes you with

the idea of useless power and unescapable destiny.

It is a tribute to the Worcester Art Museum and the Fenwick Theatre Company to have two major arts organizations and Consortium members in our area working together to provide such a unique cultural event.

"ORESTES" by Euripides will be presented nightly February 17 through February 22, 8 p.m. Tickets are \$3.00 for general admission and \$1.50 for Senior Citizens and students with an I.D. Reservations can be made by calling Fenwick Theatre, 793-2400.

As a special attraction the Museum will be presenting informal Gallery Talks of their Classical collection each evening 7:30 p.m.

The Worcester Foothills Theatre Company will be producing Philip King's "See How They Run" February 11 to 13. This is a perennial favorite for those who like a lusty mix of mystery and slapstick farce. It's a fun show for everyone.

Times are Wed. - 8; Thurs. - 2-8; Fri. - Sat. - 5, 9; Sun. - 2, 8. Student tickets are \$2.90, and you can call 754-4018 for info.

New England Repertory Theatre will be producing "The Three Cocksolds", a 16th Century Commedia dell'Arte play which should be "funnier than hell." It runs seven weeks every Thurs., Fri., and Sat., 8 starting March 4th. Tickets are \$2, and you can call 798-8685 for info.

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We have received word that Holy Cross College plans to begin classes on Wednesday, September 1, next fall. WPI registration will be on Tuesday, September 7. Students planning Consortium courses at Holy Cross should be aware of this new schedule development. Clark University and Assumption College have not yet determined their starting dates for next year.

Ronald Thomas featured

On Sunday, February 22 at 3 p.m. an extraordinarily talented 20-year-old cellist will perform traditional and contemporary compositions at the Worcester Art Museum. The third in the Museum free public concert series is also marked by the debut of a new Steinway grand piano, the recent gift of two loyal members of the Museum, Stuart P. Anderson and Charles B. Cohn.

Born in Kennybunk, Maine, he attended the New England Conservatory and subsequently worked with David Soyer at the Curtis Institute. In the summers of 1971 and 1972 Thomas participated in the Blossom Festival in Kent, Ohio, where he played first cello in the Festival Orchestra under such conductors as Pierre Boulez and Robert Shaw. He also studied chamber music with Alexander Schneider at three

Buffalo String Seminars, when he was 13 and 14.

Last season he appeared as soloist with the Hudson Valley Philharmonic and the North Carolina Symphony as winner of their Young Artist Competitions. In 1973 he appeared as soloist with the Boston Symphony and at 16 with the Philadelphia Orchestra. After a highly successful New York debut last fall he is currently touring the Country in recital. Last summer he appeared as a soloist with the St. Louis Symphony and with the County Symphony of Westchester, New York.

The Museum recital will include selections by:

Sonata, Debussy; New Work for Solo Cello (New England Premiere), Michael Colgrass; Sonata for Cello and Piano, Schubert; Introduction and Polonaise Brillante, Opus 3, Chopin.

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Details available at IQP Center, Washburn.

Congress and aid

(CPS) — Students who depend on federal bucks to survive the college money game may find the rules changed if Congress passes two financial aid bills presently before it.

Although one bill attempts to expand financial aid opportunities for students, there are some provisions within both bills which could cause students problems.

The two bills, one submitted by Rep. James G. O'Hara (D-MI) and the other submitted by Sen Claiborne Pell (D-RI), are now before the appropriate sub-committees of Congress. Whereas the Pell bill would make few changes in current student aid programs, the O'Hara bill would clamp severe restrictions on burgeoning student loan programs, broaden grant opportunities and expand work-study ventures.

One of the major upcoming financial aid slugfests will center on the current half-cost limitation for Basic Educational Opportunity Grants (BEOG). The half-cost provision means that no student may receive a Basic Grant larger than half of what it costs to attend college — costs which include room and board, tuition and books.

O'Hara, whose bill would eliminate the half-cost provision, argues that the limitation strikes hardest at the neediest students attending lower-priced schools.

For example, a school with no tuition may still require \$1800 in educational costs such as room, board and books. A student who could not contribute anything toward that \$1800 would, under the current regulations, be eligible for a Basic Grant of only half the amount, or \$900. To receive the maximum allowable BEOG of \$1400, the student would have to attend a school with costs of at least \$2800.

On the other hand, a student who could pay \$800 toward non-tuition educational costs, would receive a \$600 grant, according to the BEOG rules, whether he attended the \$1800 school or the \$2800 school. So, only the poorer student's grant is cut when he attends a less expensive school under the half-cost limitation.

One of the main arguments for preserving the half-cost limitation comes from worried private school representatives. They argue that if Basic Grants were to pay most or all of the costs of attending a low-cost, usually public school, students would be lured away from the higher-priced private schools.

Yet keeping the half-cost provision, wrote Chester Finn in the *Chronicle of Higher Education*, "says to the low-income student that, since Uncle Sam will not give you enough money to attend a high-priced school, we want to make sure you don't get enough to sway you toward a low-priced one."

A second major controversy concerns the role of student loans — a mainstay in the Nixon-Ford higher education game plan.

The O'Hara bill seeks to restrict the increased reliance on loans for financing education. The availability of "soft-loan dollars — money insured by the government at no risk to the lender — encourages high tuition," says Jim Harrison, staff director for the House post-secondary education sub-committee and an O'Hara bill supporter.

When schools raise tuition above what students can afford, Harrison argues, massive loan programs enable the school to simply present the student with federal loan contracts and say, "Don't worry about the tuition increase, just sign here."

In order to cut down on loans the O'Hara bill would end direct federal insurance of loans, halt capital contributions to the National Direct Student Loan program, restrict the amount of Guaranteed Student Loans (GSL) a student could receive in one year from \$2500 to \$1500, and prohibit schools themselves from making GSL's.

Some critics, however, point out that a reduction of student loans does not necessitate a reduction in school costs. Students could find themselves with no loans, no alternative sources of financial aid and ever-climbing tuition, they argue.

The Pell bill, on the other hand, offers no change in the basic thrust of the present loan program: loans would still remain relatively easy to obtain and comprise a significant portion of student aid. The Pell bill does, however, tighten up loan administration in an attempt to cut down on loan defaults.

Specifically, the bill would limit student

bankruptcy for five years after graduation, eliminate schools with a default rate greater than 10 per cent as lenders and prohibit commissioned salespeople from "peddling" student loans.

Critics of these provisions argue that student bankruptcy is no different and occurs at no greater frequency than anyone else's bankruptcy, and that it would therefore be unfair to single out students for special treatment.

A third issue concerns the future of College Work-Study, a program through which O'Hara wants to channel more student dollars. The O'Hara bill mandates a minimum-wage for students, expands the work-study funding authorization, eliminates need as a requirement for obtaining a job and allows State Scholarship Incentive Grant money to be used for work-study jobs.

According to House sub-committee sources, while the other work-study proposals are up for grabs, the provision for minimum wages for students is assured of passage. Students currently can be paid less than the minimum wage under regulations adopted during the Nixon administration.

So far, financial aid sessions in both houses of Congress have been sparsely attended, both because of pressing legislation like that concerned with loan relief for New York City and, according to one House staff member, the fact that many Congresspeople haven't made up their minds about some of these key issues.

And while many educational groups and other interest groups keep up a constant lobbying process on the legislators, the House staffer remarked, students don't.

"Until members start hearing from students they'll assume when a college president speaks, he's speaking for every student," says staff director Harrison. "It will help if the major affected constituency makes its feelings known."

So far the case has been heard by a federal magistrate who found probable cause that Cord filed false information on loan applications made during his second trip through the law school. The magistrate added that he didn't agree with Harvard's

[cont. to page 9]



Photo by Sandy Dorr

PLANNING DAY ACTIVITIES Computer Science Department

8:30-10:00 The Competency Examination Experience, Room HL 209

Professors N. E. Sondak and S. R. Alpert will review and discuss the Competency Examinations in Computer Science. Sample examinations will be available.

10:30-12:00 Program Orientation, Room HL 209

Members of the Department will present a program overview, course offerings, career opportunities and specialty areas in Computer Science.

Program Overview — Prof. N. E. Sondak
Course Offerings and Schedules — Prof. S. R. Alpert
Career Opportunities

Computer Industry — Prof. N. E. Sondak
Business — Mr. J. A. Soetens
Science — Prof. J. M. Perry
Graduate Opportunities — Prof. L. D. Lipner

10:30-12:00 MQP's — Room HL 221

Off an On Campus Project opportunities will be presented including activities at Digital Equipment, Data General, Prime Computer, Norton Co. and U. Mass. Medical School. — Prof. R. C. Scott

— Department Faculty
— Selected Students

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—RICHARD SCHICKEL, TIME MAGAZINE

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Special Report

ELECTION CAMPAIGN 1976

Former Georgia Governor

Jimmy Carter

Jimmy Carter, former governor of Georgia, is the present front running Democratic candidate and as a result has become the target of several attacks by the candidates and some members of the news media. In fact, Gov. Carter has sustained the largest personal attack in the post WWII campaigns and is still riding high in the polls, if not higher.

Gov. Carter is a nuclear physicist, former Naval officer, peanut farmer and politician. He has been active in local and state politics in Georgia since he left the Navy to run the family's farming business. He has worked his way up from a member of the local school board, to State Senator, to Governor.

His main drive in his campaign is to restore integrity and a balance to the Federal government. To accomplish this all inclusive goal, Gov. Carter proposes opening all meetings of all agencies and committees both in the Executive and in the Congress to the public, declassify government files, reveal and control all activities of lobbyists, extend public financing to congressional elections, remove the Office of the Attorney General and all of his staff from all political activities, ensure maximum privacy for all American people, and to ensure stable, coherent, and predictable government policies be established in all departments. Gov. Carter advocates a drastic and thorough revision of the Federal bureaucracy and its budget system to make them more responsive to the American people. He expects a very strong, deep rooted opposition from members of

Congress and special interest groups who presently benefit from the present system. The welfare system must be reformed and streamlined to better serve the ones who need it the most. Senior citizens should not have to suffer the degenerating effects of job discrimination because of age and an insufficient income. Social Security should be linked to the cost of living.

In the area of defense programs and troop overseas, Gov. Carter opposes the B-1 bomber, but does favor a slowed construction schedule of the Trident submarine. He claims that there are too many troops overseas and the U. S. should slowly reduce troop levels in foreign countries. Troop commitments to NATO should be reduced as the countries being protected should share a larger part of their defense. His ultimate goal and desire is to reduce all nation's supply of nuclear weapons to zero, however, present agreements have done little except limit a mutual growth of arms in the Soviet Union and the U. S.

Gov. Carter wants to re-establish oil import quotas and allocation of supplies to reduce the threat of a foreign power dictating policy to the U. S. Voluntary conservation is a must to establish such programs.

In the field of agriculture, the Federal government needs a Secretary of Agriculture who is more concerned with the needs of the farmer than with foreign traders. A stable and predictable government policy is desperately needed as is coordination between the Depts. of Agriculture, Commerce, Interior and Defense.

Pennsylvania Governor

Milton Shapp

The governor of Pennsylvania, former John Kennedy campaign aid, Commerce Dept. consultant, and Peace Corps planner, Milton J. Shapp is above all a shrewd businessman. He built a \$10 million fortune from a \$500 investment in cable television. Defeated in 1966 for governor, he came back and was victorious in 1970 and won by a landslide in 1974. He has used his business skills to turn a massive inherited state deficit into a surplus by refinancing the state's debt, imposing new taxes, and attracting new business.

Gov. Shapp is a staunch advocate of civil liberties and a proponent of sweeping reorganization of the Federal budget and bureaucracy. Despite heavy negative

pressure from legislators in his own party, Gov. Shapp issued an executive order banning discrimination of all types in state hiring and initiated efforts to integrate Philadelphia schools even before a Federal court could begin to hear a suit.

The governor advocates Federal takeover and consolidation of AFDC welfare, SSI welfare, and Food Stamps programs into a guaranteed income plan with work incentives built into it. Also, he calls for tax reductions for low and middle income earners and closing of tax "loopholes", especially for capital gains.

A stern opponent of Republican plans for energy conservation through decontrol of oil prices, Gov. Shapp would instead create

Former Oklahoma Senator

Fred Harris

A progressive but mainstream Democrat, former Senator from Oklahoma, and supporter of the oil depletion allowance when first elected, Harris has moved consistently to the left on economic and social issues since serving on President Johnson's Advisory Commission on Civil Disorders.

He seeks the White House as an advocate of breaking up big corporations, taxing the wealthy much more heavily and the poor less, developing new energy resources through a government corporation rather than private investment, and undertaking major new health, housing and job programs.

Sen. Harris would treat any industry in which four or fewer companies control 70 per cent or more of the sales as a "shared monopoly" and he would use anti-trust laws to broaden the market. He proposed other restrictions on several industries: Oil companies would be compelled to give up some phases of production, which most now control from wellhead to pump sale. Auto makers would have to stop production of any model running less than 22 miles on a gallon of gasoline. Utilities would have to raise rates for large-scale business users and lower them for homeowners. Non-farm conglomerate corporations would have to sell their farms.

His economic programs, coupled with much heavier taxes on the income and net wealth, would re-distribute existing assets. But Sen. Harris has not offered detailed economic research to show that his kind of

economy could offer as many new jobs or sustain as fast a rate of growth as less regulated corporations have done.

Like most other Democrats, however, Mr. Harris favors a guarantee of a government job to any worker who cannot find employment in private enterprise.

He advocates national health care, a vastly expanded Federal housing construction program, and public day care centers.

Sen. Harris also backs other liberal programs, including some form of counter-cyclical revenue sharing to concentrate aid in cities and states with the highest unemployment rates. But he defines himself as a populist rather than a liberal, and emphasizes his belief in the need for fundamental change in the economic system to benefit the working class. (Among the \$94 billion in tax "loopholes" he would eliminate are deductions for home mortgages, charitable donations, and loan interest payments, all of which benefit middle-income families as well as the rich.)

He consistently supports school integration, by busing when necessary, affirmative action hiring for women and minorities, and gay rights.

He would cut \$14.7 billion from the new defense budget through reductions in troop and weapons, and would end intervention in Angola, Portugal and other countries where communists are gaining political strength. He has criticized the heavy degree of American involvement in negotiating a Mid East peace, although he supports aid to Israel.

This continuing series of articles on the major Democratic Presidential candidates is being presented in co-operation with an IQP group studying the New England Presidential primaries. The members of the IQP group do not support any one candidate for election and try to remain as unbiased as possible. Support or lack of support should not be inferred in any way from these articles. More articles on other candidates will appear next week in NEWSPEAK.

Next Tuesday, February 24, is the New Hampshire Presidential primary. All registered voters of the state are strongly encouraged to vote for the candidate of their choice, but VOTE. There are many people who complain and challenge the actions of our elected officials, but the only substantial contribution any person can make is by voting.

a national "energy warehouse" to ensure an adequate supply of equitably priced power to poor people and to oil-dependent regions, such as New England. He favors public rather than private development of existing Federal oil reserves and of alternative sources being developed.

In foreign policy, Gov. Shapp urges a harder line toward Russia and the Arab states, including the use of food as a diplomatic weapon. He endorses a limited oversight by Congress of the FBI, and the CIA, but Congress should not be able to veto or disclose covert operations abroad as they are necessary and should remain secret.

Like most other Democrats, Gov. Shapp supports a guaranteed job program and a change in Federal revenue-sharing to concentrate aid in areas of high unemployment. But he dismisses those proposals as "pallatives" designed to ease a crisis. He states that the long-range

economic solution is to create new jobs in the private sector where presently, over 80 percent of all employment is now and should remain.

The unique focus of his campaign however, is his proposal for a "national investment policy" so that decisions about program priorities would be based on businesslike estimates of the program's eventual impact on jobs and tax revenues. In addition, Gov. Shapp would use budget reform to consolidate Federal offices and programs, simplify chains of command, and reassign program responsibilities among local, state, and national governments.

Other Democrats fear the short and slight governor is politically naive. The indictment of several of his appointees has reinforced that feeling, although Mr. Shapp's own candor and integrity have remained unquestioned.

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Commentary on life

6 What's Teching

by Gary Davis

Tony Marrese probably experienced some red tape while in Washington term B. But it was nothing as compared to what he got upon returning to WPI. He discovered that his work-study job at the project center was no longer there.

It was really nobody's fault, but a series of technicalities, a budget problem, and a new federal regulation had left Tony without a job. Though he had checked with Mr. Heselbarth, director of financial aid, before going to Washington, Tony was "terminated" to avoid sending him time cards while he was away. When he got back, the project center wasn't hiring any "new" people, though it did need more help, because it had run out of money. Further, Tony's need for a job did not comply with the new regulation, making him ineligible for a job anywhere on campus. Tony was, however, able to find another technicality which enabled him to get a job with the management department, who needed someone new and had the funds. "I didn't really like stripping boards (to recover old parts) anyway."

You may not have a work-study job at WPI, either because you don't need one or don't want one under the conditions. You may have one now, but stand a good chance of not getting it back next year. This is not to say that students aren't needed. The electronics lab in the project center, for example, was open seven nights a week during term A. While Joe Mielinski, projects administrator, has said that he was not aware of any budget cuts, it was open only six nights B-term, partly because Tony was in Washington and a replacement couldn't be hired. Even then, Ray Pellerin, the shop's electronic technician, was working one night he wasn't being paid for. And this term, now that one student has left WPI, the center is open only three nights.

"I've got some dedicated people," said Ray Pellerin, "but I need many of them working during the day. Even so, Dave Lounsbury is working some nights he isn't

being paid for."

EE was also using some of the project center's help over term B, and trying to hire away project center students despite their objections and dedication to Ray Pellerin and the center. Jim O'Rourke in EE told *Newspeak*, that he had enough workers, they just didn't work. Several people have been replaced, though, and that problem seems to have been solved.

The computer center, WACCC, also employs many students. Their help, though, is paid directly out of their budget, not work-study's. WACCC's 20-odd students are needed to run the center in positions as I-O people, operators, programmers, and consultants. James Jackson, director of WACCC, sees these jobs as a service to the students (and to WACCC), and does not foresee any need for a cutback in the future. He was unaware, however, that the new regulation would also affect his hiring. (Of course, WACCC prints the school's pay checks, so this may not bother them).

All departments aren't doing this well, though. Another large campus organization may be forced by budget cuts to drop many of its student jobs next year, but did not wish to comment on this.

Work-study is a mutually beneficial concept. The school needs cheap (\$2.25-hr) labor to do many jobs that they couldn't hire outside help for. Many students are glad to have around \$20 a week (there is a limit of ten hours) of extra money, and the program is federally funded. But the ease with which jobs are available is changing.

For one thing, some departments, such as the project center, have used up their allocation. All work-study money comes from financial aid, which goes through Mr. Heselbarth's office. Much of this money comes from federal grants, but there is no longer enough for the increasing demand of students. Further, a new federal law prohibits giving financial aid containing federal money, including work-study jobs, to students whose "Financial Need" has

been met. This means that jobs are only available if the financial aid you're getting is less than you are eligible for. Due to this, Tony Marrese couldn't have gotten a job even if there was money. Many students, especially those who don't apply for a job this year, may be unable to continue their jobs next year. And if a student receives a job, "he" will be getting a smaller grant.

Students can still, of course, get jobs off campus because they will not be considered in the financial aid package (if the job is received after the aid is planned) i.e., no summer jobs). But non work-study campus jobs (such as WACCC, even those with the pub or food service (which are financially separate from the school, but equally dependent on students for help) will be considered as part of financial aid. Though no federal money goes into these jobs, the school is aware of them when calculating a student's financial ability.

If a student's financial aid doesn't meet his need, however, the food service does have funds and plenty of work. A job there, though, might be even less desirable than

most. Abe, who worked there for 3 1/2 years found the conditions intolerable.

"The work this year was unpleasant and sometimes dangerous," said Abe. "We were constantly threatened with the loss of our jobs, and many employees were fired, often with reasons like 'being a bad influence.' It doesn't have to be like this; under servomation, the working conditions, and food, were much better. I finally quit when Norman (Rossi, food service manager) told the crew chiefs, 'You can shit all over him because he really needs this job,' right in front of me. I couldn't work after that."

There are still some people who have special abilities which enable them to get jobs, many with higher pay than work-study. Others know faculty members who need extra help and have departmental money available. Andy, for example, got a programming job "So that I can go to Abdow's." But for most students, the job situation is becoming grim. Next year, it may be gone.

The Challenge of Justice

by Stan Culy

If you are interested in the IQP areas of Hunger and Justice, or in a vision of the world as a Global Village or in the concerns of Racism and Sexism, then you may be interested in the overnight conference in Cambridge Feb. 27-28.

It is sponsored by the University Christian Movement which is an New England Wide Ecumenical Campus Ministry concerned about social issues. It will cost \$2 and your sleeping bag. The opening speaker is Ms. Rosemary Ruether on Friday

night at 7:30 at the First Church Congregational in Cambridge and then sleeping on mattresses in the church. A light breakfast and lunch on Saturday is provided.

Three members of the Worcester Area Campus Ministry staff will be leading two of the Saturday workshops: Joan Bott, Kathleen Godding, and Daria Meshenuk. Rev. Stan Culy, WPI Coordinator is looking for a carload to go. Drop a note to Box 2373 or phone Daria at 757-9067 or Stan at 755-4462.

The Indian Wants the Bronx

MODERN PHYSICS FILM

The Crab Nebula

Monday, February 23, 1976
12:00 noon and 7:00 p.m.
Olin lecture hall, OH 107

Color, 56 minutes

The remains of a cosmic explosion — a supernova — are shown, interpreted, and traced back to the cataclysmic event. Worldwide experts talk about their discoveries.

A BBC film in the NOVA series.

WACCC will be shutdown for 16 days, August 7th through 22nd, 1976.

During this period, neither the UNIVAC 70-46 nor the DEC-System-10 will be in operation, and no computer center staff will be on duty.

All users should make note of these dates and plan all work accordingly.

If this shutdown causes any major hardships or problems, please contact me at 753-1411, extension 511 to discuss the problem.

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Planning day

Schedule of Events Wed., Feb. 18

Coffee and doughnuts

8:00-8:30 — Alden Auditorium

Getting the most out of the WPI Plan

8:30-10:00 — Alden Auditorium

Dean Grogan will meet with freshmen and new transfer students. His comments will focus on how to use the Plan to your own advantage. This program will be of special interest to students who have not yet participated in the Freshmen Seminar.

The competency exam experience

8:30-10:00 (see separate departmental room list below)

These sessions will be of special interest to sophomores and juniors. Items such as exam format, timing, frequency, readiness certification, preparation, purpose, procedures, etc. will be discussed. Copies of past exams will be available for inspection.

DEPARTMENT	WHERE
Chemical Engineering	Goddard 227
Chemistry	Goddard 129
Civil Engineering	Kaven Hall 207
Computer Science	Higgins Lab 209
Electrical Engineering	Atwater Kent 117
Humanities	Alden Memorial D
Life Science	Olin 212
Management Engineering	Higgins House
Mathematics	Stratton 204
Mechanical Engineering	Higgins Lab 101
Physics	Olin 223

Pre-Qualifying Projects

8:30-10:00 — IQP Center (Washburn)
10:30-12:00 — IQP Center (Washburn)

PQP's provide an excellent way to learn how to do a project, sample a major, gain experience in some side interest, etc. Freshmen and sophomores are encouraged to join ongoing qualifying projects on this basis before starting on their own. Find out how to get involved in PQP's in this sessions.

Interactive Qualifying Projects

8:30-9:00)
10:30-11:00) General Information — IQP Center (Washburn)

9:00-10:00) Faculty and Students Available for Questions
11:00-12:00) IQP Center (Washburn)

This presentation will focus on the unique character and specific goals and objectives of the IQP, as well as the broad range of topics and opportunities available. The newly developed courses of the Department of Social Sciences and Policy Studies will be discussed as they affect the resource base for interactive work. Faculty and students will be available to discuss their projects and answer questions. Also, find out about opportunities at the Washington, D.C. Project Center.

9:00-10:00

Nuclear Technology Assessment, Professor John Zeugner, Joe Czapsky, Mike Conroy.
Interdisciplinary Projects in the Humanities and Sciences Teachings at the Worcester County Jail, Professor Lance Schachterle, Steve Walz, Mark Knight, Kathy Moloney.
Bioethics, Professors Hoskins, Shannon, Manfra, and students.
Urban Problems, Professor Benjamin and students.

11:00-12:00

Auto Dealer Dependability on Warranty Work Professor Bob Wagner, Klein, Bromage.
Marriage, Professor Judy Hodge, Dennis Legnard, Barbara Muehe.
Pisgoh State Park Development Plan (NH), Professor V. Bluemel, Jim Lukas, Rick Corsi, Brian Mellea et. al.
Practice Teaching, Professor L. Berka, Michelle Beaupre, Bob Horton, Earl Chapman.
Bioethics, Professors Hoskins, Shannon, Manfra, and students.
Urban Problems, Professor Benjamin and students.
Star-Ship Society, Professor T. Keil, Steve Kovner, John Major, John Kuklewicz.

Career and program planning

10:30-12:00 (see separate departmental room list below)

Departments will discuss career opportunities, program construction, course offerings, faculty strengths and sub-areas within the department. These sessions are designed to help you plan your future.

DEPARTMENT	WHERE
Chemical Engineering	Goddard 227
Chemistry	Goddard 217
Civil Engineering	Kaven Hall 207
Computer Science	Higgins Lab 209
Electrical Engineering	Atwater Kent 117
Humanities	Alden Memorial D
Life Science	Olin 212
Management Engineering	Higgins House
Mathematics	Stratton 106
Mechanical Engineering	Higgins Lab 101
Physics	Olin 223
Biomedical	Washburn 217
Environment	IQP Center
Nuclear	Washburn 100
Pre-law	Stratton 203
Pre-med	Olin 212
Urban Studies	IQP Center

BS-MS program

10:30-12:00 — Higgins 224

WPI has available for students an integrated B.S.-M.S. program which makes it possible to start graduate work in their final year and accelerate receipt of an M.S. degree. Information on this program and how to plan for it will be provided by Dean Kranich.

Major Qualifying Projects

10:30-12:00 (see separate departmental room list below)

These sessions will have a two-fold purpose: to show the breadth of project opportunities and faculty interests within a department and to assist students with such questions as how to get started, how to use project centers, how to find a topic, an advisor, and a partner, etc.

DEPARTMENT	WHERE
Chemical Engineering	Goddard 012
Chemistry	Goddard 129
Civil Engineering	Kaven Hall 202
Computer Science	Higgins Lab 221
Electrical Engineering	Atwater Kent 220
Humanities	Alden Memorial D
Life Science	Olin 212
Management Engineering	Higgins House
Mathematics	Stratton 105
Mechanical Engineering	Higgins Lab 130
Physics	Olin 214

Exchange programs

10:30-12:00 — Atwater Kent 202

Details will be available on opportunities for study in London (The City University) and Zurich (ETH). In order to take advantage of these programs, planning must start early. If you are interested in studying off-campus, come and find out what others have experienced and how you can get ready.

Humanities sufficiency

10:30-12:00 — Alden Auditorium

The humanities consultants will be available to answer specific questions regarding your sufficiency. There will also be a presentation on the general nature of the sufficiency and how to make it best suit your needs.

Off-campus employment

10:30-12:00 — Gordon Library Seminar Room

If you'd like to get some practical experience in your field, just try out your future career, or alternate learning with working, come to this session to find out what opportunities are available.

REplanning the Plan

1:00-3:30 — Olin Lecture Hall

Where would you like to see the Plan go from here? How would you re-design your education. The Plan is in a constant state of flux. Its future depends on all of us. Come and put your two cents in — help point the school in YOUR direction.

Building the WPI community

1:00-3:30 — Higgins House

How can we become a COMMUNITY instead of scattered individuals? What kinds of interactions would you like to see happen on campus? What opportunities would you like to have to relate to others? If this is one of your concerns, join this session for discussion and formation of action groups.

Just for foreigners

by Marios Gartaganis

Most of the foreign students of WPI have been approached by the International Center of Worcester sometime after their arrival.

Some of us became active members of the Center and others have not.

In any case, what is important is that American students who have not been approached by the ICW in general should get to know it and participate.

The ICW located at 6 Institute Rd. is mainly a private citizens group which has activities designated to attract the interest of the foreign students of the Consortium Colleges.

The Center exists because the citizens are Americans and so they want to extend

an invitation to any American students who like to participate in its activities.

Upcoming events in which Tech students can openly participate are: On Feb. 22nd, "A Winter Outing" in which we plan to hike up Mount Wachusett. We will leave from the parking lot behind 10 Institute Rd. at 1:30 p.m. promptly. On Feb. 28th, "A Pot Luck Supper — International Style" at the Central Church on 6 Institute Rd. Please be prepared to contribute one dollar if you cannot cook anything. This will start at 6 p.m.

ICW news will be published monthly so that if any of you want to participate, can be informed.

The CIA wants you

by Allan Rabinowitz

(CPS) — "Unique opportunities," stated the ad in the college newspaper, offering "foreign travel," were now available for seniors and graduate students in any one of almost 30 fields, both technical and general.

Who made this enticing offer? The company was "The Company" — that is, the CIA.

The CIA is stepping up its recruitment efforts on the nation's campuses. Cooperation with these efforts by university administrators and career placement officials is rising. And student interest in the nation's most powerful intelligence agency as a prospective employer is also increasing, according to CIA officials in Washington DC and Boston.

A recent conference sponsored by the CIA on minority hiring, held in Washington for university career officials — all expenses paid by the agency — drew more than 60 participants from schools throughout the country. The university officials, though expressing "some skepticism" towards the agency, did not raise the question of the CIA's illegal activity. A UCLA official saw "nothing wrong" with the conference, and a career official from the University of Michigan said that the conference participants "encouraged the CIA to come back to the campuses."

A CIA summer intern program for foreign studies has been drawing an increasingly popular response in recent years. When the program started in 1967, there were five participants. Now there are 45, with more than one thousand inquiries every year. Program participants, about half of which end up as permanent CIA employees, come from a wide range of majors and colleges, including such prestigious schools as Harvard, Yale and the University of Chicago.

The current tight economy is one factor which makes the CIA inviting to many students. Where else can an expert in such a specialized subject as Asian languages find a job these days? PhD's have grown especially interested in CIA employment, according to Bob Ginn, Associate Director

of Career Placement and Off-Campus Learning at Harvard, because "the CIA is one of the few places hiring in research."

The recent publicity surrounding the CIA's activities actually help its recruiting efforts, added Ginn, because "it makes kids think about the agency."

Protest by students against CIA recruitment on campus is just now beginning to crop up at some schools. At the San Diego campus of the University of California, students protesting CIA recruitment jostled and spat upon University president David Saxon. At UCLA, a story in the student newspaper, the *Daily Bruin*, on the CIA's affirmative action conference prompted loud and angry demonstrations. Protests against "university complicity" with the agency were also staged at Berkeley and the University of Michigan at Ann Arbor.

The student critics stress that the CIA has violated democratic rights wherever they have conducted activities, and that the campaign to hire minority students is part of an effort to "exercise dominion over the colonial and under-developed world."

Buy many students, besides eyeing the CIA for a job, support its right to be on campus, according to career placement officials at several colleges. At Harvard, a student who challenged the relationship between the university and the CIA was immediately countered by five students defending the agency's right to be there.

Career placement officials also support the right of the CIA to recruit on campus, and the right of students to inquire about CIA employment.

To throw the CIA off campus, as protesting students demand, is "an insult to the free choice of students," according to John Munschauer, director of the Career Center at Cornell University. "It's censorship," he added.

Even the CIA's publicly-known illegal activities, according to Ginn at Harvard, should not deny someone the right to seek employment there. "Do you stop someone from being a White House fellow because the President might have committed illegal acts?"

skeletons

by Charon

During the past term, the WPI Student Directory made its annual appearance on campus. Two editions were produced this year: One for faculty use and the other for students. The faculty edition differed in only one item. It contained the Social Security Number of every student on campus!

In 1935 The United States Government created the Social Security Administration to control a form of nationalized insurance. In order to keep track of everyone's account, the Social Security Number was born. So everyone in the United States has a Social Security Number. A little while later some clever administrator decided, that wouldn't it be nifty to use the Social Security Number as an identification number in School Records, etc.....(at this point, please take out the little card that was sent to you by Uncle Sam with your Social Security Number on it and read the small print on the bottom of the front side.) So much for the History lesson.

I am not questioning the legality of using

Sorry, folks

The following letter was recently mailed to all parents of WPI students — Ed.

To Parents of WPI Students

Writing this letter is exceedingly difficult for one who believes strongly in independent higher education and the values that WPI imparts to its students. It is difficult because we seek students from all income levels.

Yet inflationary costs of everything, from paper to oil to people, make it impossible for private colleges like us to hold the line on our tuition. Thus the trustees have reluctantly voted to increase WPI's tuition for 1976-77 by \$300, to \$3,450. Because of our commitment to students from all walks of life, we are making a corresponding increase in our financial aid budget, increasing both grant and loan funds.

Congress and aid

[cont. from page 5]

years of law school were "surprisingly good, considering the circumstances."

Cord had some charges of his own to make during the hearing, claiming that his claim that Cord owed them more than \$9000.

The case was ordered held over for a federal grand jury on charges that the student lied on three federal student loan applications.

Meanwhile, Cord, who is free on \$10,000 bond, declared that his grades during four

Changes in E.T.S.

PRINCETON, N.J. — Educational Testing Service (ETS) reports several major changes in two national testing programs whose scores are used as part of the admissions process in many of the nation's graduate schools.

Both programs, the newly-titled Graduate Management Admission Test (GMAT) and the Graduate Record Examinations (GRE), together test more than 400,000 prospective graduate students every year.

ETS says the changes were made to help simplify the test-taking process by making it more accommodating for student candidates.

The GMAT formerly was called the Admission Test for Graduate Study in Business. The new name parallels a similar change in the sponsoring council's name — reflecting a trend among graduate business schools to broaden their curricula and degree titles to include other areas of administration, as well as business.

The program is developed and conducted by ETS for the Admission Council for Graduate Study in Management, a group representing 43 graduate schools of management.

Another significant change in the GMAT is an expanded admission ticket correction form that allows the candidate to verify, and correct if necessary, the accuracy of the information he or she provided ETS on the registration form. Walk-in registration, established during the 1974-75 academic year, also will be honored space and material permitting.

There also are several new additions to the GRE. For the first time, a full-length sample GRE aptitude test is available to

Social Security Numbers — I already know the answer. What I am questioning is, what need does supplying the Social Security Number of every student to every faculty member, serve? Well as it so happens I have a few ideas for creating needs:

1) When it comes time for any student to fill out one of the many forms, that one comes across at Tech, leave the space for the Social Security Number blank!

2) Better yet, Fill in the space but change one number!

Before I go any farther. When the "Faculty" editions were passed out, enclosed in each was a note that said (and I shall paraphrase) "Do not let any student get their grimey little paws on this (the faculty edition) or the Boogey man will get you!"

One other possible solution comes to mind. A complete list of the faculty should be printed, complete with Social Security Numbers and be distributed to the student body (I am not exactly sure what purpose this would serve, but if, when the list is printed, the back side of each sheet of paper is left blank, a new and abundant source of scrap paper would be created).

While our increased tuition is still less than many of our neighboring engineering colleges, the increase is significant. But it is absolutely necessary if we are to continue to maintain a quality faculty committed to our students and their education.

We hope you recognize the insistent pressures which force us to take this action as essential to our continuing commitment to providing quality education at the most economical possible price. As a matter of fact, the tuition rate in the last ten years has dropped when expressed in 1965 dollars, although I realize that his fact is rather cold comfort these days. We will do our best to keep tuition increases at the lowest possible amount consistent with high quality.

George W. Hazzard
President

performance in the law school proved that the admissions process is inadequate. He said that even some Harvard law professors contend that despite the admissions office dependence on grade point averages, they don't make much difference beyond a certain point. A student with a 3.3 GPA might make just as good a law student as one with a 3.7 GPA, he said.

The price for proving that in Cord's case could be a maximum of five years in jail, a \$10,000 fine or both for each of the three loan, applications if he is found guilty.

give candidates an accurate view of the scope of the test and the type of questions it contains. The sample test is the same length and format as the currently used forms of the aptitude test, and contains questions previously used in past tests. An answer key is provided. The sample aptitude test may be ordered separately or as part of the Graduate Programs and Admissions Manual, which provides information about more than 500 institutions and their graduate programs. See the 1975-76 GRE Information Bulletin for more details.

The aptitude test also has been shortened by five minutes from the former three-hour total. And an estimated additional 15 minutes of student time at the test center has been saved by soliciting background information on the registration form rather than at the center.

For the first time, GRE candidates will be allowed at the time of the test administration to delete or change the list of institutions to which scores are to be sent.

The GRE program also will continue to accept walk-in registrations, if center space and materials are available, and after all normally registered candidates have been admitted.

Both programs emphasize that walk-in registration for the GMAT and the GRE are being continued to provide a needed service to candidates who are unable to preregister because of circumstances beyond their control.

ETS administers the GRE for the Graduate Record Examinations Board, an independent board affiliated with the Association of Graduate Schools and the Council of Graduate Schools in the United States.

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77

Would you like to
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Maybe you can't be on the front cover, but you can help decide what goes there. The 1977 Peddler Staff organization meeting will be Tuesday, Feb. 24, at 8:15 p.m. Having talent or the lack of it is reason to be there. We need You. The Peddler Office is North of the Pub, down the hall from the Game Room.

Twelve others promoted by Trustees

Tenure granted to nine faculty

The WPI Board of Trustees voted last week to grant Tenure to nine members of the faculty and to promote twelve others, four to full professor, seven to associate professor, and one to assistant professor.

The members of the faculty granted tenure are:

Dr. Kevin A. Clements, Associate Professor of Electrical Engineering. Education: B.E.E. Manhattan College - 1963; M.S. Polytechnic Institute of Brooklyn - 1966; Ph.D. Polytechnic Institute of Brooklyn - 1970.

Experience: Guidance Engineer at General Electric Company, Project Engineer at Singer-General Precision, Inc.

Professor Clements is already well known for his research in Power Systems Engineering. His theoretical understanding of the methodology of Systems Science and his ability to apply it to realistic engineering problems has enabled him to procure research grants and to maintain a continuing association with the internationally known consulting firm, Power Technology, Inc.

He is a mature and innovative teacher. He has taken primary responsibility for developing an advanced undergraduate course in Control Engineering using the self-paced mode. He has also developed a new course, Probability Methods in Power Systems, which includes a set of videotapes.

He has been an active member of the IEEE Power Engineering Society, serving as chairman of the local chapter and on a subcommittee at the national level.

Dr. Paul W. Davis, Associate Professor of Mathematics. Education: B.S. Rensselaer Polytechnic Institute - 1966; M.S. Rensselaer Polytechnic Institute - 1967; Ph.D. Rensselaer Polytechnic Institute - 1970.

Professor Davis is highly regarded as a teacher. He has been a departmental leader in investigating and testing creative and innovative approaches to teaching and has played an important role in curriculum development in the department. As a scholar, he is one of the most productive researchers in the Mathematics Department and he is currently an associate editor of a publication of the Society for Industrial and Applied Mathematics (SIAM). He has actively served WPI on a variety of committees.

Dr. James S. Demetry, Associate Professor of Electrical Engineering. Education: B.S. Worcester Polytechnic Institute - 1958; M.S. Worcester Polytechnic Institute - 1960; Ph.D. Naval Postgraduate School - 1964.

Experience: Served as Instructor, Assistant Professor, and Associate Professor levels at Naval Postgraduate School in Monterey, California.

Professor Demetry has demonstrated through his professional and scholarly activities that he is highly competent in the field of electrical engineering and has the capacity to contribute at both graduate and undergraduate levels. His recent work in developing along with ARL and General Electric Company a design proposal for a major solar energy installation testifies to his capabilities as a practicing engineer.

In the area of teaching, Professor Demetry is highly respected by students, as a lecturer, conference leader, and project advisor. He has been an innovator in new instructional methods and produces consistently high quality results.

His service to the college has been outstanding. He has, from the start, been a leader in multidisciplinary project organization and advising. As the current Chairman of the Division of Interdisciplinary Affairs, he has provided WPI with the type of leadership necessary to carry out the IQP commitment.

Dr. Allen H. Hoffman, Associate Professor of Mechanical Engineering. Education: B.S. Worcester Polytechnic Institute - 1963; M.S. Worcester Polytechnic Institute - 1967; Ph.D. University of Colorado - 1970.

Experience: Engineer for General Electric Company, Riley-Stoker Corporation, and Shell Oil Company.

Professor Hoffman is an outstanding teacher, both in courses and in projects, as indicated by evaluations received from alumni, students, and colleagues. He has contributed creatively toward curriculum development in the department.

His scholarly work has been in Mechanical Engineering and he has

published in Biomedical Engineering areas as well. At WPI he was a member of the Environmental Systems Study Program and was a Co-director of the Washington Project Center. His interdisciplinary involvement with professors from the Consortium colleges came about through a Hepatitis-Water Quality study. In all of this work his participation was of very high quality.

He has been a member of the Committee for Graduate Study and Research and served as Chairman for one year. His commitment to WPI is exemplified by his willingness this fall to assume the extra burden of cross country coach when one was needed.

Dr. Stephen N. Jaspersen, Associate Professor of Physics. Education: B.S. University of Wisconsin - 1963; M.A. Princeton University - 1965; Ph.D. Princeton University - 1968.

Experience: Research Physicist, Physical Optics Group, Naval Weapons Center, China Lake, California.

Professor Jaspersen is an excellent teacher and project advisor as evidenced by opinions expressed by alumni, students and colleagues. He has excellent command of his subject matter and communicates effectively with students at all levels. Special mention should be made of his contributions to innovative teaching, particularly in connection with the establishment of Physics IPI courses and in the creation of the Back-of-the-Envelope Physics Seminar.

He has made important contributions to WPI and to the Physics Department while serving on a variety of committees. In the area of research, Professor Jaspersen has been a significant contributor. His research in optical properties of solids, supported by the National Science Foundation in cooperation with U.S. Naval Weapons Center, has resulted in a variety of publications and in presentations at a number of meetings.

Dr. John T. O'Connor, Associate Professor of Social Science and Policy Studies. Education: A.B. College of the Holy Cross - 1960; M.B.A. Wharton School of Finance, University of Pennsylvania - 1962; Ph.D. University of Notre Dame - 1970; M.P.H. Harvard School of Public Health, Harvard University - 1975.

Experience: Financial Analyst at Merck and Company, Inc.; Instructor at the University of Notre Dame.

Professor O'Connor has taught a wide range of economics and business courses. He is an outstanding teacher as indicated in evaluations by students in all of his classes. His concern for students as individuals and his ability to help them understand abstract ideas is clear from the comments by alumni.

In his professional development Professor O'Connor has followed his Ph.D. in Economics with a Master's in Public Health at Harvard University. This has given him strength in his field of medical economics. His major article in *Health and Society* together with other scholarly activities testify to Professor O'Connor's professional excellence. He has been able to relate his professional interests to the development of interactive and interdisciplinary projects.

He has provided very significant professional service to the Worcester community; has been a member of the Comprehensive Health Planning Council of Central Massachusetts, and has served on the Advisory Panel to the City of Worcester for Environmental Assessment of Community Development Projects.

Dr. Lance E. Schachterle, Associate Professor of Humanities. Education: B.A. Haverford College - 1966; M.A. University of Pennsylvania - 1968; Ph.D. University of Pennsylvania - 1970.

The evaluation of Professor Schachterle's teaching by alumni, students, and colleagues indicates his teaching to be of the highest caliber. He has consistently developed new courses, some of which have been especially innovative; for example, his evening course in Modern Novel, co-taught with members of the Physics and Mechanical Engineering Department. His project contributions are also excellent.

Professor Schachterle has served on many committees, and as Chairman of two important ones: Academic Policy and Ad Hoc Accreditation. He helped set up the London Student Exchange and served as

its coordinator since 1971, and he has made many contributions to the program quality of his department.

In the area of creative scholarship, he is also outstanding. He is presently working with Professor Beard of Clark University and Professor Andersen of WPI on the definitive edition of Cooper's *The Pioneers*. In addition to being a member of the Research Society for Victorian Periodicals, he is a past president of the Worcester Chapter of the Dickens Fellowship. His record of publications and presentations attests to his contributions to creative scholarship in literature.

Dr. Michael M. Sokal, Associate Professor of Humanities. Education: B.E. The Cooper Union - 1966; M.A. Case Western Reserve University - 1968; Ph.D. Case Western Reserve University - 1970.

Experience: Component Engineer, IBM Corporation, Space Guidance Center Development Engineer, National Aeronautics and Space Administration, Lewis Research Center.

Professor Sokal is a highly productive and outstanding scholar. He has published over 20 articles, ten of which were major works. In addition, he has presented colloquia at a number of colleges and universities including Mount Holyoke, Ohio State, Johns Hopkins, Harvard, and Carnegie-Mellon. His promise as a scholar is further evidenced by the Smithsonian Institution awarding a post-doctoral fellowship in 1973-74.

He has been elected a National Affiliate of the Division of the History of Psychology of the American Psychological Association. Currently he is the Vice-Chairman of the Program Committee of Cheiron; the International Society for the History of the Behavioral and Social Sciences.

Professor Sokal is a very fine teacher who is enthusiastic, energetic, and demanding. He is unusually effective in directing student work on sufficiencies, independent studies, and research projects. Professor Sokal has been a major contributor to course development as evidenced by his establishing a program in the History of Science and Technology at WPI.

Dr. Douglas Woods, Associate Professor of Social Science and Policy Studies. Education: B. Comm. Queen's University - 1962; Ph.D. Massachusetts Institute of Technology - 1970.

Experience: Senior Research Associate, Charles River Associates; Assistant Professor of Economics at McGill University.

Professor Woods has a talent for developing professional research in economics which leads to Qualifying Projects. His study of load forecasting for the New England Electric Company, for example, has been the source of projects for a number of students in Electrical Engineering. His consulting work with Charles River Associates has great potential for student Qualifying Projects.

Professor Woods has taught a wide variety of well-accepted courses in economics and business. His current participation in our Teaching-Learning Workshop indicates his interest in teaching. It is clear from student and alumni comments that Professor Woods is dedicated to his field and does inspire students particularly in the higher level courses.

Professor Woods has served ably in a variety of faculty activities on campus.

Faculty Promotion

Dr. C. Hackett Bushweller to Professor of Chemistry. Education: A.B. Hamilton College - 1961; M.S. Middlebury College - 1963; Ph.D. University of California, Berkeley - 1966.

Experience: Senior Chemist with Mobil Chemical Company.

Professor Bushweller has made a major impact through his extensive and well-recognized work in dynamic nmr spectroscopy. Because of this professional activity he has had very positive effects on the quality and quantity of undergraduate and graduate project work in the Department of Chemistry. He has published extensively and has received several national awards; namely his appointment as a Sloan Research Fellow in 1971, appointment as a Camille and Henry Dreyfus Teacher-Scholar in 1972, and appointment as a Visiting Professor at the University of Michigan last year. He ranks among the group of talented young chemists in the

country.

Professor Bushweller has also made service contributions in his department and through efforts such as participation on the Graduate Education Committee and work with the Lacrosse Team.

Dr. Donald C. Eteson to Professor of Electrical Engineering. Education: B.S. Worcester Polytechnic Institute - 1948; M.S. Worcester Polytechnic Institute - 1956; Ph.D. Worcester Polytechnic Institute - 1966.

Experience: Instructor and Associate Professor at Worcester Junior College.

Professor Eteson has made unique contributions to the educational program at WPI through his creative engineering in the field of digital systems and hybrid computers. The esteem in which he is held by professional associates in his department and in his society is also very evident. His cooperative projects with other departments is commendable. His great strengths are his outstanding abilities as a design engineer in the important areas of modern computer engineering, his excellent contributions in project supervision both on campus and at our center at Digital Equipment Corporation, the depth and breadth of his knowledge in a broad spectrum of Electrical Engineering and his enthusiastic service to WPI.

Dr. Yi H. Ma to Professor of Chemical Engineering. Education: B.S. National Taiwan University - 1959; M.S. University of Notre Dame - 1962; Ph.D. Massachusetts Institute of Technology - 1967.

Experience: Consultant, U.S. Army Natick Laboratories; Research Laboratory Dynatek Corporation; Consultant for NRC NuFuel Company, Cabot Corporation, and Merit Oil Company.

Professor Ma meets all criteria established for the rank of full professor. He has maintained high standards of teaching and is particularly well regarded by the better students. With respect to creative scholarship, he has established an international reputation in the field of diffusion phenomena. His continuing development in creative scholarship has culminated this year in five publications in the field of microwave freeze-drying process. He has also received a major grant in the past year to study liquid diffusion of hydrocarbons in porous alumina. His professional standing has been recognized when he was selected for three years to the AICHE Adsorption Committee.

Professor Ma has also been extremely active in service to WPI. He was responsible for setting up and supervising the first off-campus internship center at the U.S. Army Laboratories at Natick and is currently serving as a member of the Committee on Governance. He has achieved leadership stature in creative scholarship and service to WPI.

Dr. Lorenzo M. Narducci to Professor of Physics. Education: Ph.D. University of Milano, Italy - 1964.

Experience: Assistant Professor at the University of Milano.

Professor Narducci has maintained high standards of teaching; he has a record of high quality research in his field of quantum statistics of light as well as an impressive broad range of subjects in physics; he has contributed in service to WPI through his department. In the first two areas he has demonstrated leadership and has attained international recognition for his contributions in optics. He is, without doubt, one of our truly creative people and ranks among the outstanding teachers of campus.

Dr. Stephen R. Alpert to Associate Professor of Computer Science. Education: B.S. Worcester Polytechnic Institute - 1967; M.S. Lehigh University - 1969; Ph.D. Lehigh University - 1971.

Experience: Computer Programmer at Raytheon Company; Consulting with Digital Equipment Corporation to develop several Graphic Packages.

Professor Alpert has demonstrated initiative in his many activities in the Computer Science Department and exhibits a depth of knowledge of the hardware as well as the software aspects of computer systems. His consulting work is highly regarded and he is a contributor to the publications of the DEC Users Group.

He is a successful teacher at both the undergraduate and graduate levels and has been an equally good advisor to undergraduate student projects and graduate

[cont. to page 11]

Tenure

(cont. from page 10)

theses. Several of these endeavors have resulted in the development of useful computer-oriented systems and publications by the students. Professor Alpert is very active at the national level in his professional society — Association for Computing Machinery — and shows great promise for an outstanding career.

Dr. Douglas T. Browne to Associate Professor of Chemistry. Education: B.S. Massachusetts Institute of Technology - 1964; Ph.D. University of Illinois - 1968.

Experience: Postdoctoral Fellow at Harvard University; Assistant Professor at the University of California, Berkeley; Three year appointment as Affiliate Scientist at the Worcester Foundation for Experimental Biology effective 1975.

Professor Browne came to us with outstanding recommendations from the University of California at Berkeley. During his short period here he has gained the same admiration of his colleagues at WPI and the senior scientists at the Worcester Foundation for Experimental Biology with whom he is collaborating. He is a careful and successful classroom teacher, but makes his real mark as a project supervisor. There is little doubt that he will be known as a creative chemist already emphasized by the fact that he was chosen as the principal investigator on a major \$1,500,000 proposal to NIH (joint with WFEB).

Dr. Ronald D. Cheatham to Associate Professor of Life Sciences. Education: B.A. University of Minnesota, Duluth - 1965; M.S. University of Minnesota, Minneapolis - 1967; Ph.D. Purdue University - 1970.

Experience: Assistant Professor at Southwest Minnesota State College.

Professor Cheatham's record is especially strong in the area of creative scholarship as evidenced by the number and quality of his articles, technical reports, and successful research proposals. In particular, Professor Cheatham, an outstanding consultant in ecology, is developing a national reputation in the field of Environmental Impact Statements.

Professor Cheatham is a sound and solid

teacher who combines classroom effectiveness with high academic standards at both the graduate and undergraduate levels.

Professor Cheatham has served his department in various ways. The most striking example of this is the internship center at Clapp Laboratory (Oceanography) established by him and another faculty member.

Dr. Edmund M. Hayes to Associate Professor of Humanities. Education: B.A. Emerson College - 1955; M.A. Boston University - 1956; Ph.D. University of Massachusetts - 1972.

Experience: Instructor at the University of Dayton and University of Cincinnati; Consultant for the English Departments of the Worcester Public High Schools.

In the teaching area, Professor Hayes has developed four well-received courses on Shakespeare, a humanities sufficiency in Drama-Theatre, and a series of outstanding theatrical productions which required students to act, produce, and direct.

Professor Hayes scholarly research and professional development has recently taken a significant step forward. The highly regarded *New England Quarterly* has agreed to publish his edited version of Mercy Otis Warren's *The Defeat* in September 1976. Professor Hayes also presented a paper before the New England Theatre Conference entitled "The Propaganda Plays of Mercy Otis Warren." He has reconstructed the text of *The Masque of Alfred*, the first dramatic opera produced in America, to be staged by the Bicentennial Society of Philadelphia in 1976. These contributions, together with other achievements and research pertaining to the development of American theatre, have increased Professor Hayes' professional reputation.

He has been a consistent contributor to his department and to the campus.

Dr. Mayer Humi to Associate Professor of Mathematics. Education: B.Sc. Hebrew University of Jerusalem - 1963; M.Sc. Hebrew University of Jerusalem - 1964;

Ph.D. Weizmann institute - 1969.

Experience: Head of Programming Group at Tel Aviv University (Institute of Space Science); Assistant Professor and Research Associate at University of Toronto.

As indicated by his numerous publications in respected journals, Professor Humi is particularly strong in the area of creative scholarship. In addition, he is an effective teacher especially in projects and independent studies many of which are interdisciplinary in nature. Professor Humi has participated effectively in departmental affairs and has organized a local TV science program. He ranks as a versatile, talented, productive teacher and scholar.

Dr. Francis C. Lutz to Associate Professor of Civil Engineering. Education: B.S. Newark College of Engineering - 1966; M.S. New York University - 1967; Ph.D. New York University - 1971.

Experience: Associate of the M. Disko Associates; Engineering Consultant with Elson T. Killam, Inc.; Instructor at New York University.

Professor Lutz's accomplishments in establishing the Washington Project Center as a going concern as its first Director during the past two years have been outstanding. In particular, significant progress was made in developing the project mode of teaching. Professor Lutz insisted upon and obtained a high level of academic performance by the students involved. He also broke new ground in bringing about productive and meaningful interaction between students working in their respective disciplines and government agencies. While it is recognized that a line cannot be drawn with precision between Professor Lutz's academic and administrative duties at the Washington Project Center, it is apparent that the academic aspect of his work has been vital to its success. He is a demanding teacher and shows great promise for the future.

Dr. Jo Ann Manfra to Associate Professor of Humanities. Education: B.S. State University of New York at Cortland -

1963; M.S. State University of New York at Cortland - 1966; Ph.D. University of Iowa - 1975.

Experience: High School English Teacher in Schenectady, New York; High School History Teacher in Kingston, New York; Instructor of History at Ball State University.

Professor Manfra has achieved significant accomplishments since joining WPI in 1972. Her energies have been directed with admirable balance in the areas of teaching, creative scholarship and service. She is not only an accomplished and well-liked teacher, but as an American historian, has made significant contributions to scholarly journals in the history of religion. Professor Manfra is a member of both the departmental and the WPI curriculum committees and is also active outside WPI as representative to both the Massachusetts Foundation of Humanities and Public Policy and the Massachusetts State Division of the American Association of University Women.

Philip J. Grebinar to Assistant Professor of Physical Education. Education: B.S.E. State University of New York at Cortland - 1971; M.S. State University of New York at Cortland - 1972.

Experience: Assistant Football Coach at SUNY, Cortland; Assistant Wrestling Coach at Cortland High School.

Mr. Grebinar is considered to be one of the most valuable members of the Department of Physical Education. He is a truly professional oriented individual who is constantly striving to improve his teaching and coaching techniques. Mr. Grebinar's assignments include coaching wrestling and assisting in coaching football and baseball. His professional development includes active participation in eight athletic associations and he has been director or head counselor of summer sports camps. More importantly, his professional scholarship includes three publications in the past year in well-known athletic journals.

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Young Frankenstein

This Sunday, February 22, the Lens and Lights Club is proud to present the comedy hit of 1975, Mel Brooks' "YOUNG FRANKENSTEIN". (Note: this film is replacing the previously scheduled feature: "IMAGES".) There will be two showings, both in Alden Memorial Auditorium at 7:30 and 10:00 p.m.

The famous L&L concession stand will be selling popcorn and refreshments for your movie watching enjoyment. We'll even have some cartoons! And best yet, admission is still only \$1! So come on out this Sunday for a great time with a hilarious movie.

"MEL BROOKS' COMIC MASTERPIECE"

— Hollis Alpert, SATURDAY REVIEW



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MARTY FELDMAN · CLORIS LEACHMAN · TERI GARR
KENNETH MARS · MADELINE KAHN

Produced by
MICHAEL GRUSKOFF MEL BROOKS GENE WILDER · MEL BROOKS

Directed by
MEL BROOKS
Costume Designer MARY W. SHELLEY · Editor JOHN MORRIS

PG

Soundtrack available on ABC Records & GRT Tapes

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Are you a radical?

(CPS) — You may be more important than you think.

If you belong to a black student group; if you have participated in any one of a wide range of campus political activities; if you have had any connection with a group even vaguely radical, then there may be a file on you somewhere in Washington. Under the Freedom of Information Act and the Privacy Act (a recent amendment to the original Freedom of Information Act), you can obtain those files.

There are more than 100 government agencies which have some sort of intelligence function. Under the new law, you may make requests to any federal agency. Several agencies have admitted to conducting illegal investigations of American citizens. These include the CIA, the FBI, the Justice Department, the Department of Defense, the Civil Service Commission, the Secret Service and the Internal Revenue Service.

To obtain files under the Act, write a letter to each agency from which you want to request your records. Your letter should initially indicate that it is a request under the Freedom of Information Act as amended: Section 552 of Title 5, United States Code.

State that you are requesting records stored under your name or documents containing your name. You should indicate the willingness to pay reasonable fees for search and copying, though you may wish to request a waiver of fees (the CIA routinely waives fees on request for personal records — other agencies do not).

The charges may range anywhere from \$10 to \$50.

In the request letter, provide your full name and full present address and your Social Security number. It is also helpful to include your phone number. Many federal agencies now require that your signature on the request letter be notarized, to insure that you are who you say you are.

The law states that you are entitled to a response within ten working days. Your letter should request a response within that time.

If your request is denied in whole or in part, you have the right of appeal. The denial letter by the agency will give you the name of the person within the agency to whom the appeal should be sent. Your appeal must be answered by the agency within 20 working days. If your appeal is denied and you still want to pursue your records, you can file suit in the Federal District Court of your home town, in the District of Columbia or where your records are kept.

In addition to your right to study your own files, the Freedom of Information Act allows you to request changes or deletions in the information they contain, and gives you control over what other agencies that information is passed on to.

The Freedom of Information Act does hold one slight Catch 22. If you do have records in a particular agency, your request letter for those records will be added to them. And if you didn't have a file before, you do now: a file will be started and your request for your file will be the first item in it.

Pot legal in the home

by Allan Rabinowitz

(CPS) — The joint you are smoking may soon be protected by the U. S. Constitution, if a number of suits being filed in state and federal courts around the country are successful. Alaska has already given constitutional protection to pot use in the home.

The National Organization for the Reform of Marijuana Laws (NORML), the nation's most successful pot lobby, has filed suits claiming that the use of marijuana in the home falls under the protection of the constitutional right to privacy. NORML has filed suits in California, Illinois, Tennessee and the District of Columbia.

The suits mark a major shift in NORML's strategy, which has formerly concentrated its resources on lobbying efforts in Congress and various state legislatures. NORML was instrumental in getting marijuana decriminalized in six states.

But the decision of the Alaska Supreme Court broke the ice on the constitutional issue and set a strong precedent that will be used in the other suits. NORML will now devote a much greater proportion of its resources to court battles than it had earlier, but will continue to lobby in legislatures as well.

The Alaska Supreme Court, in its unanimous ruling, stated that there was no firm evidence that marijuana use was harmful to the user or would "constitute a public health problem of any significant dimension... Mere scientific doubts," said the court, "did not warrant government intrusion into the privacy of the home."

Since the Alaska decision was based on a privacy clause in the state constitution rather than the U. S. Constitution, it cannot be appealed to the U. S. Supreme Court.

The aspect is one of the advantages of pursuing marijuana reform through the courts rather than legislative bodies, according to Keith Stroup, director of NORML. The court decision is not subject to the whimsy of politicians. Once the decision is made in a state supreme court, based on the state constitution, it has fundamental protection that can only be changed by that court itself or by a constitutional amendment.

A decision putting marijuana use under the protection of the right of privacy would also allow someone to cultivate the weed for personal use and to transport it as well. Under the Alaska decision, there is no constitutional protection for amounts of marijuana for sale rather than for personal use.

But at the same time, there is no maximum quantity explicitly set for personal use and the court generally assumed that amounts of pot ranging from eight ounces to one pound are for personal use. This amount is much greater than that set in even the most liberal laws passed by

state legislatures, which generally designate an ounce or less for personal use.

In addition to the principle argument of the right of privacy, the suits also claim that current marijuana laws constitute cruel and unusual punishment for the offense involved, and that the laws deny equal treatment under law, since alcohol and tobacco are not treated the same even though there is definite proof that they can pose health hazards.

Some of the arguments opposing constitutional protection for the private use of marijuana state that the substance has indeed proven to be dangerous and that constitutional protection would open the door for similar rulings for more dangerous drugs such as heroin.

Peter Meyer, legal counsel for NORML, counters these arguments on the grounds that the suit deals only with marijuana, that there is no positive proof of harm and that the burden of proof is on the state to prove that pot "poses some significant threat to the individual or danger to the public welfare" — a threat that has not been proven.

In addition, Meyers said, even if a substance were to prove dangerous to an individual, it would still violate his constitutional right to use it personally: "Why don't we have laws against skydiving? That's dangerous."

Until the Alaska decision, courts would not rule on the constitutional question, but rather take "an easy out" by claiming that marijuana was an issue for the legislatures, said Meyers. They "simply did not want to get involved," he explained. But now that Alaska has taken "a leadership role," other courts are more likely to confront the privacy issue, Meyers added.

The question is bound to reach the U. S. Supreme Court. Since the District of Columbia lies under federal jurisdiction, the suit has been filed in federal court. An appeal would go directly to the U. S. Supreme Court, and according to Stroup of NORML, either side that loses will definitely take it to the high court. Former Attorney General Ramsey Clark will donate his time to argue for NORML's suit.

In California, the suit cites privacy clauses in both the state and federal constitutions. California boasts more marijuana arrests than any other state. In Los Angeles County alone, where the suit has been filed (along with San Francisco County) the number of pot busts is higher than in most states. Even though California has recently passed legislation reducing marijuana penalties, the law does not go far enough, according to Gordon Brownell, west coast director of NORML.

The absolute earliest that the suits in various states are expected to reach trial in lower courts is next spring. They may not reach the state supreme courts or the U. S. Supreme Court for two years.

PLANET TREK

Gary Davis's video taped satire is going into production March 1st.

We are looking for:

1. ACTORS: Lt. Obscura, Mr. Scoot, and People of Solos III
2. SET CONSTRUCTORS: Carpenters, Electricians, and Painters
3. TECHNICAL POSITIONS: Stage Manager-Assistant Director and camera people.

If interested, please contact Gary as soon as possible at 752-6186, or WPI Box 1865, or Stoddard B 116.

WPI READING CLASS

Trouble reading? The WPI reading class can help you. The class meets from 4:30 to 5:30 daily for three weeks beginning Wed., Feb. 18, in AK 117. Further information can be obtained from student affairs or from Roy Astley, Stoddard C (counseling services) extension 540. The charge for the course is only \$5, and is payable when you register or at the first class meeting. Register now!

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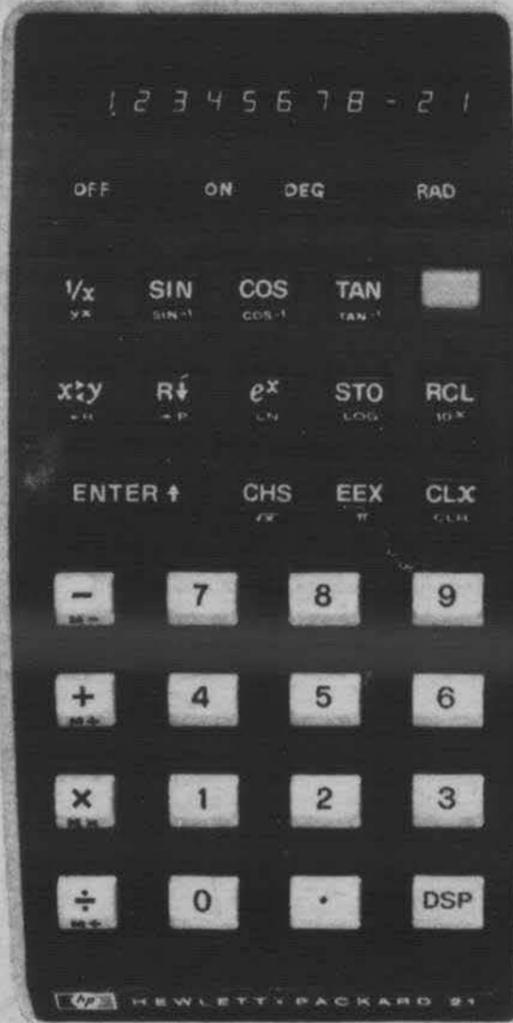
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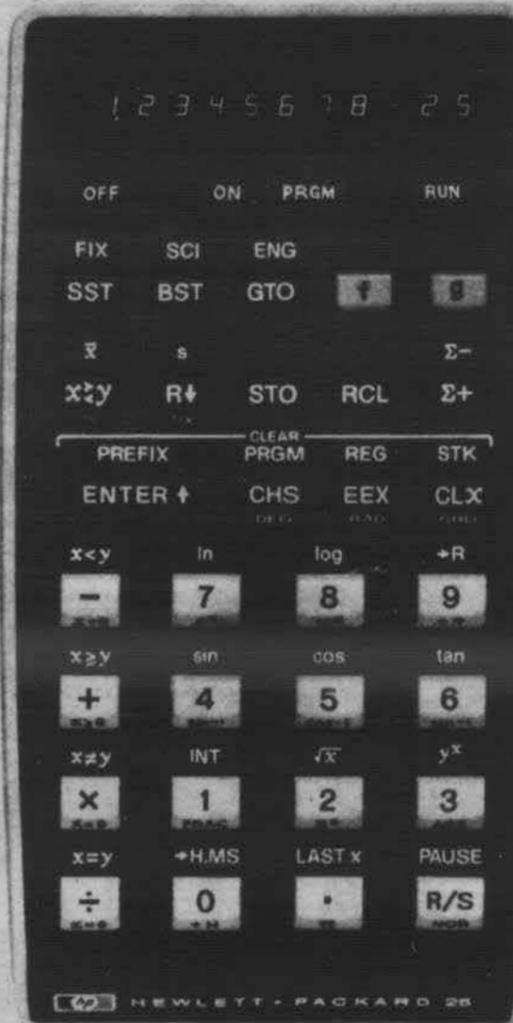
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I.M. basketball

Morgan Hall nearly felt the sting of defeat as they were nearly upset by Sigma Pi last week. Morgan Hall led by Phil Cameron, 14 points and Marty Paglione 13 points squeaked by with a 36-34 victory. Sigma Pi now 3-4 were led by Al Apel's 18 points. Morgan Hall will have to play better ball against once defeated LCA (1) in next weeks action. LCA (1) had last week off, but play STA (2-3) on Wednesday. FIJI (A) stayed tied in second place with a 49-25 victory over the Cosmos. Peter Hayden led all scorers with 14.

In division B, SPE (1) swamped over DST with a 72-22 victory. Leading scorers were Mike Walker and Jim Morris both scored 15, while Pete Stanton chipped in with 14. SPE (1) and SAE (1) as of this paper have met in a matchup of undefeated teams. The winner will stay in a tie for first with PSK (A). PSK (A) has this week off and will come back next week against SAE (1).

PKT (A) got some well needed work in as they beat LCA (2), 3-2, after having to win two games by forfeit. PKT (A) won by the

score of 55 to 28. PKT (A) 5-0, had a big game Monday against once beaten BSU, 5-1. OTHG will have two weeks off before they meet the tough BSU team, next. LCA (2) who lost to PKT (A) suffering just their second loss which now puts them in a tough position to make the playoffs.

In division D the IRA met a stubborn SPE (2) team but prevailed with PKT (D), 4-1. This game was played as of the printing of this paper. However as of Friday the 13th, the standings remained the same as last week with IRA on top with a 5-0 record and three teams, Celts, ATO, and PKT (D) all with one loss.

Last week's all-star team:
Bob Warburton with 20 points in a 47 to 38 victory of the Cosmos over Theta Chi. Jeff Hammond a 18 point scorer for the DS in a 35 to 17 victory over FIJI (C).

Phil Cameron scoring 14 points in MH victory over Sigma Pi.

Mike Walker of SPE (1) scored 15 against DST.

Jim Morris also of SPE (1) scored 15.

INTERVIEW SCHEDULE

WEDNESDAY 18

- | | |
|--------------------------------|-------------------------|
| 1) -- Con Edison Company | BS EE, MR, CE |
| 2) * Estee Lauder Company | BS ME, EE, CM, MG |
| 1) * U.S. Dept. of Navy-Capson | BS CE, ME, IE, EE MS EE |
| 1) Westvaco Corporation | TBA |

THURSDAY 19

- | | |
|----------------------------|---------------------------|
| 2) -- Celanese Corporation | BS-MS CM, ME BS Marketing |
| 2) * Dow Chemical Company | BS-MS CH, CM, ME |
| 2) * Estee Lauder Company | Second day |
| 2) * Raytheon Company | BS-MS EE, ME, CS |
| 2) Shell Company | TBA |
| 1) Westvaco Corporation | Second day |

FRIDAY 20

- | | |
|-------------------------------|----------------|
| 2) * GTE Sylvania Corporation | TBA |
| 1) Hercules Incorporated | BS-MS CM BS ME |
| 2) * Raytheon Company | Second day |
| 2) Shell Company | Second day |

* U.S. Citizenship required
** Permanent resident visa required
The student needs a permanent visa at the interview

I.M. bowling

by John Forster

Scores are beginning to skyrocket as three new records were broken several times last week. The team total record of 1996 set by PKT on January 27 against DST was smashed by FIJI on February 9 against ZP with 2113, but the new record was short lived as GDI pushed the high mark to 2143 on February 13 (also against ZP).

Tom Vaughn's long stand high single of 223 was broken first by John Forster of FIJI

on February 3 with a 227, but that record was soon broken by teammate Bob Medeiros on February when he rolled a 236. The final word was John Nawosacki's of GDI, though, as he soon set the mark seemingly out of reach on February 13 as he rolled a 259.

The high triple of 592 also held a long time by Tom Vaughn was tied by Bob Medeiros on the 9th, but it was shattered by John Nawosacki as he rolled a 186 and 222 in addition to his 259 for a 667 triple

IM BOWLING

thru 2-13-76

- | | |
|----------------|-----------------|
| 1. GDI 19-1 | 9. TKE 8-12 |
| 2. FIJI 22-2 | 11. SPE 6-18 |
| 3. SP 22-2 | 12. CB 5-15 |
| 4. PKT 21-3 | 13. PSK(A) 5-19 |
| 5. ATO(1) 19-5 | 14. TC 4-16 |
| 5. SAE 19-5 | 15. DST 3-21 |
| 7. ICA 15-5 | 16. ATO(2) 1-15 |
| 8. PSK(B) 6-10 | 17. ZP 1-23 |
| 9. NFW 8-12 | |

The Top Ten Bowlers Are:

- | | |
|--------------------------------|---|
| 1. Joe Kolis (CB) 180.28 | 6. Bob Medeiros (FIJI) 170.8 |
| 2. John Nowosacki (GDI) 180.26 | 7. Geoffrey Matter (NFW) 168.4 |
| 3. Tom Vaughn (PKT) 179 | 8. Beks Anderson (SP) 168.1 |
| 4. Jack Germaine (GDI) 178 | 9. Randy Emerson (SAE) 168 |
| 5. Rod Abramsen (LCA) 171 | 10. Paul Curdo (ATO-1) & Keith Krantz (ATO-1) 167 |

WPI ski club

by Kondo

The ski team finished the third weekend of racing in first place. Two good days of racing gives WPI a comfortable lead going into the second half of the season.

On Feb. 7th WPI won the slalom with John Rice, Brian Huff and John Hannon placing first, fifth and seventh overall. The next day in the giant slalom an extremely icy course gave WPI problems. They still managed a second place finish for the race and Individual placings of first and second

by Rice and Huff. Special mention should go to Bram Arnold who came through with two consistent days of racing when the pressure was on. These consistent finishes were detrimental to the team's good success.

This Friday the team will be engaged in a race for the best teams of the conference. Victory in this race would be a major upset as WPI will be facing strong skiing schools such as UMass, Plymouth State and Amherst College. WPI is ready for the challenge.

I.M. b-ball standings

		C	D
MH 7-0	PSK(A) 6-0	OTHG 6-0	IRA 5-0
FIJI(A) 6-1	SAE(1) 5-0	PKT(A) 5-0	ATO(1) 5-1
LCA(1) 5-1	SPE(1) 5-0	BSU 4-1	PKT(D) 4-1
PKT(B) 4-2	AWT 3-3	LCA(2) 3-2	CELTS 4-1
PSK(B) 4-2	SAP 2-3	ATO(2) 2-3	RLY(1) 2-3
SP 3-4	TBB 2-4	WSU 2-4	DS 2-4
STA 2-4	PKT(C) 1-4	FIJI(B) 1-4	SPE(2) 1-4
COS 1-6	DST 0-5	SPE(3) 1-4	ZP 1-5
TC 0-6	LCA(3) 0-5	TKE 0-6	FIJI(C) 0-5
SAE(2) 0-6			

LONDON EXCHANGE

The WPI Student Foreign Exchange Committee invites all students (including Freshmen) interested in participating in the exchange program with The City University (London) to attend an open meeting on

THURSDAY, 26 FEBRUARY AT 4:00 P.M.
in the HIGGINS LAB CONFERENCE ROOM (Higgins 101)

Several WPI students will be able to participate in either the fall of 1976 or spring of 1977. Both WPI and London exchange students will be present at the meeting to answer your questions. Specific information on The City University is available at the Library Reference Desk, or on the videotape "Introduction to the London Exchange."

For other information, see Professor Schachterle (Alden) or Professor Hammond (Higgins).

Competency Exam Results for January, 1976

DEPARTMENT	AD	AC	NR	TOTAL
Chemistry	4	2	2	
Civil Engineering				
Chemical Engineering	5	18	9	
Computer Science	10	11	2	
Electrical Engineering	5	17	12	
Humanities	0	2	0	
Interdisciplinary				
Life Sciences	2	2	0	
Mathematics	1	2	0	
Management Engineering	1	6	1	
Mechanical Engineering	5	26	22	
Physics	1	3	2	
Total	34	89	50	

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SPORTS

Wrestlers wrap up with a win

by Mike Beaudoin

The WPI wrestling team wound up its season on the road with two tough tri-meets.

On February 10, the Engineers travelled to U. Conn. to take on U. Conn. and MIT. The team wrestled well against MIT, but came up on the losing side 28-13, with many close matches going to MIT. Winning for Tech were Mike Beaudoin (134) by a 9-7 score, Jim Gorman (150) by default and Tom Pajonas (177) with a 12-2 superior decision.

Tech next took on a good U. Conn. team, losing 23-15. Scoring for WPI were Beaudoin (134) with a 10-5 decision, Gorman (150) with a 13-1 superior decision, and Pajonas (177) with a 3-2 decision over an opponent who was third in N.E. last year. The last two matches were draws with Gerry Batchelder (190) tying 3-3 and Bob Winter wrestling to a scoreless draw.

Saturday, February 14, Tech travelled to Wesleyan where they took on Wesleyan and Hartford.

The first meet was against a good Wesleyan team which had beaten some

formidable teams. Our team wrestled very well and came out on top by a score of 24-11. After forfeiting the 118 lb. match, Henry Baley moved up to 126 and won 6-1. Other winners for Tech were Beaudoin (134) 16-8, Kevin Northridge (142) 4-2, John Contestabile (158) 3-1, John Cozzens (167) 6-1, Gerry Batchelder (190) 2-0, Tom Pajonas (177) wrestled to a 2-2 draw in his match.

The Engineers then took on a fresh Hartford team (WPI having already wrestled once), and lost by a score of 27-14. Winding up their season with wins were Mike Beaudoin (134) with a second period pin, John Contestabile (158) with a 3-2 decision, and Gerry Batchelder (190) 4-3. Bob Winter rounded out the scoring with a 1-1 draw.

The Grapplers dual meet record winds up with 4 wins and 9 losses, but the team is looking forward to a good showing in the New England's which will be held at Williams College, February 27-29.



Photo by Bryce Granger

Hoop team now 6-14

by Grogano

Worcester Polytechnic Institute's basketball forces have suffered through some hard times this winter, losing 12 of 14 games during December, January, and early February. Despite the losing record the Engineers have played well at times yet cannot seem to come up with a consistent effort.

In losses to Bentley and Springfield (85-71 and 70-67 respectively) before New Year's Day the engineers displayed some sound basketball against top ranked division II teams. Only rallies by both teams enabled them to defeat the upset-minded Engineers. WPI played very well in the holiday tournament at Central Connecticut State College losing to the host team 85-76 in the opener and to Middlebury 73-71 in the consolation game. Both games were hotly contested and ended up with WPI being hurt from the free-throw line. WPI captain Peter Krupinsky was named to the all-tournament team for his superior play.

WPI ended their 4 game losing streak with a 84-50 romp over outmanned New

Jersey Institute of Technology. Rick Wheeler was too much for the visitors from Newark as he pumped in 30 points for the night.

This was to be the last win for the Engineers for a while as they went on to lose 7 consecutive to Amherst, AIC, Middlebury, RPI, Babson, the University of Lowell and Brandeis. Four straight road games didn't help the Engineers who were bothered by some cold shooting.

WPI recently snapped their losing streak with a 104-87 victory over a nationally ranked Colby College team. In what was described as, "Their best basketball of the season," the Engineers shot an amazing 62 per cent from the floor. Rick Wheeler and Al Barry lead the Engineers to their fifth victory of the season, contributing 30 and 21 points respectively.

WPI inconsistency became apparent, when in the next outing the Engineers hit on only 26 of 82 shots for a 32 per cent shooting night in a 75-64 loss to Trinity. The loss brought WPI's record to 5-14 entering the last 5 games of the season.

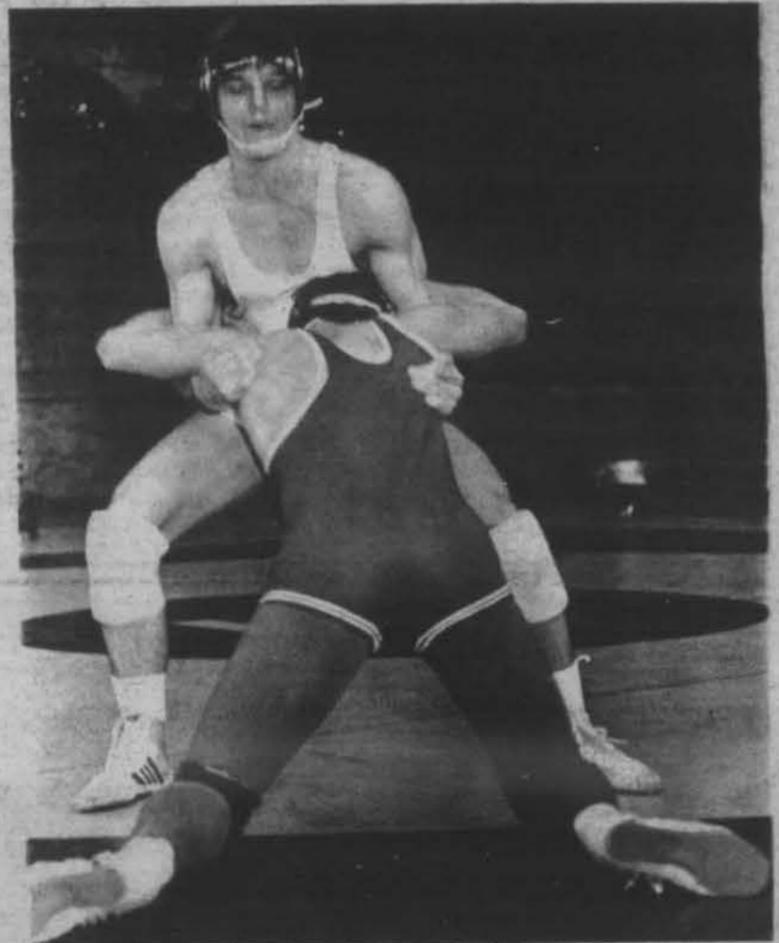


Photo by Bryce Granger

Wheeler is rolling

by Steven Raczyński

Worcester Polytechnic Institute's Ricky Wheeler has rather steadily and methodically become one of the top guards in New England college division basketball circles.

The 6'2" junior guard from No. Brookfield, Ma. is presently averaging 22 points per game through WPI's first 19 contests, a figure that places Ricky high among New England's Division II scoring leaders — and he's rolling close to the top.

A St. Peter's High of Worcester grad, Wheeler has had a most impressive season thus far, leading his team in several statistical categories. Besides points scored and scoring average, Rick leads his mates in field goals made, field goals attempted, free throws made, free throws attempted, free throw percentage and assists. And Wheeler has been WPI's game high scorer 12 of a possible 19 times, tallying 30 or more points four times.

In spite of WPI's overall record of 5-14 (five of those losses have been by a total of 14 points), Ricky Wheeler has already been prominently mentioned six times (of a possible eight) by the ECAC Division II Weekly Honor Roll — three times as a member of the first team.

A look through the record books shows that Wheeler has more than an excellent chance of breaking the WPI single season scoring mark set by Richie Allen during his senior year in 1973-74. As of this writing, Wheeler is just 80 points shy of Allen's record of 497 points in one season with five full games remaining. At his present pace,

Ricky could break that mark versus M.I.T. on the road in the next to last game of this '75-'76 campaign.

"Ricky Wheeler has been outstanding this season," states WPI Coach Ken Kaufman, "but more importantly, he's been extremely consistent. He has not really had one bad performance by his standards yet. Not only is he our high scorer, but he has been our primary ball-handler which only adds to the pressure, yet he has handled it all very well.

"But now that Al Barry is doing more of the handling, it has certainly helped Ricky's game," said Coach Kaufman, citing Ricky's scoring totals of 104 points in the last four games, including 30 in a 104-87 upset win over Colby. That particular triumph was especially sweet for Wheeler, who transferred from Colby and only became eligible to play at WPI a year ago January.

"He worked very hard in pre-season, running quite a bit to get into shape," said Kaufman. "And his conditioning has really paid off since he's playing a full forty minutes a game, yet he never lets up."

"That's one reason his play has greatly improved this season, the other is his self-discipline on the court," explained his coach. "He is taking only good shots now, and that's the major reason his average is skyrocketing."

"What really separates Rick Wheeler from the other top guards, though, is his ability to penetrate," said Coach Kaufman. "There is no one in New England that has a quicker first step on a drive to the hole than Ricky Wheeler."

Cagers scuttle Coast Guard

by Pudge

Friday, the 13th, brought nothing but good luck to WPI's basketball team, as they used a hot-shooting first half and swarming defense to defeat visiting Coast Guard 76-56. The final score doesn't even indicate how wide open the game actually was as the Engineers, behind the excellent outside shooting of Rick Wheeler and the inside effectiveness of Pete Krupinsky, raced off to a 20-4 lead midway in the first half. For all intents and purposes the game was over right there as the cadets never came to life.

The Engineers, who one week earlier had a romping upset over Division III power Colby, intimidated their smaller and younger opponents to a point where no cadet could make any penetration into the scrappy WPI 1-2-2 zone defense. The visitors were found to settle for one jump shot every time down the court. Controlling the boards were Krupinsky, Paul Murphy, and Bob Stack who would then hand the show over to Wheeler, who was ably

assisted by guard Al Barry who ended up dishing out a career high 13 assists in addition to scoring 13 points. By halftime the score ballooned to 41-19 with Coach Kaufman already leaving his bench.

The cadets must have been threatened with KP duty at halftime because they came out shooting like there was no tomorrow. Coast Guard actually did outscore WPI in the 2nd half, 37-35, but to coin a phrase, "it was too little, too late." The one-two punch of Wheeler and Krupinsky just kept on rolling as the Engineers improved their record to 6-14. For the records, Wheeler ended up with 30 points hitting 14 for 26 from the floor. Krupinsky had 13 points, shooting 6 for 8 and also hauled in 11 caroms. One interesting statistic is that WPI forced Coast Guard into making 24 turnovers, which gives credit to the Engineer's ever-hustling team defense. With 4 games left, Tech could end their season on a very winning note.

STUDENT GOVERNMENT ELECTIONS for PRESIDENT and SECRETARY

March 4

All candidates must submit petition of 25 signatures to George Hefferon no later than 4:00 p.m. Fri., Feb. 20.
For more details see article in this week's issue.

THE WPI SOCIETY OF MATHEMATICS Presents its SPRING LECTURE SERIES

Thur., Feb. 19
Tues., Feb. 24
Tues., Mar. 2
Tues., Mar. 9

Lambda calculus (I)
Lambda calculus (II)
Nonstandard analysis
Catastrophe theory

John Major
John Major
Chuck Dreyfus
Prof. Fraser

All will be at 4 p.m. in SH 106. Everyone is invited.

What's Happening?

Tuesday, February 17

WPI Business Women's Club: Dean Grogan Speaker, Higgins House, 12 noon

Women's basketball vs Leicester Jr., away, 6 p.m.

Hockey vs Clark, Webster Sq. Arena, 8:45 p.m.

PLAY: "Orestes", presented by Fenwick Theatre, Worcester Art Museum, 8 p.m., admission \$1.50 students, \$3.00 others. Runs through 2-22

Wednesday, February 18

Academic Planning Day

Thursday, February 19

Swimming vs Brandeis, away, 7 p.m.

Friday, February 20

Women's basketball vs Assumption, home, 4 p.m.

Mountain Blend Band, Pub, 8 p.m., admission 50 cents

Saturday, February 21

Indoor track EICAA meets at Tufts

Skiing at Berkshire East, Ma, 10 a.m

Swimming vs Tufts, home 2 p.m.

Fencing vs. Brandeis, home, 2 p.m.

JV Basketball vs Suffolk, home, 6 p.m.

Sunday, February 22

FILM: "Young Frankenstein", Lens & Lights, 7:30 & 10:00 p.m., admission \$1.00

Monday, February 23

Hockey vs Curry, Webster Sq. Arena, 6:20 p.m.

WPI Reading Workshop: "The Floating Opera", discussion leader, Prof. Richard Roche, Gordon Library Seminar Room, 7:30 p.m.

Tuesday, February 24

Academic Planning Day

Blood drive, through the 26th

Social Committee presents "Movie Orgy", WPIC-TV Channel 3, Weekday showings 10:00 a.m., 1:00 p.m., 4:00 p.m. & 7:00 p.m. Through 2-27

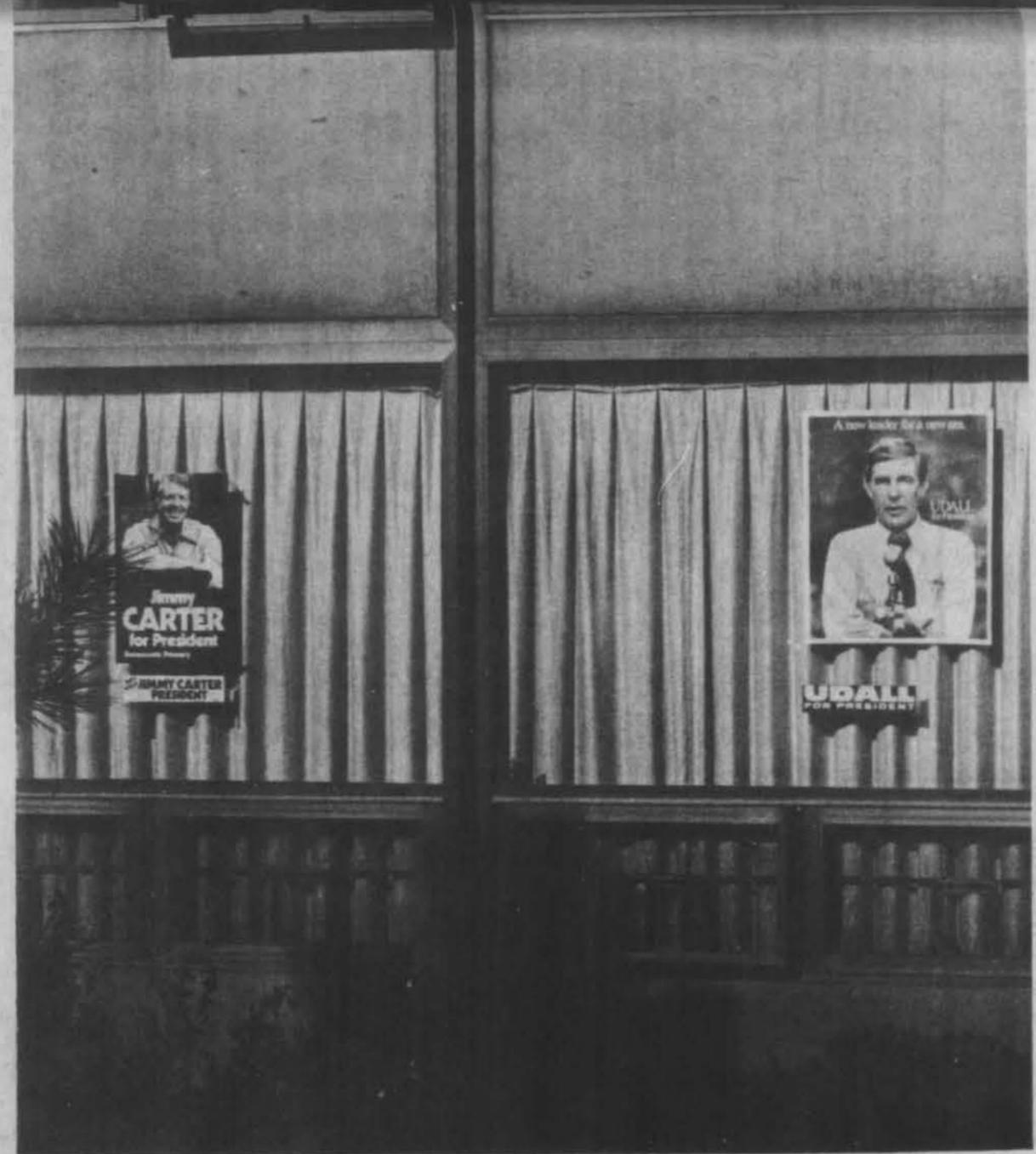


Photo by Rory O'Connor

Newspeak

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