

Human subjects committee: eyes on projects

by Philip Czapl

Any student who is working on an IQP or IQP using other persons as test subjects for his project must eventually find himself under the scrutiny of the Committee for the Protection of Human Subjects.

The Committee consists of eight faculty members and one student. Three physicians also act as outside consultants for the committee, which is chaired by Professor Thomas Shannon of the Humanities Department. The purpose of the committee is focused around two basic duties.

One duty is pure legality. The award of research grants to W.P.I. by the Department of Health, Education and Welfare carries certain stipulations. One of these stipulations is that any area of research carried on at the school must get the approval of a committee designed to protect the rights of human subjects.

The second and major duty for the committee is to assure that the rights of people used as test subjects at W.P.I. in qualifying projects or other areas are protected.

For example, if a project involved the use of questionnaires to assess facts or opinions from members of the student body, the project initiators would be required to submit information pertaining to the extent of their project research to the committee by means of a special form. This form would enable the committee to assess whether such rights as privacy and anonymity are preserved for the test subjects.

The preface to the form entitled "Guidelines and Application for Research or Project Activity Reviews," specifically outlines the type of research suspect to committee consideration: "This (the type of research) includes biological or

psychological or sociological research that is either invasive or non-invasive in nature, or uses tissues, organs, blood or other human fluids for testing or analysis. This also includes research that uses identifiable records or human beings."

The form requires that the researcher supply information on the type of testing involved, the type and use of data in the experiment, the risk factors involved, the protective measures to be used, and finally a brief abstract of the project.

An actual example of the committee's dealings may be taken from the activities of the freshman seminar course. When it was decided to do a psychological profile study of volunteers in the class as part of a study conducted by a visiting psychologist who is interested in provoking engineering students, Professor Charles Heventhal who was responsible for the implementation of the study was required to obtain the committee's approval in order to assure

that the results involved were kept confidential. (More on this story appears elsewhere in this issue).

Using the information provided by the form, the committee will take action to approve or deny the project. In many instances, the committee may make a conditional approval of the project, provided that the initiator comply with certain suggestions or revisions in the project.

The committee is currently engaged in publicizing its existence to faculty members. A set of guidelines is being drawn up for circulation. This will ensure that professors serving as advisors to students on projects are aware of the committee's rules.

If any student or faculty has questions pertaining to the Committee on the Protection of Human Subjects they may contact Professor Shannon in Salisbury 28.

Newspeak

The student newspaper of Worcester Polytechnic Institute

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After past inaction

Student government committees "reborn"

by Ken Mandile

Several WPI Student Government Committees seem to have been "reborn" after almost falling victim to inaction last year. The Internal Residence Hall Committee, Commuters, and the Committee of Concerned Students have all been active this year and have plans for the future.

Cathy Reed, Chairperson of the Internal Residence Hall Committee, said the committee will start revamping the housing policy this week. She said the committee hopes to change the date of housing lottery so students will know sooner whether they will be provided with campus housing. She also said the committee will try to get rid of the panic associated with the lottery.

Reed said she had problems getting dormitory residents to run for IRHC positions. The elections were first scheduled to A-term, but were rescheduled several times. The committee was finally elected this term.

Commuters have held five meetings this year. Tom Daniels, Commuter Re-

presentative, said that there has been some action on parking problems on Institute Road. Some commuters felt that cars parked on the north side of Institute Road posed a safety problem. WPI Campus Security and the Worcester Police Department were told about the problem. The WPD will not ticket illegally parked cars on Institute Road.

The commuters also found out about a Commuter Fund. Money from the fund was recently used for a commuter party. Another party is now being planned.

Tony Weiner, Chairman of the Committee of Concerned Students, said that he has been successful this year in getting people to do leg work. Last year Weiner suggested that the CCS be abolished, but he now feels that the committee can be effective in dealing with several issues. One project now being worked on involves student input into faculty evaluation procedures. A notice pertaining to this project appears elsewhere in this issue of *Newspeak*.

Presidential Field narrowed

The field of candidates for the presidency of WPI has been narrowed to two names, according to a release from the presidential search committee. Although names have not been released as yet, it was learned by *Newspeak* that both candidates hold high-ranking administrative positions in the engineering colleges of two major American universities.

The candidates will be on campus this Friday through Monday, with several

meetings scheduled for each with trustees, faculty and selected students. An open meeting for the student body with each candidate has been arranged. One candidate will be at a meeting Friday, December 9 from 3:30-4:30 p.m.; the other on Monday, December 12 at the same time. Both meetings will be held in the Library Seminar Room on the third floor of the Gordon Library. The meetings are open to all students.

Intersession rolls strengthen

by Philip Czapl

Following published reports in *Newspeak* of this year's low Intersession enrollment, it seems that the situation has reversed itself, reports Harriet Kay, Intersession Coordinator.

"Apparently a lot of people simply forgot to register before the deadline," said Mrs. Kay, who had initial fears that the selection of course offerings might be at fault. However, after the publicized plight of the small enrollment, people started coming in with their selection forms, and now the enrollment is up to a normal of about 60 per cent of the student body, ensuring the success of Intersession for this year.

Now that the course schedule results have been distributed, Mrs. Kay wishes to strongly emphasize to those people who are not satisfied with the courses they received, or those who still haven't registered, that *changes can still be made,*

and in many cases one can get into the courses they would like if they would stop by the Intersession Office and see her as soon as possible.

If you decide not to attend a particular course you have been registered for, please let Mrs. Kay know by stopping in at her office or simply by a phone call. Mrs. Kay feels that this is the least courtesy that non-attending students who have enrolled can give to the Intersession program, as there may be others waiting to get into a course that is already filled. A "no show" results in a tragic waste of time, resources, and effort on the part of those involved in teaching Intersession, but is something that could easily be avoided if the student would simply inform Mrs. Kay.

The Intersession Office is located on the third floor of Washburn, Room 300, and is most easily accessed by using the Freeman Plaza entrance to the building.



W1YK Hamming it up. — This past Saturday the WPI Wireless Association relocated to the Galleria to perform their unique "Message Center" operation. In the days work, hundreds of free "Hamgrams" were sent, many bestowing holiday greetings. This free service is available anytime at WPI. Contact the Radio Club.

After fire Students relocate

by John Walsh

On Sunday, November 27, twenty-three WPI students were left homeless by a fire at twenty eight Lancaster Street. The fire apparently started in a second floor apartment, which received "considerable damage" according to a Worcester Fire Department spokesman.

The residents of the apartment where the fire started filed with the Red Cross Disaster Service, however, they apparently were able to find housing and did not require aid. According to Mrs. Bishop of the Red Cross they did not leave specific addresses, however, they believe that two of the tenants, John Lenhoff and John Hannon, are in Worcester. Bob Komich is listed as having gone to Boston, and John Rice apparently went to his home in New London, New Hampshire. Five brothers of SAE lived in the other second floor apartment, which received minimal damage and which, according to Mrs. Arthur Bastille, whose husband owns the building, should be ready for the students to move back into within two weeks. Currently four of the brothers are living at SAE and the fifth, George Fredette is commuting from Fitchburg.

Four of the students: Henry Loud, Keith Backman, John Noonan, and John Catrone

have found temporary housing across the street at twenty-five Lancaster Street, but find their living quarters cramped there and hope to move back soon.

Jeff Stickles and his roommates have found housing on Lancaster Street between Institute and Highland Streets, where they plan to stay for the remainder of B term and then move back. They are still living in their apartment, as Fred Fisher said, "it smells a little, but where else do we have to go." According to Fisher they have received no assistance in relocating.

Jeremy Smith and Marty Gentry, who lived on the third floor were put up overnight at Howard Johnson's by the Red Cross, which maintains apartments for that purpose but which are filled almost constantly. Jeremy and Marty are now also living at twenty-five Lancaster Street.

Apparently the Red Cross contacted some of the students, specifically those who were at the fire, and thru them, their roommates. Others such as George Fredette were not even aware that aid was available. The aid that the Red Cross provides consists of food, clothing and temporary housing. None of the students contacted had received any assistance in finding a place to live until their apartments could be repaired.

Editorials: Looking, for the future

An issue which touches all of the WPI community is the selection of the new President of the Institute. This Friday and Monday, every student will have the chance to meet the two candidates pose questions, and make a judgement as to which of the two they feel is most suited for the job.

While the times are seemingly awkward (3:30-4:30), it is worth the time lost from other activities, including classes, to attend these meetings. Input from the student body is vital to the choice of a candidate that will be responsive to students needs and to their ideas regarding the Plan, as well as other aspects of WPI life.

We are now experiencing a time of decision at WPI: the quality and necessity of the athletic program is being seriously considered; the Plan is at an age where changes may be necessary and aspects better defined; some resignations, notably those of Robert Pritchard, athletic department head, and George Hazzard, the president, are affecting WPI to a great degree. The choice of a new president is important to implementing changes and finding directions which should be taken. The person who next fills the office must be aware of the past and have visions for the future, and those visions must be ones which will make WPI better. Such decisions and visions must be shared by the student body, for that is ultimately this institution's reason for existence: the existence of the student and their desire for knowledge.

We urge those professors with classes whose schedules conflict with these very important meetings to cancel them on those two days, to allow every student the opportunity to input into the process of selection of a new president. No one should be denied this opportunity, and everyone should make use of it. The future course of WPI does, in truth, depend on the outcome of the selection. Make your voices heard.

The Editors

As News-feature editor and more or less acting graphics editor of this paper, it is all too often my unhappy job to inform people on Sunday or Monday that we cannot place their material in that week's paper, because they have missed the deadline of Saturday noon.

This week was particularly bad in that respect. We sincerely regret that at least two articles for this edition were in Monday morning's mail, and that there was not room to include them in the paper. We ask that, in the future, all material be submitted directly to *Newspeak* at our office. We are located in the basement of Sanford Riley Hall, Room 1, Daniels side. If we are not in, please place the article under our door.

If there are any questions, please feel free to call us at 753-1411, ext. 464, 24 hours a day. If we're out, our answering machine will take your message.

Remember: Saturday noon before the Tuesday of publication. There will be no exceptions to this deadline.

Tom Daniels

Letters: Scholarship not new

To the Editor:

I was quite interested to read the piece by the Financial Aid Office that appeared in the November 22 issue of *Newspeak*. It announced a "new" scholarship opportunity for students, sponsored by the CEC of New England.

Sorry, friends, but this scholarship is anything but new to anyone outside the WPI community. The CEC has offered regional awards for a number of years, and it is my understanding that only one applicant has come from WPI in the entire history of the program. This particular applicant had no contacts with the WPI Financial Aid Office, and discovered the CEC program on his own.

The intent of the announcement is good, but the execution points to a serious failure within the financial aid program here at Tech. Strong emphasis is put on being "fair" to the students (e.g. rigorous evaluation of student financial need through endless numbers of forms), and attention drifts away from supporting good academic performance. The "fair" approach to financial aid leads to a student body consisting of black female eskimos. The performance-reward approach leads to a technically competent community. If a balance between these has been established here at Tech, it has most certainly eluded me.

1977 Recipient
CECNE Scholarship Award

Football cut protested

To the Editor:

I would like to take this opportunity to clarify some misconceptions arising from the proposal to study the football situation.

A number of people on campus seem to believe that if football is curtailed or eliminated great sums of money will be available to be spread among other sports and student activities. At several other schools where football was dropped, the athletic budget was cut accordingly with no additional money to other sports. In many cases football has returned to varsity status after a few years due to student interest.

As Soccer Coach it is assumed that I should be happy to encourage an anti-football movement. On the contrary,

Whenever part of the program is lost, the school becomes less attractive as an educational institution. Each activity is appealing to a different type of personality and a wider variety of activities means that the school will be appealing to a wider variety of students. The cost of the football program is considerably less than at most comparable institutions and the value to the participants and to the school far outweighs the expense.

Sports such as Track, Baseball and Crew would lose quite a few athletes who would not come here without football. The loss of football would be a major step backward for WPI.

Alan King
Head Soccer Coach

Are we civilized?

To the Editors:

It is rather sad to observe that many people do not really want to know the living truth for themselves nor do they do any thinking beyond the matters which lie right within the little circle of their personal interests. They prefer to rely on an intellectual and cultured few to act as brains for them. And, as long as they are provided with an abundant supply of predigested material to swallow, they are content.

As a result of the wide acceptance of the popular but erroneous evolutionary hypothesis of human descent within learned circles, it has come to be held almost as an axiom that we are naturally getting more and more enlightened with the passage of time. Thus it is not uncommon to hear folks talk glibly about living in a civilized twentieth century. However, what do they really mean by this?

If they mean that modern man has acquired a great deal of knowledge of the forces of nature and that he has successfully developed sophisticated systems ranging from little birth control capsules to titanic nuclear submarines and gigantic space rockets, I readily agree. But if they mean that man's state of moral decay has improved from what it was in antediluvian times as the result of an inevitable evolutionary development, then I am afraid we are poles apart. The sheer horror of the sort of evil things we see and read about in the newspapers everyday strongly confirms the fact that "the intent of man's heart is evil from his youth" (Genesis 8:21). This is God's accurate diagnosis of man's sin-sickness.

A proper identification of the true nature of a problem is a very important step to its solution. Indeed, in medical practice, a successful diagnosis is regarded as half the cure. Unfortunately, Adams sons and daughters exhibit an almost innate aversion to knowing the truth about themselves. There is good reason to believe that probably many of the victims of cancer might have had the growth of the demonic cells checked through the various manipulations of modern medical science if only they underwent an early medical checkup for symptoms of the terrible disease. But, alas, they would not do so for fear of finding out that the big killer had laid hold of their lives!

When it comes to the problem of man's moral leprosy, we find an exactly similar situation. Men do not want to admit that sin is really sin in their lives. They find it more appealing to pamper themselves into believing that there is something not quite

right with God's diagnosis of the spiritual disease.

The Neo-Darwinian apostles of evolutionary humanism do everything possible just to have us believe that the root source of our problems is not sin, but the notion of sin. They maintain that it might be good for nomadic Hebrew Semites living back then in Palestine to accept the Pentateuch with its many commandments and atoning sacrifices, but that we know better; that it might be alright for primitive Bereans to listen to Paul's preaching of a crucified and risen Saviour Christ, but that modern science has opened to us a new universe which has no place for Him. This in essence constitutes the mentality of the noble heathen of modern times.

But we must not fall into the error of thinking that our good humanistic friends are the only ones who worship at the altars of Scientism. We have other good friends who do so too — nay, with missionary zeal. The adherents of TM (Transcendental Meditation) rally under the banner of "Science" to propagate their particular brand of camouflaged Hindu paganism. A few weeks ago, in the Worcester Telegram and Gazette, a medical doctor boldly compared the cultic practice of TM to some of the major discoveries in medical science which have helped to wipe out some of the diseases that plague the human race. And recently, a professor for M.I.T. was here to deliver a lecture on TM as "a technology for human evolution." A major breakthrough in medical science indeed whereby deluded folks hope to ease their jaded nerves by chanting to the Hindu deities! A new technology indeed which involves the use of white handkerchiefs and split fruits in a solemn dedication to Guru Dev!

You ask, "How do so many people, including learned men, get to be so deeply involved in such absurdities?" The answer is that God specially gave man a mind to think after his thoughts in fellowship with him, but man disobediently forsook the God of truth and fell into a state in which he uses his mind for a purpose other than that for which it was designed. As a result of this, it is inevitable for him to err when he is left to himself.

But God, being a God of benevolence does not want us to continue to live in darkness. He has therefore sent his only begotten Son, the Lord Jesus Christ, to deliver us from the Satanic Kingdom of darkness. "I am the light of the world; he who follows me shall not walk in the darkness, but shall have the light of life." (John 8:12).

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Schorr speaks

CPS — Daniel Schorr is currently touring the country to promote his new book, *Clearing The Air*, in which he discusses his years with CBS and his perceptions of network broadcasting. He also covers the events which led to his dismissal and caused former CIA director Helms to refer to him as "Killer Schorr". CPS interviewed Schorr in Denver last week.

INT: Several years ago you told a University of Rochester audience — this was around the time of Watergate — that you felt the press was doing the job normally performed by the police. Would you say the same thing today?

SCHORR: If I said police function, it wasn't what I meant. What I meant was that at a time when the whole system of justice had bogged down because of the coverup, when justice wasn't functioning, when the justice department, the FBI and all the organizations that should have been exposing Watergate weren't — they were in a subterranean fashion in the sense that people in the FBI who had some info and were outraged at the way it was being sat upon would leak it out. The Watergate situation was kept alive by the press at a time when nothing was happening in the government to keep it going and nothing might ever happen. Similarly, since that time, another example has been the whole CIA investigation. There never was a CIA investigation until Sy Hersh printed a big story in the New York Times in December, 1974 about Operation Chaos, the surveillance of Americans — and oddly enough that was when President Ford found out about that — and he called in Colby and that started the Rockefeller Commission which led to the Congressional investigations and that led to the assassination investigation. Congress has known for 20 years that there are things going on inside the CIA which may have been improper, but it took the press to explode a bomb which then started Congress off. That's an essential function of the press when the other parts of our government aren't working.

INT: Do you see an analogous situation between Watergate and the KCIA investigation?

SCHORR: The KCIA investigation is a very, very special kind of thing because important though it is for the press to find out what other people won't tell them and force the government to act, it is equally important not to jump the gun and make sensational charges when you don't have the evidence. The problem with the KCIA investigation is that with Park off there in Korea, there isn't any way at getting at what's really behind it all. And it's not that the press is sitting back and not doing anything. It's "where do you go?" If the information is in our government's files, then a Sy Hersh will find someone to tell him a little something about it. But what do you do when the info isn't in the government files and they don't have it, and when they've been unable to get it, then are you going to go merely on the rather plentiful suppositions of what happened?...but all that's been published. Everything about what might have happened, the picture as it looks...here is this money, hundred dollar bills,...we now know more or less what the structure was. This guy had this rice and he forced himself into a position to be an exclusive agent for rice, took a rake, the rakeoff was then used to bribe congressmen. What is it we don't know? We don't know which congressman.

As important as it is to pin people to the wall; who should be pinned to the wall, it is equally important not to pin them before you have the evidence.

INT: CPS has been investigating the SAVAK, DINA and the KCIA. The information on covert activities by these agents in the U.S. is practically non-existent. Where can you go, or where can you look to break a story that you know is true but you cannot corroborate?

SCHORR: People think that because of big stories that have come out, that all it takes is an aggressive press to get it. For every story that comes out there are twenty that you can't get at. The resources of the government for keeping its secrets are far greater than people suppose. I don't find out more than 1/100 of what I ought to find out. And when I do it's frequently an accident. People don't have to worry about the country's secret, including a lot of things that shouldn't be. There has been too much of the Woodward-Bernstein syndrome pervading the country so people think the press is so great and so smart that all they have to do is go to work on something and they find out. There are a lot of reporters working on the Congress/KCIA

WELL WHAT SEEMS TO BE BOTHERING YOU MY BOY?

DOC MY WHITE-COLLARED ASPIRATIONS WILL NEVER BE REALIZED. I'VE DEVELOPED THE DISEASE EVERY COLLEGE STUDENT DREADS.... A TERMINAL CASE OF PUNTING!



story and working very hard on it. They just have not been breaking the story. Lots of stories just don't get broken. Sy Hersh has been working on four or five stories in the last two years that he can't get anywhere on.

INT: It's really necessary for Sy Hersh to find someone in the government to leak a document — the most famous is Deep Throat. Wouldn't S-1437, the update of S-1, dry up this kind of investigative journalism altogether?

SCHORR: I think the bill is very dangerous. They make a big point that it's not directed against the press, but the fact of the matter is that if you make leaking a crime then the person who received the leak is at least a witness to the crime. At that point you all him and say we have nothing against you, we just want to know who leaked this to you and the grand jury then has you and I saying that...I've debated Colby on this two or three times. Everytime he makes a speech and I'm there, he says 'we believe in the first amendment, we're not going to do anything to the press, we just want to keep control.' of our government officials.

But you establish this as a crime, and then you involve reporters as at least witnesses if not accomplices.

INT: As an offshoot of Woodward and Bernstein, do you think the press is getting cocky or self-righteous?

SCHORR: I don't know anyone who's getting too cocky. Reporters may be conceived as getting cocky. I have kidded, for example, Ben Bradlee. I've said to him, "Ben, you know what's happening to you, you're whole manner has changed, you've beginning to play Jason Robards."

INT: Can television, under the direction of a Paley or a Stanton, really do much raking or investigative journalism? Can they

get the story out as well as print? Or better?

SCHORR: Look, television is a means of communication. To ask whether television can do something is to ask whether a telephone can do something. Television is a means of massive communication. You can make of it what you will; you can put on it what you will. TV news can do whatever the people want it to do. They are very responsive to what people want...if they are people in large numbers. In the end, people get what they deserve. And if television has been bad, it's because people want bad television. Bad television tends to drive out good television. If you do something good and a competing station does something bad, their ratings will go up. You get a shakeup on the good station and they say 'let's get more of that.' CBS tried to keep certain standards, but ABC's success is putting enormous pressure on CBS to go down that road. I get tired of people coming and saying TV is bad. Television is an empty vessel which all it wants to do is to please you...and get you to tune in so they can sell commercials. And if you tell 'em you're going to tune in for lousy stuff, you're gonna get lousy stuff. If you tell them that you're gonna tune in for good stuff and a lot of information well presented then they'll provide it.

INT: Most television critics describe it as big business. Who actually has more say in how the news is presented, the businessmen or the consumers? Who comes first.

SCHORR: Are you asking whether sponsors influence what goes on television?

INT: That would be one part, but basically how much do consumers really effect the coverage of the news.

SCHORR: Consumers won't affect coverage of news but they will affect how

much news you get. A local station is another matter. Local stations are getting worse and worse simply because consumers want it worse and worse. Consumers want people to laugh on television and tell funny stories and call that news.

INT: Do you think that trend is going to continue?

SCHORR: Well, I don't know if it's going to continue, but if it does a lot of newspeople are going to slit their throats. On networks, it's another matter. On networks, it's not a matter of how to cover the news; generally they'll cover the news more or less. But the real basic decision isn't how the news is covered, but how time is allocated. It is whether or not, when a big event is going you are going to knock off the soap operas and cover what's really going on so people will know. The real decisions which determine the history of our country today is what television chooses to cover and not cover. It was nip and tuck on the Senate Watergate Committee, but finally when John Dean came out and it looked like it was going to be an explosive story, they finally decided to go with live coverage. If they had not, I'm convinced that Nixon would have been in office until the end of last year. Because it was through the Senate Watergate hearings that the people really came to understand what the Nixon White House was all about. If it had been in the newspapers it wouldn't have had that effect. And so while people have their eyes glued to Cronkite and Chancellor, and all that, that is not really what counts; what counts is that when big things happen, what is television going to do in allocating the time to show it and how it's going to show it.

The biggest decisions are when the news department goes to the television networks and says that there is a big, important thing going on and we'll need an hour tonight, or a half hour tomorrow to tell about it and the television network says 'get lost.' That is when the public is suffering. You can get time today everytime Carter wants a press conference; they will interrupt what they are doing and get Carter on the air. That's the president, you don't mess with the president. It is not that way on any other important issue which may arise. They wouldn't do it on the Burt Lance story — public TV did. Those are the things we have to watch. The history of this country is going to be governed by how television allocates its time. And as of now it is not allocating time to keep people informed adequately.

H Bondar

Allow me to introduce myself to the Freshman Class. My name is H, that's it—just H, and I'm running for president of your class. Now let me tell you why.

One thing that I've noticed about this place is that everyone seems to think that the only emotion a WPI student is capable of exhibiting is apathy. I've talked to a lot of students, and most of them are pretty concerned about one thing or another, and have concrete ideas on the subjects, however, when I asked them why they didn't do anything about it, the general answer is "Who cares?" Note that the phrases is "Who cares?" not "I don't care." There is a lot of concern among

students—the thing that is lacking initiative.

I think that it's about time somebody took the initiative, so I have—and I want you to support me with your ideas, your concerns, and your criticisms so that together we can turn this place's way of thinking around. After all, the Freshman Class has nowhere to go but up.

I don't want to make any catchy campaign promises. I don't want to tell you what you want—I want you to tell me what you want.

Vote for me on Thursday and get some real representation.

Thank you,
H Bondar

Ken Hogue

To the Editor:

My name is Ken Hogue and as you know, class elections will be held this Thursday. I am running for the office of Class Treasurer.

A class officer should be someone who is willing to spend time working for the class. I want to organize some fund-raising

functions. If we make some extra money, we could have such things as a free class night, a well-planned Junior Prom and other extra class functions.

I will be an active Class Treasurer. I want to make the Class of 1981 great, and I am asking for your support this Thursday.

Ken Hogue

Class of '81

The following have submitted petitions for the freshman elections (10-4 Thursday Dec. 8).

President: H. K. Bondar, Robert Reale, Lee Hevey, Robert Segarra, Arman Gorkani, and Cliff Wiener.

V. President: Elizabeth Kosciwcyk, Fred Rucker, and John Nykyforchyn.

Secretary: (Write-in)

Treasurer: Kenneth Hogue.
Class Rep: Brian Caslis, Maureen Higgins, Patty Ficaciello and Mike Sciascia.

What's a freshman really like?

Are you introverted or extroverted? Do you use sensing or intuition to interpret a situation? Do you decide your actions on the basis of thinking or feelings?

For a number of students in freshman seminar this term, the personal answers to these questions may be better defined following the results of a psychological indicator test taken voluntarily by most of the class this past week.

The test came about through the efforts of Professor Charles Heventhal of the Department of Humanities. As one of the segments of the varied seminar program, Professor Heventhal invited Dr. Mary H. McCauley, Professor of Clinical Psychology and Director of the Center of Psychological Type at the University of Florida, to come to W.P.I. and make a study of the freshman seminar students.

The study involved the administration of a questionnaire format test called the "Myers-Briggs Psychological Type Indicator" which was given to approximately 100 freshman in the class.

In short, the test hoped to enable the students to become more aware of their talents and their own personalities, permitting them to better understand themselves and each other to a better degree. The test has also allowed the school to obtain a sample profile of the "undergraduate engineering student" at W.P.I. in comparison to other institutions.

As is explained in detail by a pamphlet called *Introduction to Type* on reserve in the Gordon Library, the test is an amalgamation of C.G. Jung's theory on psychological type. This theory involves categorization and breakdown of the way people "like to perceive and the way they like to judge." Perception is classified according to two opposites, sensing and intuition. Sensing deals with "gathering facts of a situation," while intuition illustrates less obvious "meanings, relationships and possibilities." Judgement is classified according to the opposites of thinking and feeling. Thinking involves impersonal logistics, while feeling "takes into account anything that matters or is important...and decides on the basis of personal values."

Thus the test involves a sort of categorization of the test subject according to different combinations of these parameters—types of judgement: thinking or feeling and types of perception: sensing or intuition, and reports on an indication of how this ordering of a person's qualities show up in the personality traits he might exhibit such as introversion or extroversion. For example, one type of introversion is defined as INTP or Intuitive Perceptive Introverts with Thinking, described as:

"Quiet, reserved, brilliant in exams, especially in theoretical or scientific subjects. Logical to the point of hair splitting. Interested mainly in ideas, with little liking for parties or small talk. Tend to have very sharp defined interests."

One type of extraversion, ESFP or Sensing Perceptive Extraverts with Feeling may be described as:

"Outgoing, easygoing, accepting, friendly, fond of a good time. Like sports and making things. Know what's going on and join in eagerly. Find remembering facts easier than mastering theories."

The test is meant to be by no means conclusive nor meant to rigidly define him as a certain "type." Since the questionnaire was answered by the student himself, it can only reflect what he perceives himself to be in answering the questions. In this sense one would interpret the results of the test not by saying the test said I had these characteristics, but rather by saying "I said on the test's questionnaire that I was..." In any case the test is seen as most valuable in that it may make a person aware of ideas about himself that he does not consciously realize or may have never considered in the light of the way the test analyzes him. Hopefully the test is regarded as being useful in having "many implications for career and personal choices; for understanding interpersonal relationships and for educational planning."

To assess the personal reactions to the type indicator test, a few students in the class were interviewed.

One person felt that the test result was "truthful" but didn't think it would make any difference in her personal life except that it was an interesting thing to find out. Though she was described as extraverted in the test, she felt that both sides, extraversion and introversion are present in her personality. In addition, she thought that the test results may be strongly influenced just by the type of mood the person taking the test was in.

Tom Woodbury ('81) also felt that the test was a good indication of his character. However, he thought that the results of this type of testing were "A little like astrology...as it can be general enough to fit a lot of people." To him, one of the more useful parts of the test was a description pointing out the weaknesses a person of his type could have, things that might be well for him to avoid.

For the moment, the future possibilities for further testing of more freshmen, or other students remains in doubt. According to Professor Heventhal, "At the present time the college has not appropriated any additional funds to allow any more students to complete the inventory and get individualized reports."

A report summary of the Type Indicator project on the freshman seminar this term states:

"It is proposed to conduct, during the 1978 calendar year, a second phase of this study with a larger sample of WPI faculty and students, and to assemble the results for their possible usefulness in recruiting, advising, learning formats, selection of major and career planning of students and faculty."

Should the school decide to carry the project on next year, perhaps we all may soon have a better understanding of the psychology of our "type."

On Projects: WPI to get credit union

by Don Calawa

"Let's see...\$100 for Christmas presents and \$75 for this term's books. Is that all?...fine. I can let you have that at 1 per cent interest, compounded monthly."

Sounds too good to be true, doesn't it? Well this might become a common scene around WPI, if junior Andrew Davidson can materialize one of the hottest ambitions on campus as of late—a WPI credit union.

Working under the advisement of Dr. Nicholas Onorato of the Social Sciences Dept., Andy finished off an IQP on credit unions in term A this year. His studies were directed with these major aims: 1) to research credit unions and learn of their strengths and weaknesses, 2) to determine if the WPI community could benefit from a credit union, and 3) to run a survey to see if there is enough interest on campus for one to start here (remember the questionnaire at the start of school?).

He found that a credit union was both desirable and feasible at Tech. Out of 1500 questionnaires sent out to students, there was a 10 per cent return (rather good, as things go here). The returns showed students in favor of seeing a credit union organized on campus by five-to-one. Of the faculty and staff, one-third of them returned their questionnaires. The result showed the administration favoring a credit union on campus by a vote of seven-to-one.

A credit union is a non-profit organization, run like a small bank serving only a select group (in this case, faculty, students, administration, and all else involved with Tech). Although it has no provisions for checking accounts or credit cards, these drawbacks are minor compared to its major benefits. A credit union here would offer savings accounts, short-term loans at only 3/4-1 per cent interest per month, and money management services (of special concern to the fraternities and clubs which handle their money through banks and the school). Convenience would

be the key argument. Open 5 days a week in the Wedge entrance off Institute Road, students could have easy access to their money between 11 a.m. and 1 p.m. In time, it would become as common a fixture here as the bookstore or snack bar.

A firm believer of grasping golden opportunities, Andy hopes to start a credit union as soon as possible. How soon is soon, one wonders. In reply to this, he states that given a minimum of 11 people to assist in organizing the union, and at least 17 people to deposit \$5 each into accounts, the WPI chapter could open its doors within 4-6 weeks, about the start of D-term.

How safe is a credit union? The counterpoint was, how safe is a bank? A federal charter for a credit union can be obtained for twenty-five dollars. Under this charter, every deposit would be insured by the Federal Deposit Insurance Corporation (FDIC), the same institution that insures the U.S. banks. As for organization of the credit union, once the above-mentioned minimums have been met, Credit Union National Association (CUNA), a major assistor of credit unions in the U.S., has offered to guide and direct the fledgling WPI group for the first month. After that time, CUNA would serve as advisory to the credit union, suggesting through experience better ways of handling campus finances. Finally, Andy himself is no greenhorn to the business. Starting out as a teller in high school, he worked his way up until by his senior year he was president of his school credit union.

At present, an information and organizational meeting is planned for Tuesday, December 13, in Kinnicutt Hall at 4:00 p.m. *Everyone* at WPI is invited and encouraged to attend. This is an opportunity to learn more about a credit union here, as well as a chance to obtain working knowledge of a major financial institution. The project showed it could work; the survey showed it was wanted. It would be a sad footnote to WPI history to see it die because no one cared.



Prof. Charles Heventhal, Dr. Mary McCauley and Roy Astly.

Source of Myers-Briggs Type Indicator

THE INDICATED QUESTION DEALS WITH THE WAY YOU LIKE TO USE YOUR PERCEPTION. ARE YOU MORE OF A SENSING PERSON OR AN INTUITIVE PERSON? THE MOST PROBABLE ANSWER AND HOW SURE YOU ARE.

1. SENSING: YOU LIKE TO GATHER FACTS OF A SITUATION. YOU LIKE TO USE YOUR SENSES TO PERCEIVE THE REALITY OF THE SITUATION. YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS. YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS.

2. INTUITIVE: YOU LIKE TO PERCEIVE THE MEANINGS, RELATIONSHIPS AND POSSIBILITIES OF A SITUATION. YOU LIKE TO USE YOUR IMAGINATION TO PERCEIVE THE REALITY OF THE SITUATION. YOU LIKE TO USE YOUR IMAGINATION TO PERCEIVE THE REALITY OF THE SITUATION.

3. THINKING: YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS. YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS. YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS.

4. FEELING: YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS. YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS. YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS.

5. JUDGING: YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS. YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS. YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS.

6. PERCEPTIVE: YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS. YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS. YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS.

7. INTERVERT: YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS. YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS. YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS.

8. EXTROVERT: YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS. YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS. YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS.

9. SENSING PERCEPTIVE EXTROVERTS WITH FEELING: YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS. YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS. YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS.

10. INTUITIVE PERCEPTIVE INTROVERTS WITH THINKING: YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS. YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS. YOU LIKE TO USE YOUR LOGIC TO MAKE DECISIONS.

CREDIT UNION AT WPI

There will be a meeting for all WPI personnel interested in starting a credit union at WPI.

DATE: Tuesday, Dec. 13
TIME: 4:00 p.m.
PLACE: Kinnicutt Hall — Salisbury Labs

This meeting is for ALL members of the WPI community. Students, Faculty and Staff are urged to attend.

Any questions — Contact: Andy Davidson
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WPI Box 587

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IFC Meeting

Monday, December 12th
Library Seminar Room 7:30 p.m.

How to convince Mom and Dad to buy you a pre-paid Trailways ticket home

Check boxes, clip out, mail to parents.

Dear Mom and Dad,

Things are swell here at college except, of course, the food, which is so bad that I'm down to 91 lbs. living on salted water sending samples to the biology lab hoping you'll buy me a prepaid Trailways ticket home to get a decent meal.

I sure could go for some of Mom's good ol' apple pie Riz de Veau à la Financière blood transfusions Trailways tickets paid for at your local station and picked up at mine.

Dad, next time we get together, I want to tell you about my part-time job how I suddenly realized what a truly wise and magnanimous fellow you are where I left your car last New Year's Eve thanks for making this trip possible with a prepaid Trailways ticket.

I also need some advice on a personal matter my backhand where one can hire decent servants these days how to separate you from a few bucks for a prepaid Trailways ticket.

Got to sign off now and go to class to pieces drop three or four courses to the Trailways station to see if anyone sent me a prepaid ticket to get out of here for the weekend.

Love,

P.S. Just go to the Trailways station and pay for my ticket, tell them who it's for and where I am. I pick the ticket up here when I go to catch the bus.

There is a \$5 service charge for prepaid tickets. The user will be notified by the nearest Trailways terminal when the ticket is ready. Prepaid round-trip tickets are good for one year from the date of purchase. Prepaid one-way tickets are good for 60 days from the date of purchase.



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WPI never satisfied?

by Maureen Higgins

This week's Social Committee shows appear to have been dismal failures. What was to come was heralded by Ray Boston's appearance in the pub last Tuesday evening. I guess you have to be in the right mood to appreciate that kind of talent — vulgar, comical, crude, obnoxious, and yes, energetic. That is not to say that he is a terrible showman. On the contrary, the majority of the pub crowd loved him, although the quality of his music can best be described as mediocre. Ho-hum, no doubt Ray Boston will be back on campus later this year.

Friday night a respectable number of techies had the pleasure (or is it displeasure) to see Robin Lane and Luna in concert. Robin Lane held her own. Her music was good solid rock with a Caribbean Flavour. Her voice was gritty on one hand, delicate on the other. Robin Lane is well-suited for the music she performs. However, the audience didn't seem to agree. Amidchants of "Luna! Luna! Luna!" she and her band exited from the stage.

Little did the crowd know what they were in for. Luna being a typically loud, bizarre, punky, raunch and roll act out of New Jersey. The fatherland of many good musicians has its share of the bad. The lead singer was quite entertaining with his incessant cavorting about the stage. Boy, would I like to get a hold of what ever kind of speed it was that he was on! Actually, they did play the style of rock and roll that was advertised, but it was original. The crowd didn't seem to grasp the fact that they didn't play Yes, Queen, ELP, Jethro Tull, or anything else that wasn't their own. Unfortunately the lead singer started to insult and belittle the audience. Much of the crowd had left by the time their first set (maybe even their first number) was over.

The point is that no matter what is presented, this campus rejects it — jazz, blues, folk, and now, rock. I suppose computerized music would go over well there. Whatever, it seems obvious that the Social Committee will have to redouble their efforts to satiate the entertainment appetites of the WPI community.

Entertainment: Harmful music

by Philip Czapl

Have you ever considered wearing a hearing aid?—What's that you say, a hearing aid? Well, according to an IQP presentation given in Kinnicut Hall last Tuesday night, if you are accustomed to listening to high levels or rock or other loud music, YOU may be developing a hearing loss.

Entitled "Hazardous Loud Music," the program presented by Arthur B. Bainton ('79) dealt with the definition of what is "loud" music and simulations of what the world sounds like to a person with a hearing loss.

The program began with an auditory illustration of music being played at increasing levels via the P.A. system, until a point where a sound level meter monitoring the music showed indications of 115 DBA volume (DBA is a unit of sound pressure level; 130 DBA corresponds to the sound of a jet aircraft taking off at close range)

According to Mr. Bainton, music of this intensity is known to cause temporary hearing loss in humans and a rise in the threshold of hearing. Repetitive exposure to music this loud, raises the probability of developing permanent ear damage he warned, noting that he has personally taken readings in excess of 115 DBA at Harrington Concerts.

Next, a documentary film was shown as an example of what steps might be taken against loud music. The film depicted the efforts of the City of Leeds, England to stop the playing of loud rock. In 1963, the Leeds legislature put into law a license restriction on disco's or ballrooms banning peak music levels in excess of 96 DBA, thus raising the question whether controls on loud music are really necessary to protect the general public.

As the movie pointed out, the passage of this type of law raises all sorts of questions as to the validity of evidence showing the detrimental effects of loud music, the validity of the data used to determine exactly what level is safe and what is not,

how to physically control the sound level, and how to enforce the law.

One method of control shown was a sound level switch designed to cut off all power to the musicians instruments if the sound reached a peak of 96 DBA.

A great amount of controversy was raised in the film over what level to set as the legal limit. Many sound level values were discussed, however, the ultimate determination came from an industrial noise level standard. As one commentator observed, even the choice of the 96 DBA level reflected a compromise value judgement on the part of the technical advisors to the legislature.

It might be expected that the law would not be accepted by the public, and this fact was borne out. The passage of the law resulted in great opposition by disco owners and disco patrons eventually forcing the withdrawal of the law one year later.

Following the movie, an audio demonstration record was played, depicting to the normal listener what it is like to "go deaf." Interestingly, it was shown that deaf persons do not just have a deficiency in hearing low volume levels of sound, but rather a deficiency in the ability to hear particular ranges of audio frequencies. People with severe hearing losses may be only able to hear a small portion of the low frequency scale. Losing the high frequency band of one's hearing makes it very difficult to distinguish or make sense out of most words.

The final portion of the program dealt with actual live simulations of hearing losses using electronic sound processing equipment. Listening through headphones, members of the audience could experience what it is like to have a hearing impairment. The equipment illustrated the loss of high frequency sound and "recruitment," a type of hearing loss in which a person can hear only the loud peak passages of speech, producing an effect as if spoken words are heard in spurts with sound alternately becoming loud and then dying out.



Arthur B. Bainton explaining dangers of loud music.

Phil Czapl

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Titicut Follies at Worc. State

Arts, Etc. will present Frederick Wiseman's controversial film, TITICUT FOLLIES on Thursday, December 8 at 7:30 p.m. in the Worcester State College Administration Building Theatre. This Wiseman film focuses on the conditions of a mental institution, realistically and honestly. According to Harvey Cox of the Harvard Divinity School, "TITICUT FOLLIES" is a documentary. It is shocking, terrifying, harsh and one of the greatest films I have ever seen."

dertow of irrational noise that any doctor who has worked under such circumstances can only take for so long. But much more significantly, we see the 'professionals', the doctors and workers who hold the fort in the Bridgewater of this nation, and they are all over.....TITICUT FOLLIES is a brilliant work of art."

Wiseman's TITICUT FOLLIES was judged Best Film at the Mannheim International Filmweek, 1967, and Best Film Dealing with the Human Condition at the Festival Dei Popli (Florence), 1967.

Admission is \$.50 for this film, but due to the content of the film, viewers will be carefully screened at the door. By order of the Supreme Judicial Court of Massachusetts, TITICUT FOLLIES may be shown only to legislators, judges, lawyers, sociologists, social workers, doctors, psychiatrists, students in these or related fields, and organizations dealing with the social problems of custodial care and mental infirmity. So if you are planning to attend TITICUT FOLLIES, you will be asked to sign a statement before admission.

And according to Robert Coles of the New Republic, "After a showing of TITICUT FOLLIES the mind does not dwell on the hospital's ancient and even laughable physical plant, or its pitiable social atmosphere. What sticks, what really hurts is the sight of human life made cheap and betrayed. We see men needlessly stripped bare, insulted, herded about callously, mocked, taunted. We see them ignored or locked interminably in cells. We hear the craziness in the air, the sudden outbursts, the quieter but stronger un-

WPI Glee Club and Regis College Glee Club present a Christmas Concert

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Sunday, Dec. 11 8:00 p.m.

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The Worcester Student Chapter of the Association for Computing Machinery will be holding a programming contest on Sunday, December 11. Watch for details!

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CALL AND ASK ABOUT WEEKLY SPECIALS!!

During the period that began December first and ends April thirtieth, parking on the following streets is prohibited between the hours of 2 a.m. and 6 a.m.: Harvard St., High St., Highland St., Holden St., Institute Rd. Parking on these streets is also prohibited when snow or ice accumulate to two or more inches, until it has been cleared to within twelve inches of the curb.

WCUW 91.3 FM LOBE LIGHTS

Program highlights for the week of Dec. 12-Dec. 14.
 Wed., Dec. 14 — 8:00 p.m. — Thurs., Dec. 15 — 11:00 a.m.
RAPS AND RHETORIC: "Toward 1984: What's Ahead for America" — Clark professors speculate on the impact of the economics of the eighties on the distribution of resources, the preservation of the environment and the protection of human rights.
 Wed., Dec. 14 — 11:00 p.m.
NOVA EXPRESS: "Bleeding Stones" — Rick O'Connor reads a highly unusual short story by Harlan Ellison.
 Fri., Dec. 16 — 8:00 a.m.
DOES IT MATTER IN OKLAHOMA?: "The Investigator" — A 1954 satire of Joe McCarthy's "red-baiting" written by top-notch radio and TV writer, Rueben Ship.
 Sat., Dec. 17 — 7:30 p.m.
SATURDAY NIGHT CONCERT: "Betty Carter" — Betty Carter, the most contemporary of standard jazz vocalists recorded this exciting concert in Sept., 1977.

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Texts announced

The following list indicates ALL information available to the WPI Bookstore as of this date in regard to Intersession Texts:

A834 — Cotton: Chemical Appls of Group Theory	\$20.50Ⓞ
A 835 — Ices Strudl II; Available at Bkstr.	
Ices Cogo; Available at Bkstr.	
A 838 — Degarmo: Engineering Economy	16.25Ⓞ
A 841 — Chlorination of Wastewater	8.00ⓄⓄ
A 871 — Rabinowicz: Intro Experimentation	5.95Ⓞ
AA 838 — Johnson: Rapid Practical Des. Active Filters	19.00Ⓞ
B 837 — Text Available Thru Dr. A. F. Chalabi	
B 848 — All About Telescopes	6.50ⓄⓄ
B 854 — Way of All Women; few copies available at Bkstr.	
Knowing Women, few copies available at Bkstr.	
B 857 — Love and Will; few copies available at Bkstr.	
B 862 — Modern Leather Design	12.50ⓄⓄ
C 840 — Wind Forces on Bridges & Structures; an intro.	17.50Ⓞ
C 842 — Art of Readable Writing	8.95Ⓞ
C 872 — The Game Of Go	3.75ⓄⓄ
CC 832 — Inquire at bookstore regarding this course	
ABC 826 — The Organ	15.00Ⓞ

NOTE: Intersession texts must be individually ordered at the bookstore on all items marked Ⓞ and must be ordered directly from the publisher on items marked ⓄⓄ with full prepayment. The bookstore has names and addresses available for those students wishing to place orders. We suggest that all Intersession orders be placed early to assure receipt in time for classes. A \$2.00 deposit required on all Intersession texts orders thru bookstore.

Research possibilities

The National Research Council is pleased to announce the NRC Research Associateship Programs for 1978. These programs provide opportunities for postdoctoral research in many fields of ATMOSPHERIC & EARTH SCIENCES—CHEMISTRY—ENGINEERING—ENVIRONMENTAL SCIENCES—LIFE SCIENCES—MATHEMATICS—PHYSICS—and SPACE SCIENCES.

Appointments are awarded on a competitive basis to recent recipients of the doctorate and in some programs to senior investigators. Certain programs are open to non-U.S. nationals as well as to U.S.

citizens. Stipends (subject to income tax) will begin at \$17,000 a year. Grants will be provided for family relocation and for professional travel during tenure.

Postmark deadline for applications is January 15, 1978. Awards will be announced in April.

The NRC administers the Research Associateship Programs in cooperation with selected federal research organizations which have laboratories at about 65 geographic locations in the United States. Approximately 250 new awards will be made in 1978.

Some 24 booklets describe in detail research areas in each of these programs. Prospective applicants may be encouraged to request application forms and information from the Associateship Office, JH 606-P, National Research Council, 2101 Constitution Avenue, N.W., Washington, D.C. 20418.

There will be an organizational and informative meeting of the Class of '79 this Thursday, Dec. 8 in Kinnicutt Hall (unless posted for elsewhere!). Main subject matter: mixer C-Term. I'll be there, hope you will too.

Scott Booth, V.P.

Cash for cans

AUBURN, Mass. — Running short of money for those last minute Christmas gifts? The Reynolds Aluminum Recycling Company will pay 17 cents a pound, cash on the spot for clean household aluminum as well as aluminum beverage cans. Recycling may provide area residents with just the opportunity they need to earn extra money for their holiday giving.

Simply take the aluminum to the Reynolds mobile recycling unit at: Auburn Mall, by Sears, Tuesday, December 13 & 27 from 2 p.m. to 3 p.m.

Reynolds requests that aluminum beverage cans be separated from all other aluminum items.

The men and women at Reynolds want to extend Season's Greetings to area aluminum recyclers who have made 1977 a great year in which we all helped save a valuable natural resource and energy.

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WPI to be lit

The holiday season at WPI has been rather dreary in the past. This year, with classes ending a mere two days before Christmas, things will seem gloomier than ever. Well worry not! The First Annual Lighting of the Campus for the yule times will take place on December 9, 1977 at dusk (4:30 p.m.). The location of this event will be at the Wedge, where Mrs. Hazzard will be on hand to "throw the switch". Also, the Brass Choir has been invited to play carols for the WPI community.

This event, sponsored by SWE, should be a most festive one. To keep this an

annual occasion, your contributions are needed. SWE representatives will be in the Wedge all day on Monday, December 5 and Tuesday, December 6 to collect 50c contributions. Fraternities, dormitory students, off-campus students, and other campus affiliates are all asked to help out. The money collected will be placed in the Christmas Light Fund, and will be used for the purchase of lights and replacements.

At 50c a person, for a more colorful campus, who can go wrong? Let's make this an annual event. See you on December 9th at dusk

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ALTEC LANSING DESIGN 10 SPEAKER \$65 each
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SPORTS



Curt Ross trying to pin Bill Herbert.

Barry Aronson

Grapplers strangle B.C.

by Barry Aronson

Last Thursday the WPI wrestling team beat Boston by a score of 33-6. The match was the season opener for both schools and was a fine start for Tech's young team. Phil Grebinar, WPI's coach, knew he had a good squad, but did not know how much losing three senior starters would hurt the team. The fact that three freshmen and three sophomores filled the ten man line-up did not seem to affect the team in anything but a positive way.

The first match (118 lbs.) was between Jae-Yong Ko, a freshman at WPI, and B.C.'s Ken Trocail. Ko was in complete command throughout the first period. The second period did not last long as Ko pinned the out-classed Trocail at 2:48.

WPI's other two freshmen were also successful in their matches. Kurt Ross, wrestling at 177 lbs., scored a 6-0 decision over B.C.'s Bill Herbert. Ross just missed pinning Herbert in the second period. The

other freshman victory went to Marshall Housekeeper, who won on a default.

After Ko's pin the Grapplers continued to march over their opponents. Dave Wilson blanked Ralph Serrio 10-0. Serrio frustrated Wilson's attempts to pin him by stalling often. Tony Masullo went 6-3 against Mike Mathews and Mike Beaudion went 21-9 for a big victory over George Geyer. The action on the mat did not slow down until Duanne Delfosse's 3-1 victory over Jeff O'Hara, B.C.'s 158 pounder.

The meet score was 21-0 when John Contestable, Tech's 158 pounder, stepped onto the mat. People were beginning to think "shut-out", but such was not to be the case. Contestable found himself in a tight scrap with B.C.'s Jeff O'Hara and came out on the short end of a 6-4 score.

Tech came right back with a win by John Cozzens in the 167 lbs. class. Cozzens' opponent, Brian Kelly, found himself 3-0 going into the third period and then pulled within one point for a respectable 3-2 loss.

Tech's other loss was in the 190 lbs. weight class. Jeff Bouyea tied B.C.'s Mike Shuttleworth 5-5, but suffered a loss because Shuttleworth had one point for riding time.

Despite the lopsided score Boston College put up a strong fight against the confident Tech team. Coach Grebinar, as equally confident as his team, said, "It looks very good for our next match." Tech will wrestle Trinity in an away match December 7. The next match to be held at WPI will be Saturday, December 10 and will start at 2:00 p.m.

Alumni Gym was cramped and noisy throughout the entire match. The enthusiastic crowd wanted to see the start of a repeat of last year's 14-2 dual meet record, they probably won't be disappointed.



Coach Grebinar comments on wrestling action.

Julio Salinas, a doctoral candidate at the Massachusetts Institute of Technology, will speak about "Malnutrition and the Vertebrate Brain" at Holy Cross College on Monday, Dec. 5 at 2:30 p.m. in O'Neil Hall.

The talk is sponsored by the Holy Cross Biology Society and the Hunger Action Coalition.

Refreshments will be served following the presentation. The event is open to the public.

On Thursday, Dec. 8, the Biology Society will sponsor the showing of two films in the O'Neil Hall main lecture room (117) at 1:30 p.m. The American Cancer Society films to be shown are "The Embattled Cell" and "From One's Cell."

Roundballers lose 61-60

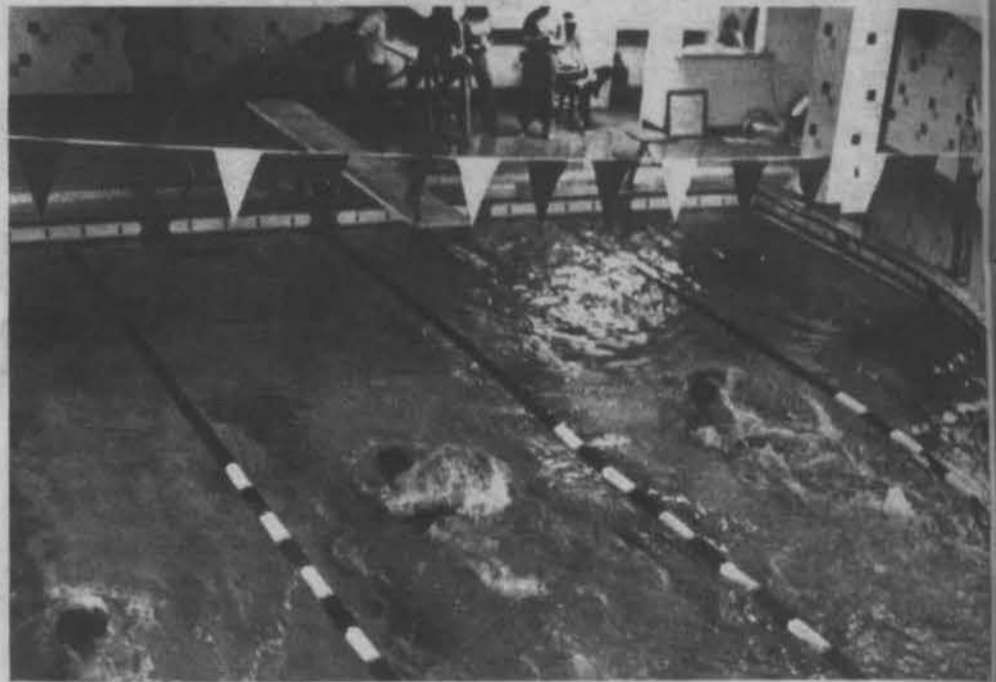
Suffolk University dropped WPI, 61-60, last Saturday night in Harrington Auditorium. The close game was played right to the wire with Pat Ryan getting the go ahead point for the Rams, now 3-0, on a free throw with 11 seconds remaining in the game.

Tech, who is now 0-3, led at the half by 34-33. The lead changed back and forth throughout the second half. The Engineers had to work hard against Suffolk's full court press zone defense to hit 50 per cent (29 out of 58) of their shots from the floor.

With 1:10 left in the game, Steve Forlizzi was fouled by Tech's Kevin Doherty and then made both shots of a one and one situation, putting Suffolk ahead 60-58.

Tech got the ball back and John Broderson tied the game at 60-60 with 0:29 left. Pat Ryan, who had plagued Tech all night and racked up 22 points, was fouled while going to the hoop. He made only one of his two shots, but that was all that was needed. The foul, committed by Jim Kelleher, was mandatory since Ryan was within inches of making an easy shot.

Tech regained control of the ball with eight seconds left in the game and were then stalled by mid-court fouls that Suffolk could waste (there were very few fouls committed in the game). The ball got away from Jim Broderson on inbounds play, washing away the chance for a last second Tech victory. The turnover was Tech's 24th.



ATTENTION JUNIORS

Those interested in using the placement office to aid in search for a summer job, your resume should be written in January. Information is available from OGCP and Seniors.

Please use the standard format. Resumes will be kept in OGCP.

Watch NEWSPEAK and the wheel for companies coming in February and March.

ATTENTION SOPHOMORES & JUNIORS

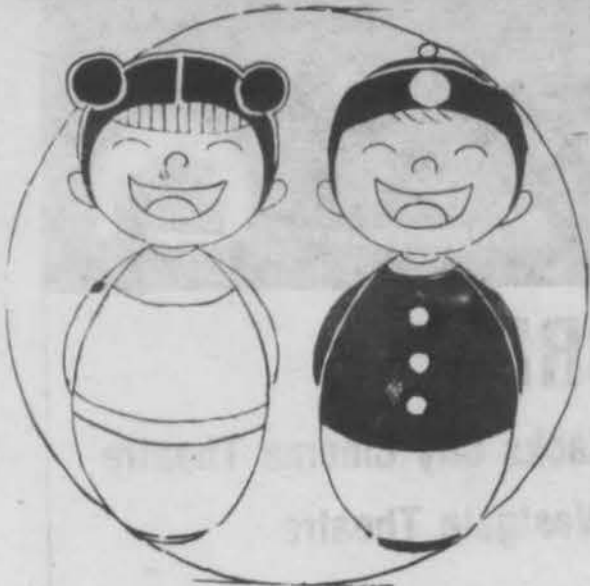
Undergraduate Employment Placement Program has opportunities available for full-time paid career-related jobs with industrial and governmental employers for period January to September 1978 (Terms C & D plus summer) - in most engineering and computer science disciplines. Excellent chance to get practical experience in career-field.

Contact:

F.C. Benner, Director
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Olin 301, Ext. 549

WANT A JOB FOR INTERSESSION?

See Harriet Kay in the Intercession Office, Washburn 300, Ext. 591, 9:00-2:00. There are openings for one full-time person and 2-3 part-time people.



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Intramural Basketball

The 1977-78 Intramural Basketball League began play last week with a record 45 teams participating in five divisions. Results of last week's games follow:

TEAMS	LEADING SCORERS
SPE (A) KAP'S KRAP	62 16 Cox (14), Gifford (14), Ford (12)
FIJI (A) NARRAGANSETT	56 28 Frascotti (12), Neece (10) Pelissier (10)
KAP (A) SPE (C)	53 9 DiMuzio (12), Orcutt (9)
SAE (A) SPE (B)	46 16 Masse (8), Kelly (8), Kurdziel (7)
KAP (D) LCA (A)	17 67 Rowden (30), Neville (10), McClain (19)
ATO (A) SAE (C)	51 2 Carrolo (13), Payne (12), Hindle (10)
PSK SAE (B)	37 11 Gantick (14), Darcy (10)
KAP (C) OTHG	14 40 Mac (14)
TKE TROW	20 70 Tenaglia (18), McCall (14), Bousquet (13)
IYF TBLG	83 24 Fitzgerald (31), O'Connor (13), Superson (12) Losapio (12)

Foosball!

When else but the Finals of the Football Tournament held in conjunction with the Marathon Basketball weekend. The Finals were just the same as most of the matches throughout the day. The Finalists were Elijah Flakes and George Archambout against Craig Luce and Tom Monroe, both

of Phi Sig. Down two games to one and losing 4 to 1 in the fourth game Flakes and Archambout came back to win 5-4 and then won the next and final game 5-4 on the "Big Foos", winning three games to two. Phi Sig won the team title with FiJi second and Sigma Pi third.

1. Elijah Flakes-George Archambout Phi Sig
2. Tom Monroe-Craig Luce Phi Sig
3. Tad Jer-Amrouni Independant
4. Bartley-Bonci Sigma Pi
5. Lawrence-Dunn FiJi

The tournament went well with excellent competition throughout. There was a total of 58 teams without many problems. Thanks to all who helped and there's a

chance of another tournament D-Term. Now that we saw the problems of running a Foos Tournament, maybe we can get them out for next year.

Foreign students who are planning to leave the country over term break are reminded not to wait until the last minute to request the necessary forms from the office of Student Affairs.

The Goat's Head Pub is accepting applications for a few positions to start in the near future. Applications are available in the Pub after 4. See the manager for information.

WHAT'S AN NSA CAREER?

It's different things to different people.

Of course, all employees at the National Security Agency have certain things in common: they are civilian employees of the Department of Defense; they are engaged in technical projects vital to our nation's communications security or a foreign intelligence production mission; and they all enjoy the benefits that accompany Federal employment. However, the differences between our career opportunities are just as interesting as their similarities. For example...

TO THE ELECTRONIC ENGINEER (BS/MS): An NSA career means delving into unique projects which can span every phase of the R&D cycle. An engineer may design, develop, test and manage contracts on communications, recording, and information storage devices and systems whose capacities and speeds are still considered futuristic in most quarters.

TO THE COMPUTER SCIENTIST (BS/MS): It means applying his or her knowledge in a wide range of sub-disciplines such as systems design, systems programming, operating systems, computer applications analysis, and retrieval systems.

TO THE MATHEMATICIAN (MS): A career means defining, formulating, and solving complex communications-related problems. Statistical mathematics, matrix algebra and combinatorial analysis are just a few of the tools applied by the NSA mathematician.

Interested in learning more about the difference in an NSA career? Schedule an interview with us through your Student Placement Office today. If we do not recruit on your campus, send a resume to the address given below.

U.S. citizenship is required.



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What's Happening?

Tuesday, December 6th

CHEMICAL ENGINEERING COLLOQUIUM, "Chemical Engineering and Pharmacology — Modeling Drug Effects in the Body," Dr. Kerineth B. Bischoff, U. Delaware; Goddard 217—227; 4:15 p.m. (coffee 4 p.m.).
MECHANICAL ENGINEERING COLLOQUIUM, "Hydrogen Embrittlement of Metals," Prof. McIntyre R. Louthan, VPI; Higgins 109, 4:30 p.m. (coffee 4 p.m.).
CINEMATECH FILM, "The Proud Valley," Kinnicutt Hall, 7:30 p.m.

Wednesday, December 7th

CIVIL ENGINEERING COLLOQUIUM, Tuned-Mass Dampers for Tall Buildings," Robert J. McNamara, Gillum-Calao, consulting structural engineers; Kaven 116, 4:15 p.m. (coffee 3:45 p.m.).
VARSITY BASKETBALL vs. Bowdoin (home), 7:30 p.m.
DANCE NITE in the Pub, 8 p.m.
PHYSICS DEPARTMENT COLLOQUIUM, Dr. Lee Estes, Electrical Engineering Department, Southeastern Massachusetts University, "Numerical and Optical Simulations of Underwater Sound Propagation". 4:15 p.m. in Olin Hall, Room 107. Refreshments at 4:00 p.m. in Room 118.
MOTETS AND MADRIGALS — RENAISSANCE TO CONTEMPORARY performed by the Clark University Chorus and Chamber Chorus, Little Center for the Performing Arts, Clark, 8:15 p.m.

Thursday, December 8th

COFFEEHOUSE (to be announced), Wedge, 9 p.m.
COMPUTER SCIENCE COLLOQUIUM, "Graph Theoretic and Combinatorial Algorithms," Patricia Eberlein, SUNY at Buffalo; Higgins 109, 3 p.m. (coffee 2:30 p.m.).
WOMAN'S BASKETBALL vs. Western New England (home), 7 p.m.
SWIMMING vs. Boston College (home), 7:30 p.m.
DPMA speaker: "The computer in support of industry at Norton Company." Dick Kennedy, WPI alumnus and Director of Computer Systems and Services at Norton. 7 p.m., Stratton Hall, No. 202.
"ALTERNATIVE LIFESTYLES IN NEW ENGLAND", presented by Mr. Edward Pachico, The Coalition for Alternative Agriculture and Self-Sufficiency, U. Mass.; Hogan Center, Room 433, Holy Cross, 7:30 p.m.

Friday, December 9th

CHRISTMAS TREE LIGHTING CEREMONY, outside the Wedge, 4:30 p.m.
FENCING vs. Rhode Island College (home), 7 p.m.

Saturday, December 10th

FENCING vs. U. Conn. (home), 1 p.m.
WRESTLING vs. Bowdoin (home), 2 p.m.
WOMAN'S BASKETBALL vs. U. Mass. (home), 6 p.m.
BASKETBALL vs. Bates (home), 8 p.m.
ANNUAL ROTC MILITARY BALL, Alden Hall, 8 p.m.
PUB ENTERTAINMENT, "Rizz", 8:45 p.m.

Sunday, December 11th

CONSORTIUM STRING CONCERT, Kinnicutt Hall, 7:30 p.m.
LENS & LIGHTS MOVIE, "Silent Movie," Alden Hall, 7 & 9:30 p.m. (Adm. \$1).
GLEE CLUB CONCERT, with Regis College, Mechanics Hall, 8 p.m.

Monday, December 12th

HUMANITIES FILM, "All the King's Men," Kinnicutt Hall, 7:30 p.m.
SPECTRUM, "The First Boston Brass Quintet," Alden Hall, 8 p.m. (Workshop at 4 p.m.).

Tuesday, December 13th

POETRY READING, Galway Kinnell, consortium poet-in-residence; Seminar Room, 9 a.m. and 3 p.m. (all faculty, staff, students invited).
CINEMATECH FILM, "Not a Pretty Picture", Kinnicutt Hall, 7:30 p.m. (Director Martha Coolidge will speak following the film).



WPI Newspeak

Volume 5, Number 26

Tuesday, December 6, 1977