Inside: "Is there an intelligent life living on campus?"

At least the women are good

If "Ignorance is bliss", what are we doing here?

Volume 113, Number 8
Illinois Institute of Technology

October 11, 1982

Packing lot and HUB cafeteria delays explained

By Jim Sate

The recent construction projects on campus, namely the Hermann Hall cafeteria and the State Street parking lot, have certainly caused a lot of inconveniences and aggravations this semester. Both projects were planned well in advance and were started soon after last year's commencement; however, both were still quite incomplete when this semester began. In recent interviews with Dohn H. Mehlenbacher, Director of Physical Resources, and Robert Jarrell, Business Manager, some of the reasons for the inconveniences were exposed, even though both were hesitant to point the finger of blame at anyone in particular.

Although the HUB cafeteria only recently opened, it had been in the planning stages for nearly two years. In 1980, the first rough plans were drawn up. Possible ideas for the new facility were discussed among the architects, the administration, and a student committee which was specifically formed to give input on the subject. Alex Janow Inc., a respected firm which designed the Mayo Clinic and the Northwestern University University cafeterias, drew up the final plans in 1981. It was however, too late to act; the half million dollar project in the summer of '81, so the construction was put on hold until the summer of '82.

After commencement ceremonies last spring, construction finally started. As workers began remodeling the cafeteria, a major problem was uncovered. The twenty-year-old architectural drawings of Hermann Hall were incorrect. Workers who cut into the walls found, to their surprise, that the air ducts were in the wrong place. The major Tube to the thermostats, also in the wrong place, was cut, causing more delays and problems. As a result of the incorrect old drawings, much of the new construction work on campus was "only seemed delayed," says cafeteria machinery that had already been ordered had to be "customized" in order to fit in the space. This reshaping of the machinery, which involved cutting off several inches here and there, added extra time from the already tight schedule.

Had this problems not been enough, another one came up. The ceiling was found to be lower than it should have been, so the screen door had to be reordered altogether. The ceiling is the only thing which drops down from the ceiling, had unfortunately been ordered to the specifications of those "desiring" old plans.

EE Chairman Interviewed

By Hasan Merchant and Prabul Zapata

Enrollment at IIT for 1982 is about 7000 part-time and full time students (This has an FFT-Full time equivalent of 5000 students). The Electrical Engineering Department has the largest enrollment of 900 (FTT) at IIT. It boasts of approximately 3500 EE graduates of which about 400 hold presidential status or ten positions in various companies.

What accounts for the EE department's high enrollment? In order to answer this question, we interviewed the new chairman of the Electrical Engineering Dept., Dr. Shi-Kou Chang. Dr. Chang was appointed chairman on February this year, and is already very much in tune with the needs of the department.

DOSL/ATS leadership workshop held in HUB

By Mark Lower

The annual DOSL/ATS sponsored Leadership Workshop held on Oct. 2nd from 9 to 4 p.m. in the HUB. The purpose of the conference/workshop was to inform and educate IIT's student leaders. Four different seminars were given on the basic techniques and methods necessary for a student organization to be successful.

An Organizational Dynamics workshop was conducted by Dean of Student Life James vice, Assistant HUB Director Bob Kuhns, and Union Board President Stephen Angel. The well-prepared seminar included in-depth discussions and handouts on vital organizational subjects such as goal setting, brainstorming, committee functions, recruiting members, and evaluation techniques.

A second workshop, conducted by Wallace Goode HUB Director of Programming, Ron Coleman IIT Director of Media Relations, and Robert Artt, Editor of Technology News, covered the publicity and public relations aspects vital to an organization's success. Students learned how to create excitement around their events, select and apply, posters, fliers, and handouts, and how to use the school newspaper correctly and to its fullest extent.

A Dynamics of Leadership workshop, focusing on successful behavioral and leadership styles, was conducted expertly by Dr. Terry Shapiro, Assistant Director of the Counseling Center at IIT. Essential psychological characteristics of the student leader were discussed and those attending participated in several role-playing activities designed to give experience in applying these techniques to real-life situations.

A fourth seminar, given by Assistant Dean of Student Life Janice Dawson and Robert Morgan, disseminated information vital to the secretaries and treasurers of student organizations. Topics such as the IIT accounting procedures, fundraising tips, budget preparation, and the importance of managing and recording a meeting's activities were discussed.

Special thanks must be expressed to all those who planned the conference and to those students who attended Continued on page 4

Fire set in IIT tunnel

By Ron Huddleston

There was a fire last Friday, Oct. 8, in the tunnel between Engineering and Science and Stuart buildings.

The fire was reported to the Campus Police at 11:08 a.m. when someone in 116 LS spotted smoke rising from the vents outside the office windows.

Three Chicago Fire Department trucks arrived at 12:06 (six minutes after the Campus Police and quickly extinguished the small conflagration.

Within the remains of the fire were found melted plastic, metal welding rod, sections of charred cardboard box, insulation (the type found around pipes), and the bottom of a yellow plastic bucket; the rest having melted away. It's believed the cardboard, welding rod, and insulation were inside the bucket when the blaze was set. An aerosol can found five feet away from the fire, leading the Police at first to believe the fire and the aerosol can were intended to be a makeshift bomb. This theory was quickly discounted, however, when they realized the fire couldn't conceivably make the aerosol can hot enough to explode, since it was not close enough. Continued on page 9

Dr. Shi-Kou Chang, the new EE Dept. Chairman

Dr. Chang has been the Professor and Director of the Department of Information Engineering at the University Continued on page 4
WHAT IS BOB’S NEWSSTAND?

It’s newspapers from all of America’s great cities. It’s 3,000 different periodicals imported from everywhere—all over the world—just for you. Fashion, art, technology, sports, news, comedy! It’s a decided political viewpoint: Arab magazines next to Israeli magazines; French next to English. Left, right, center, whatever—all in one frenzy of pictures, print and ideas to please your interest and perhaps broaden your perceptions. Is Bob’s political? We believe in a free press.

Bob’s is greeting cards—3,000 different, unconventional cards. Blank note cards from around the world with illustrations of incredible beauty, embossed cards, Jewish cards, Afro-American cards, handmade Chinese cards. We have 100 different ways to say “I love you” at Bob’s.

Bob’s is maps of all the states and 80 of its cities. It’s candy, colorful buttons and rock T-shirts. Bob’s is posters, paperbacks and postcards!

What is Bob’s? Bob’s is a wonderful way to express yourself and keep up with a world of news and ideas.

Bob’s is convenient! Open till midnight 7 days a week!

HYDE PARK 5100 S. Lake Park 694-5100
LINCOLN PARK 2810 N. Clark 883-1123
ROGERS PARK 6360 N. Broadway 743-1444

We bring the whole world...to You

Original Pancake House

243 East 31st Street

Open from 7am to 8pm
Monday through Saturday
7am to 6pm Sunday
announcements
Meet women leaders
The IIT community is cordially invited to attend a reception on
October 12, 1982 at 12:30 on the HUB Mezzanine, Rooms 301-302
in recognition of our women student leaders on campus. We would like
you to meet them personally and to learn about their contributions to
student life here at IIT. I hope you will view this as a positive venture
for our women students and for the women at IIT. Please call the DOL
office at X380 to register your interest to attend this event. Thank you.

Evolution or creation
The "Creationism-Creation" controversy in the courts and
regional school boards has continued through the efforts of the Faculty-Student
Forum - Technology, Society and Values, Tuesday, October 12, Noon
HUB. Further evaluation of the legal and educational issues will make
up the program. All welcome.

I.E.E.E. AND C.S.
I.E.E.E. is presenting a speech on Medical Computing by Connie
Kelley of Hewlett-Packard. It will be held on Tues., Oct. 12, 12:30 at
F04SB. All are invited.

Teletype tour
The Society of Physics Students is sponsoring a tour of Teletype
Corporation in Skokie, Illinois. On Thursday, October 14, we will visit
the ship design and software engineering laboratories, as well as
production, processing, and manufacturing facilities at Teletype. We
will leave from IIT at 9 a.m., and should be back by 1 p.m. Please sign
up for the tour in the Physics Department Office, 203 Siegel Hall,
before October 12.

Free film
Master Films feature for Wednesday, October 13 is "Edgar Allen
 Poe Stories". McCormick Residence Hall Lounge, 9:30 P.M. Free Admission.

Joint presentation
The IIT physics and MAAE departments will present a joint
Colloquium titled, "Synchrotron-Structural, Material, and Magnetic"
Thursday, October 14, 2:15-3 p.m. in the Engineering 1 building.
This lecture will be held on Wednesday, Oct. 13, in the Engineering 1 building.
Thursday, October 14, 2:15-3 p.m. in the Engineering 1 building.
Free admission.

Ooh la la
Let's talk tuxes is a "Great for Success" Fashion Show with five models.
Find out how to organize your business wardrobe. Find out how to dress for interviewing during these troubled times!
The presentation will be held Thursday, October 14 at 12:30 p.m. in the
HUB Room 302. Sponsored by the Placement Dept.

Art show
Art Show at the HUB October 14-Beautiful. Meticulously made Barbies for display and sale (cash only).
If you are looking for quality and splendor and also for a good price.
Be there. From 9AM-9PM. For more information contact Joseph
Roberts. Room 410. Phone 842-945.

Financial ass.
Lebanese and Palestinian students may apply for emergency
financial assistance from the Islamic Learning Foundation of America,
a non-profit charitable organization. For more information and
application forms, come to the International Office, Room 110, Ferr Hall.

Tax planning
Are Federal and State taxes shrinking your paycheck? How does
the recently passed 1982 tax act affect you? Fight back by attending the
1982 Tax Planning Seminar presented by Mr. Philip J. Grove of the
Stuart School of Business Administration. The seminar will be held on
November 9, 1982 at 11:00 a.m. - 12:15 p.m. Fee: $2.00 to:
S.R. Lourie, Ferr Hall.
Sponsored by the Office of Human Resources. To pre-register call
Malcolm Lea at X3221.

CAN'T DO 1982 TAX PLANNING IN 1983?

Acid
"Acid Rain: Chemistry, Occurrence and Environmental Impact" will be
the topic of a science lecture at Triton College Oct. 13 at 7 p.m.
Dr. Michael Seymour, an assistant professor of chemistry at Hope
College in Holland, Michigan, will present the lecture. He is currently
conducting a research program on acid rain in western Michigan.
He will be in the Library Arts Building at Triton, 2000 Fifth Ave., River Grove. The lecture is free and open to the public.

Chat 'n chew
To Commenters! Don't miss the next Chat 'n Chew program on
Thursday, Oct. 14, at noon in the HUB Mezzanine. The event is put on
by the IIT监事会. To participate: sign up with Mrs. Crowder in the DOL office. The Drums will be pleased to meet you. so sign up today.

One-on-one tutors
Student Counseling Services is presently offering one-on-one
tutors in many courses. The administration is located in Fair Hall. If
you are a freshman and need help with your courses or have received
a deficiency letter, please stop in and talk to your freshman advisor so
that they can refer you to the type of services that would be most
general to you.
If you are an upperclassman and need tutoring you might try ETC as
they offer "free tutors" and "computer assisted tutoring" or Tau Beta
Pi, in the Life Sciences Building. As the tutoring in the Resource Center is geared primarily to Freshmen and Sophomores.

Law students
Notice to all prospective law students! If you are looking for a law
school, do not choose blindly. Representatives from over seventy law
schools throughout the country will be available to answer your questions at the 1982 Law School Career, to be held at the Norris
Center of Northwestern University, 1999 Sheridan Road in Evanston.
The date will be Friday, October 22, the time from 11 AM to 3 PM.
Free admission will be available at the Norris University Center Parking
Lot adjacent to the Center; or take the CTA elevated to Davis Street in
Evanston. For further information contact Helen Palmer, Guidance
and Counseling office, Northwestern University, 601 University Place,
phone 922-7430.

Scholarship
Fullbright Scholarship application materials are available at the
Office of Student Life. The deadline for submitting proposals for 1983-84 Graduate Research is October 25, Contact Annem Amado X380.

Programs for women
There are three major areas of concern that relate to all IIT women.
They are:
Role Modeling and Networking—need women a need and the
desire to interact with women who are peers as well as those who
are of inspirational value.
Information Network—women need a need to gain knowledge and information of a current and relevant nature
from well-informed female sources.
Health Care—women need to have a need for specialized health services
and health information.
Three programs have been designed for the 82-83 year in an attempt to
meet these needs:
Program Three—Women Student Leaders Reception, October 12,
12:30 p.m., Room 301-302.
Program Four—Human Sexuality Seminar: October 19, Dearborn
Room HUB; October 20, Cohen Lounge.
Program Five—Women's Workshop on Leadership, November 9,
12:30 p.m., Room 301-302; November 9, 12:30 p.m., Room 410, Ferr Hall.
Program Six—Alcohol and Drug Awareness Seminar: November 16,
12:30 p.m., Dearborn Room, HUB; November 17, 7:30 p.m., Cohen
Lounge.
All programs are open to all students as well as females, and IIT
hopes an ongoing dialog can be developed following some of the
programs. Also, the Women's Study Seminar and the Workshops
on Leadership and Careers.
For more information on these programs, or if you would like to
volunteer to help coordinate the Women's Study Seminar and the
Dean of Student Life office. Also, please call to place your name on the
participation list at least one week prior to the event so adequate
seating can be provided.

Free money
The Harry S. Truman Foundation annually names up to 105
Truman Scholars. For 1983-84, one each will be selected from the
50 states, the District of Columbia, Puerto Rico, and an additional
group of American Samoa, the Virgin Islands, American Samoa, and the Trust Territory of
the Pacific islands. In addition, up to 50 scholars-at-large may be
chosen.
Each scholarship covers tuition, fees, books and room and board to
a maximum of $4000 annually for up to four years.
Available to men and women, the scholarships are based on merit to
students who will be college juniors in September 1983 and who have demonstrated interest in the public service and outstanding potential for leadership in government.
Forms and information can be obtained from Professor Hartley, FESP Chairman, Room 209, El Building.

Future
Shadow Boxing with your future!!
Shadow Boxing with your future?!
Let Strong provide a target!!
Thursday, November 11 from 12:15-1:00 or 1:15-2:00
Exclusively for freshmen.

Professional engineer exam
Fifty-four states and/or territories of the U.S. have enacted legislation whereby through a combination of education, experience and examination, engineers can become licensed as Professional Engineers. Although at present, registration is not a legal requirement to practice engineering, potential employers often require engineers to find that registration is essential in order to maximize their career development.
The examination for registration is given in two parts: the Fundamentals of Engineering Examination and the Principles and Practice of Engineering Examination. Graduating seniors in engineering should either take the part I examination or take the part II examination in order to become an Engineer-In-Training (EIT). After obtaining a full-time position, experience, or evidence of the examination, the part II examination may be taken. It recommends that EITs take the Fundamentals of Engineering Examination during the last semester before graduation, in order to determine what fields of study, problems-solving techniques for a variety of engineering subjects are fresh in mind.

Fire
Even though it was not an accident, the Police are assuming it was set on purpose. They have no idea why it was set.
The plastic in the fire could create a fire hazard. It was quite a smoky fire. Sergeant Schmidt of the Campus Police said "Many of the students that were confined in the Northeast (basement) of Life Science." One Chicago Police officer arrived at approximately 12:30 to continue the investigation.

Leadership conference
Continued from page 1
The day-long workshop. Besides producing five scholars and one scholar, IIT also chooses to produce leaders. Dean Wise summed up the purpose of the afternoon workshop reception held November 12 as "It is a very important objective of IIT to develop and encourage leadership skills in its students."

Help care career write now
Thanks to your help, the tide is beginning to turn.
The past few years have brought new discoveries in chemotherapy.
Packing lot and HUB

Construction process as a whole was carried out in a haphazard fashion. Mr. Jarrell even pointed out that changes were made in the plans as they went along. Concerning the delays and inconveniences that have been experienced. Mr. Mehlbacher denied that the delays even existed. "It (the construction) wasn't delayed at all. It only seemed delayed." Indeed it seemed delayed. Certainly most of the IIT community actually thought it was delayed. Mr. Jarrell himself acknowledged the delays and blamed them on late equipment deliveries (Tech News 9/13/82).

The State Street parking lot, which caused countless commuter headaches early in the year, is finally near completion. The construction began last June, after the Chicago-Kent College of Law commenced classes. Although the work steadily progressed, it did so at a pace slower than expected. The

EE Chairman

Continued from page 1
of Illinois Chicago Circle; Consultant for Bell Telephone Laboratories on the design of distributed systems and performance evaluation. Dr. Chang has published as many as five technical books and monographs, 74 technical papers, and his major contributions to the field are: 1) Picture recognition from projections, 2) Research and Development of pictorial data base systems, 3) Machine grammars for Chinese Language Computers. Dr. Chang has pioneered the development of Chinese Input/Output systems for computers, and he is the first to develop picture grammars for Chinese computer applications.

His current research activities are in two areas. The first is Pictorial Information Systems and the second is Information Exchange Theory and Applications. TN: Many of our students do not know what the role of the chairman of the EE dept. at IIT is. Can you clarify this? Dr. Chang: The role of the chairman depends on the constitution of the department and whether the department is in the state of expansion or stability. In a large university the position of chairman rotates among the senior professors. When serving as chairman, he/she has the responsibility to balance the budget, schedule classes, and recruit professors for their department.

The Electrical Engineering Department is in its expansion stage; therefore, recruiting well equipped professors is a critical and major part of my duties. Recruiting human resources is needed to conduct a healthy department. Providing a good, strong faculty gives rise to more research and good students. So for the time being, my major endeavor is to recruit.

TN: Does the department have enough full time professors?

Dr. Chang: At the current time, there are 14 to 18 professors (14 are solely professors and 4 are involved in administrative work alone). At this time, we have three vacancies for the position of professor. I plan to recruit four professors in the future to accommodate for the growing enrollment in the EE department.

TN: How much money does the department receive from IIT, and how do you allocate this amount?

Dr. Chang: I cannot give you the exact figures. This is a confidential matter. I can give you a general idea of the budget spending. Some of it goes to faculty salaries, lab equipment, and some for renovation.

TN: How much personal contact do you keep with the students?

Dr. Chang: Recently I talked to the student chapter of IEEE. Usually the students don't know the objectives and goals of the department. I try to answer all of their questions. The main criticism is that of library facilities

The Technology News Challenge

Puzzle 4

Cut this letter E into only five pieces so that they will fit together to form a perfect square. You are not allowed to turn over any pieces.

All entries, accompanied by name, phone, and address, must be turned in by noon, Friday, Oct. 22, 1982.

Solution to puzzle 3

ABCD x EFGH = ACGEFHB

A=6 B=5 C=4 D=3 E=8 F=8 G=2 H=7 I=1

The Winner!!!

Jason C. Ting

The winner should pick up his prize by noon, Friday, Oct. 15

Microprocessor cards will be distributed, and will be necessary for entrance into the "elite" new parking lot. He also stated that semester rates, as well as daily rates, would be available.

The new wrought iron fence: "It will provide more looks than security."
Absolute ignorance is bliss

By Jim Brandt

Ignorance is bliss, but absolute ignorance is absolute bliss. The world is so wonderful and beautiful and well run, just as you imagine it when you don't know what the hell is going on.

That's why I never paid attention in any of my science classes. I don't want to learn anything, and I don't want to know why things work or why things happen the way they do. I don't want to know why a flower blooms or why it's so goddamn pretty. If I knew why a bee collects honey or why the sun warms my face or why a baby is born, that would remove all the mystery, all the wonder of life.

I would no longer have a sense of some all-powerful spirit controlling the universe (after all, if everybody is that stupid, there must be a God to keep things going on an even keel), and that sense of a powerful controlling Spirit is too comforting to lose.

The ancient Greeks and Romans had the right idea; they didn't know what the hell was going on either, and they didn't try to find out. Instead they created myths and fantasies to explain the mysteries of the universe. They invented some extraordinarily interesting and personable, almost charisma-
matic, gods to account for the whims of nature. In other words, not only were the Greeks and Romans ignorant, they had a lot of fun with their stupidity; they played with it.

And that's why so hopping mad about the Virginia Board of Education's recent decision to stop the teachers who graduated from Rev. Jerry Falwell's Liberty Baptist College from pursuing their mission to "go out into the classrooms and teach creationism." the biblical version of the origin of life. The Virginia Board of Education is preventing a perfect opportunity for the Moral Majority to spread the raptures of ignorance.

What could be more like the Greek and Roman myths than the science of creationism? What could be more than the belief that, less than 10,000 years ago, God created in six days the universe in its present wondrous form? (It is very heartening to see that according to a September 1985 Gallup Poll, 44% of those surveyed believe in creationism. Personally, I believe the universe was created when I was four years old because I don't remember anything before that.)

I say that no one should be allowed to interfere with the right of every human to be totally and absolutely stupid. And I further say that in support of that right, the teachers from Falwell's Liberty Baptist College should be allowed to go forth and spread the gospel of creationism. Forget all that you know and be free!

Letters

Tech security problem makes OMNI

To the Editor:

With all the commotion in last week's issue of Technology News regarding campus security and their phantom escort service, I thought you might interest the IT community to know about the following.

In the October 1982 edition of OMNI magazine is a story written by Frederick Pfeil entitled "Farmer on the Dole." This story deals with robots who have come to be employed for different reasons. Robots in this story perform normal jobs, but in addition they are used to get people out of society and swell crowds for the benefit of those who have been left to live on earth instead of on O'Neil space colonies. When robots get laid off from one job, they are reprogrammed to take whatever job is available—even jobs such as vigilantes, pachyderms and truggers.

The 'hero' of the story, Zeo, has been assigned to mug people on the north side. The following quote is on page 126 in the top half of the column:

"So, rain or dry, Zeo spent every six pin to midnight lurking around the old Robert Taylor Houses, relieving old shoes of their rent money and old hair of whatever pitiful possessions were in their pockets. Once in a while he crossed into the Illinois Institute of Technology campus on the trail of some right-school student or professor, but he was always careful to ask them whether they were robot or human before he touched them..."

It strikes me as very odd that one of the greatest science fiction writers in the world would choose to include IIT in one of his stories in such a context. It seems as if everybody and his brother knows the truth about the security problem at our beloved campus.

Sincerely,

I. A. Greenville

Student erased from schedule

To the Editor:

I am using the Placement Office to find a job after I graduate. Overall, they do a great job. However, I was there the other day when something went smoothly that the students and administrators should know about.

I was there when an oriental student went to a member of the staff and complained that he had been erased from an interviewing schedule. The staff member checked the schedule and found that another foreign student had erased the oriental's name and put his own there instead. From what the staff member said, it sounded like this same scenario had been causing problems for a while.

I was surprised when I saw the same scenario slipping up for more interviews the next day. Why wasn't he punished? Why wasn't he banned from interviewing? Come on, Placement Office. You have a new director so there is no excuse for the kind of stuff to happen. When I sign up for interviews, I don't want to worry about some other student erasing my name from a schedule. And if he does, I want him to be punished in some way. Come on Placement Office, get on the ball.

Name withheld upon request.
Jump into Spring Thing

Spring Thing has finally arrived. What is Spring Thing you might ask. Spring Thing is three days of FUN that takes place in the Fall. There is always the traditional New Year's Eve Party in the Bag with noise makers, hats, and a champagne toast. And we can't forget the famous Trike Race. This year it will be held on Thursday, October 14, from noon until two a'clock, the time when all students are supposed to be free. That way, more commuters and any other students that are not usually on campus on the weekends can participate. This year's prizes are the highest ever! First prize is $500.00, the second prize $250.00, and the third prize will be $100.00. The entry fee is $35.00 which can be brought to the HUB Director's office.

Also on Thursday there will be a 5:32 showing of the UB spring ERAGONS LAYER. Later that night will be the renowned UB New Year's Eve Party with happy hour prices from 8:00 till 10:00 and featuring the band JUST NUTS. In addition, there will be hats, horns, and a FREE champagne toast at midnight.

On Friday evening the famous Second City group will perform in the HUB Auditorium. Admission is $4.00 for IIT students and $5.00 for non-students. Then, on Saturday night, anyone (at least my opinion) can make up their own, and we'll have our own ERAGONS LAYER.

Peter Ratner Exhibit

The latest
Generic Protest

Do your campus demonstra-
tions lack sting? Are they high-
lights of human history? A good time? The answer is no.

Then the All-Purpose Demo-
stration is for you. Add a little human, stage it theatrically, cut out the boring speeches and watch the crowds and the media turn out in droves. It worked recently at the U. of Minnesota-Twin Cities campus, where 5,000 people and a large contingent of local press attended a protest of everything from nuclear war to Coca-Cola to the sale of albums recorded by dead rock stars.

Former campus activist Pete Wager now an instructor of cartooning and a humor magazine publisher-and his street theatre group, the 1985 Bratrat, organized the Wednesday afternoon rally. It was publicized with a "generic" poster, featuring black print on bright yellow paper and the standard universal protest code, "Stop the War," along with accounts, from various campus political factions, organized their protest activities, says Wager, but a few hundred others showed up with spontaneous protests. They included a pre-prep, a faculty, and group whose members carried signs saying either "for" or "against" the demonstration. The demonstration's theme was drawn from Wager's 1980 book, "Boy This Book," which outlines a "plan for pests' activities," he says. "The idea is to combine fun with political activities," Wager comments. "Humor doesn't dilute your message, it makes it stronger. And you can reach more people..."
This is certainly a long way from "Off the Pigs!"

Crank It Up

Leid rock music is here to stay — but so may be the hearing problems it causes in ardent fans. At Penn State U., students and administrators are pondering the possibility of enforced protection of student ears.

The problem stems not only from the loudness of live rock bands, but also from the acoustics of the only Penn State facility suitable for touring shows — a former gymnasium. After some students expressed concern, Paul Michael, director of the campus acoustics lab, conducted tests. He found noise exposures for the first third of concert seats equals 150 percent of allowed industrial exposure. The impact of such noise will vary with the individual, says Michael, but 10 percent to 15 percent of concert-goers could suffer a small amount of permanent, irreparable hearing loss. The danger of hearing loss is compounded by a student lifestyle that includes regular exposure to loud music — both live and recorded. "The loss of hearing is very slow, but by middle age, some of these people will be having trouble," Michael says.

Armed with that information, Raymond Murphy, vice president of student affairs, set up a committee to consider a university policy controlling decibel level. A quick check of other East Coast and state schools found no role models, says Murphy. Student concert programmers warned that rock bands would bulk at playing where loudness is restricted. To avoid that possibility, Penn State settled on two intermediate steps: printing a warning on student concert ticket and making available soft earplugs, to filter but not absorb all sound.

Murphy would like to see a national move to lower the volume, "I think young people may be doing this to themselves in ignorance," he says. "I'd like to see a national organization take on the issue, at least in the sense of educating the public as to the dangers."
The Adventures of Penway

Samuel A. Penway stood at the end of the long freestore bin, pondering the fate of a box of frozen fish sticks. On the boxed front panel the sticks too much resembled severed human fingers so he put it back. "Twinkies and yogurt time," he thought. He moved on to the "Wholesome Baked Goods" aisle. He picked up his beloved package of Twinkies and headed towards the refrigerated section of the mart, noticing two students standing by the yogurt section. Figuring he would have to rough the pair up in order to get his prized vanilla yogurt, he walked towards them stealthily. As he neared them he saw that one of his potential combatants was a shirt bearing the crest of one of the campus fraternities while the other appeared to be a person of the dorm kind. While Penway watched, the dorm inhabitant picked up one of the yogurt containers and tentatively took off its lid to look at the contents.

"What the hell," he said dubiously, "where's my apricot?"

The first man shook his head slowly.

"It's at the bottom, guy. You got to shake it up to mix it." he instructed.

"Oh, hey thanks. I thought it was defective merchandise or something." replied the dormie then proceeded to shake the open cup vigorously, immediately coating the first guy with the pasty liquid.

"I will kill you," the first person calmly said. The dormie, who was considerably outnumbered, decided it would be better to apologize later and belted past Penway for the door. He almost didn't make it but the frat person being bigger was proportionally slower and clumsier. Through the window Penway could see that the dormie had reached the comparative safety of the residence halls, leaving his pursuer with a handful of shirt and a pair of scorched sneakers.

"Things have a way of working out," reflected Penway happily, reaching for his vanilla yogurt.

Penway paid for his food and left the mart. Across the street in front of the dorms he saw a large group of fraternity people in jerseys. In the middle of the group stood the smeared guy that Penway had seen in the mart, gesturing towards the entrance of one of the residence halls. He noticed that many of the Greeks were holding eggs or overripe vegetables.

"This could be extremely interesting," Penway thought, taking up a vantage point by the mailbox. The offended member gave a loud speech to his assembled brothers, commenting extensively on the dorm residents personal hygiene and unusual fondness for yard animals. This apparently aroused the Greeks' moral fury as they began storming towards the open dorm doors. Within seconds Penway heard shouts of surprise and the wet crunching of high velocity eggs finding a target.

The whole attack didn't last for more than a minute. It ended with the frat people running back down the street to the fraternity quadrangle, chimed by a door splattered dormie. They gave up the chase when they realized that the man heading into the Quad wasn't such a hot idea. Penway, having finished his twinkies and yogurt, threw out his garbage and headed to class, figuring the episode was finished.

He discovered when he was released from class that the incident was far from over. While he was in class the irate dormies had driven an unattended Bainian delivery truck through the first deck of the north-west most fraternity house. In retaliation the Quad had floodheaded the dorm cafeteria. The dormies seemed kind of happy about this, but never the less derived an E train across the parking lot into the fraternity at the southern end of the firelane, totally leveling it.

Penway came to the conclusion that things were getting out of hand when he saw a handful of jered men wearing gas masks towing a large canoe marked "Danger Lethal Gas" from one of the school's experiment labs. As the rioting group headed towards the dorms Penway wrapped his handkerchief around his face and hurried home.
Old Times is a good time

By Barb Jaworski

Dennisa Zacek's production of Harold Pinter's OLD TIMES opened September 29 at Victory Gardens Theater and runs through November 7. Set at the seaside home of Kate and husband Theo, Old Times is about the reunion between Kate and her old friend Anna. A mysterious triangle evolves as the relationship between the three characters becomes more and more intricate. As the characters recall in turn their memories from twenty years past, the pieces to an intriguing puzzle seem to fall into place.

Dennisa Dunagan stars as Kate, a woman who admits to having only one friend in her youth, that of Anna, played by Leslie Geraci. Deeley is portrayed by Garry Becker, Kate's suspicious husband, who tries painfully to unravel his wife's past.

Students depend on GSL

PRINCETON, NJ (CPS) - Nearly half of all graduate students in America would lose their money if President Reagan had gotten his 1983 budget proposal through Congress, a new Educational Testing Service (ETS) study concludes.

Reagan proposed last February to cut the Guaranteed Student Loan (GSL) program from $6.8 to $2.8 billion, in part by disqualifying all grad students from the program.

Congress defeated that proposal, later boosting GSL funding to $8 billion.

The ETS study, undertaken to weigh the impact of cutting off grad students from GSLs, found that grad students rely on GSLs more than any other kind of aid.

Some 600,000 graduate and professional students owed a total of $1.2 million-borrowed money under the GSL program last year, the report found.

Cutting them off from those funds would have a profound impact, says Dwight Horch, ETS director of college and university programs and co-author of the just-released study.

The president's proposal, he says, was "untried and untested," and could have forced large numbers of grad students out of school.

Otherwise, "the study clearly shows that there is a need for different types of financial aid at the graduate level, such as more fellowships and opportunity grants," he says.

Many grad students "have no recourse except to borrow to finance their educations."

To make GSLs easier to repay, Horch suggests the government "tie the level of repayment to the student's future income."

Kate was handled quite well by Dennisa Dunagan. She adds a lot to the illusion part of the play. Her character comes off as very cold, distant and in a constant dream/fantasy state. I really didn't care too much for Leslie Geraci's portrayal of Anna. I felt that she overplayed the character. She was a bit too dramatic and proper. Her acting was almost the Shakespearean type, if you know what I mean.

Overall, on a 1-4 star basis, I'd rate this play 2-1/2 stars. The style and approach of the play is most unusual and on the bizarre side. That in itself is worth seeing. But be warned, you might be a little bit confused after the play is over.
There are not enough reference books available. 

TN: What steps have you taken to correct this? 

Dr. Chang: As chairperson of only one department, I cannot do much. It should be a collective effort of all chairmen of all departments. But in my belief, I would like to have a reading room in my department and give more textbooks to the professors to aid the student's learning. Of course this does not replace the facilities of the central library.

TN: How many graduate students are currently enrolled, and how much receive financial aid from the department? 

Dr. Chang: There are 44 graduate students this year, and almost all receive aid from our department. There are 21 Ta's and 9 R.A.'s, and six instructors.

TN: What more would you like to say about the EE department? 

Dr. Chang: Our department is offering a very good undergraduate program. We have introduced a lot of high technology courses which will play a major role in our existing industry. Because of the energy crisis, most of the industry is moving south. Therefore, Illinois is losing a lot of industry. We have to change this situation. We must be able to attract high technology to the Chicago area. IIT is in a unique position to bring about this change. I know the games in industry, and I know what it takes to build a strong department. The students in the Electrical Engineering department are very dedicated to the students and we intend to maintain the high quality of education.

TN: Throughout this interview you have stressed your department's strengths and high quality education. With this in mind, can you tell us how high the EE department at IIT ranks in the U.S.? 

Dr. Chang: I do not know the exact rank, but it ranks in the top 20%.

We would like to express our gratitude to Dr. Chang for taking time out of his busy schedule to answer our questions.

Heart Answers

WHAT IS CPR? 

CPR is cardiopulmonary resuscitation, an emergency lifesaving technique used by one or two people to artificially maintain a person's breathing and heartbeat in the event the heart functions suddenly stop. CPR combines mouth-to-mouth breathing and chest compressions to keep oxygen-rich blood flowing to the victim's brain until emergency service with advanced life support is available. Contact your local American Heart Association for more information.

American Heart Association
WE'RE FIGHTING FOR YOUR LIFE

Classified

Couple seeks to add to family through private adoption.

Contact KLPIC, 225 E. Michigan, Suite 201.

Milwaukee, WI 53202.

RESEARCH PAPERS
TOLL-FREE HOTLINE
800-621-5745

IN ILLINOIS CALL 312-922-0000

AUTHORS' RESEARCH, ROOM 68

407 S. Dearborn, Chicago, IL 60605

ENERGY.
We can't afford to waste it.

... AND NEITHER CAN YOU.

You've invested at least four long years and a lot of sweat and sacrifice to get your degree. You want to make sure your hard work and dedication are utilized with a company whose future is as bright as yours. TELETYPE CORPORATION, a leader in the manufacture of data communications equipment, believes the future belongs to those who prepare for it. We want to prepare for our future by recruiting high-energy, results-oriented individuals for our Research and Development Organization.

We are currently looking for individuals for the following positions:

Software Engineers
- Design of software for minicomputers and microprocessor-based communication systems. BS or MS in Computer Engineering or Computer Science with a hardware option.

Circuit Design Engineers
- Design of digital and analog circuitry and custom VLSI chips for new data communication products and systems. BS or MS in Electrical Engineering, Computer Engineering or Physics.

VLSI Fabrication and Process Engineers
- Semiconductor Engineering, and Research & Development. Design, processing, testing and computer analysis of custom VLSI circuits. BS or MS in Electrical Engineering, Chemical Engineering, Physics or Material Science.

Join a company where your career possibilities are limited only by your own ambition. If you're interested in a highly-stimulating, technical environment, talk to one of our representatives.

We will be interviewing on campus as part of the Bell System Team, on October 28 & 29. Visit your placement office and sign up on the BELL SYSTEM-TELETEYPE CORPORATION interviewing schedule.

Cheryl Newell
Professional Employment Representative

Teletype Corporation
5555 Touhy Ave., Dept. 1617-2
Skokie, IL 60077

Telephone (312) 982-3320

equal opportunity employer m/f

BRIDGEPORT TRAVEL

259 WEST 31st STREET

842-3118

Airport Tickets at Airport Prices

Daily 9-5

AMTRAK

The Navy Officer's Program will be conducting interviews at the Placement Office on October 12 & 13.

Positions available include Engineering, Business Management, and Aviation.

Interested students should sign up at the Placement Office.

YOUR FUTURE WON'T WAIT...
By Kenneth Matthews

If you just can’t wait for the new B-52’s albums to be released, go and pick up Soft Cell’s latest album, **Vesuvio Ectopic Dancing**. It is (so far) the closest thing to the B-52’s sound. The group consists of two members, Marc Almond and David Ball. Like the B-52’s, Soft Cell produces deep bass, dance-oriented music.

**Non-stop Ectopic Dancing** is an EP collection of two new songs and four previously released songs that have been remixed.

The two new songs are fantastic. The first is “A Man Could Get Lost” and is an “only for those who want to hear instrumental cut which is mixed in unison with ‘Insecure... Me’.” The latter tune has a female vocalist, Cindy Rantvy, rapping. She sounds similar to the guys in Yello on their **Rhythm** album.

Cindy also raps on a remix of “Memorabilia.” This cut was previously released on the **Tainted Love** disc. On that same disc was “Where Did Our Love Go? We all know that the original version was by Motown recording stars, Diana Ross and the Supremes, right? Right!”

The song “What” is taken from the import disco titled So What, which had the song “So” on side one and “What” on side two! Strenght!

“Sex Dwarf” is nicely remixed on the EP and the original version on **Vesuvio Ectopic Cabaret** isn’t bad either.

If you simply cannot wait for the new B-52’s release, get the Soft Cell album. For those of you who can hold off a week or longer, the B-52’s album will be out in another week or two.

I’d like to apologize to Sherman. I hope there are no hard feelings. Now, who will someone ask Ginger to give me my B-52’s cassette?

**Music News from the man and the Pointer Sisters are “Greatest Hits” albums. The Rod Stewart album is live. The Prince album will be in the stores on Oct. 29. The Supertramp album will be printed on super vinyl records and chromium dioxide & tape...

(2) Luther Vandross and Cheryl Lynn will be playing in Chicago and Rockford in November. Luther is also co-writing and producing albums for Teddy Pendergrass, Diane Warwick, and a second album for Aretha...

(3) Fleetwood Mac will be aired on radio and television during a live concert at the Los Angeles Forum early next year...

**City Life**

*ticket deal*

City Life Theater Company has been bringing quality professional theater to the city for the last two years with its critically acclaimed productions of Somerset Maugham’s THE OUTSTATION and Dorothy Parker’s BIG BLONDE. The company’s next production, City Lit is kicking off its 2nd season with a special City Lit sampler, IIT students and staff in Herrmann Hall (HUB). On three consecutive Sundays in October, starting October 9 and ending October 31, Halloween afternoon, City Lit will be presenting entertaining and gripping concert renditions of works by great writers. IIT students who present their IIT ID can see the individual shows for $2 (one dollar less than the general public) or they can purchase the series and see ALL THREE PRODUCTIONS FOR $3 (three dollars less than the general public will be paying for the series), making it the best theater bargain in the city.

**Heart disease and stroke will cause half of all deaths this year.**

STOP by and talk to us:

Monday, October 25th

**On-Campus interviews**

Racal-MilgO

7800 W. Oakland Park Blvd., Sunrise, Florida 33321 Telephone (305) 748-3507

Equal Opportunity Employer

**Engineering Grads:**

JOIN THE FASTEST-GROWING INDUSTRY IN ELECTRONICS TODAY

DATA COMMUNICATIONS

You’ve worked hard getting ready to play an active role in the great technological developments of the 1980s. And when graduation comes time, outstanding young engineers should have an outstanding place to grow. For over 26 years, dynamic growth has kept Racal-Milgo on the leading edge of communications technology. We’re planning to stay there the best way we know how ... by cultivating individual achievement.

We encourage our engineers to think creatively. To turn their innovative ideas into successful products in an atmosphere of friendly, professional teamwork. We provide them with the industry’s most challenging and rewarding responsibilities. And one of the nation’s most advanced engineering facilities.

When you work at Racal-Milgo, we work with you. In your first year, our Fration Program gives you the opportunity to get involved in all our product areas — modems, multiplexers, sophisticated network management systems, and more. To help you find the engineering areas that interest you the most.

Racal-Milgo: The growing alternative

Just as our product line is expanding to meet evolving data communications needs, our facilities are also growing. An all-new corporate headquarters is currently under development in Broward County, one of the nation’s fast-growing electronics centers. This 100-acre complex will give us even greater flexibility to accommodate future growth.

Broward is at the center of Florida’s Gold Coast, an area famous for year-round sunshine and recreation. But those are only the most obvious aspects of South Florida. Its multi-faced lifestyle is state-of-the-art, with all the elements of a bright, productive future.

We offer a competitive compensation/benefits package, of course. But best of all, we provide a stimulating environment to get your career started in the right direction. And our “double track” career program lets you choose your own path into technical leadership or executive management.

If you want to put your degree in computer science, electronics, or electrical engineering to work for you, call your Career Placement Office today. Make your appointment for an interview, and lock in the future with Racal-Milgo.
Sailors place third in Marquette Regatta Held in Milwaukee

Continued from page 12

B-division began racing again. At the start of the 3rd race Steve Long cut his finger badly and had to withdraw from the race. 3rd Palme was quickly shifted to B-division skipper duties, but the second of the back to back races was started without him. IIT quickly filed for protest compensation due to improper race committee procedure, these points were awarded later. Randi Kunslemann very ably filled in as A-division crew as IIT ended with A-division finishes of 5th and 4th. Ed Palme got a 3rd in the final B-division race.

B this time it was just about dark and the race committee called it a regatta. With the protest compensation in the B-division races final standings were as follows: 1) Southern Illinois University; 2) Notre Dame; 3) IIT; 4) Marquette; 5) Indiana State University; 6) University of Wisconsin-Oshkosh; 7) Northern Illinois University; 8) University of Illinois circle Campus.

The IIT Sailing Club will be sponsoring it's first Intercollegiate Regatta on Oct. 16 at Chicago Yacht Club in Belmont Harbor. Ten schools, including Notre Dame, Northwestern, Southern Illinois, and the University of Indiana have been invited. After participating for two seasons in the Midwestern Collegiate Sailing Association, the IIT Sailing Club has the opportunity to host it's own regatta. Hosting a regatta takes much work and organization. Members of the club have taken equal part in it's organization in hopes of a successful event.

Sailing is a sport where fan participation is not often thought of. Many students at Tech have never seen a regatta. It is interesting to watch the onlooker feet, two men "Flying Jenics" race the triangle course. The regatta will consist of a series of short races. Races begin at 9:00 a.m. and run most of the afternoon, depending on the weather. Chicago's lake front on a sunny fall day is a great way to spend a Saturday. Why not come support IIT's newly formed Sailing Club! It's a great way to spend Sweetest Day!

Swimmers finally accepted to Division I Championships

By Brian Bonetti

For the last two years, the IIT Varsity Swim team has been administrates trying to compete in the NCAA Illinois Division I or Division II Championships held right after the new year. Since IIT is a Division II competitor, and the only Division II school in Illinois, it has been refused entry into Division III because of it's being too strong, and Division I for being too weak.

Whether it was the team record of 103 in dual meets or its two first places in the Illinois Intercollegiate Championships last season, Coach Dan Sammons, of University of Illinois-Champaign gave coach Matuch the word last week that IIT would be accepted into the Division I Championships being held on January 14, 15, 16 at his school.

Although IIT will be a "lamb among the wolves" this year, coach Matuch feels the superb competition with top Privacy schools like Bradley, Eastern, U of I-Champaign and Circle, Loyola, Northwestern, Northern Illinois, Western, and of course the top Illinois school in swimming, Southern Illinois, will give the Hawk swimmers fine experience for this championship meet in mid and late February.
Tech Harriers run into serious competition

The IIT Harriers faced stiff NCAA Division I and II competition at the Loyola Lakefront Invitational Saturday, Oct. 2nd. IIT placed 12th out of fourteen teams. The 5.1 mile course and the high caliber of the other teams contributed to the final IIT score of 321 points. Marquette University won the meet with an amazing score of 16 points.

Coach Krygier believes this type of meet is excellent training and exposure for IIT runners. It is important to have top runners to build speed and endurance, and to get accustomed to racing top teams.

Freshman Jim Kiehlis leads the team with a time of 29:30. Lou Helmsbery, a senior and varsity diver, came in second for the team with a time of 30:10. Close behind Lou was freshman Mike Waniak at 30:24.

Mike Waniak found out about IIT through his brother Joe who ran for IIT in 1976-80. Mike finds that cross country has helped him get in shape for Navy ROTC. The major differences Mike sees in college and high-school meets are longer courses and tougher competition. Junior Kirk Kiehlis has one year left in his college career as a runner, and he knows about these differences. Kirk says this season seems better than last season because he knows what to expect.

Junior Ken Zager wants to thank IIT spectators for coming out to cheer the team on. We've had more spectators this year than ever, and he thinks it's great. Ken commits to school, spends lots of time drawing for architecture classes, and has to run at midnight sometimes because it's the only free time he has. He and all the team members deserve our support.

Senior Mike Urlandowski single out St. Xavier and George Williams Colleges as IIT's closest rivals. Mike ran for Kennedy High School, and like other Chicago area runners, he still faces old high school rivals at college meets.

The team is now gearing up for their last Chicago area meet hosted by North Park. The remainder of the season's meets will be out of state.

Sailors take third in regatta

Saturday, Oct. 2, the IIT sailing team traveled to Milwaukee to participate in the Marquette University fall regatta. Team members competing that weekend were Randy Kuzelmann, Steve Long, Ed Folline, Sue Scott, and Garry Winter, accompanied by coach George Smock.

Due to a scheduling mix-up the planned starting time for racing was moved from 9:00 a.m. to 12:30 p.m. The interesting time was spent admiring the gorgeous sailing conditions. Temperatures in the mid-sixties, wind from the Southwest at 12 to 18 mph, and plenty of sun.

For the first A-division race Garry Winter was at the helm with Ed Folline crewing. They sailed solidly to third out of eight teams competing. B-division with Steve Long piloting and Sue Scott crewing took 10th out of 18 teams. IIT was the last boat to finish back races finishing 2nd and 5th.

Bad luck struck once the

In most jobs, at 22 you're near the bottom of the ladder.

In the Navy, at 22 you can be a leader.

After just 16 weeks of leadership training, you're an officer. You'll have the kind of job your education and training prepared you for, and the decision-making authority you need to make the most of it.

As a college graduate and officer candidate, your Navy training is geared to making you a leader. There is no boot camp. Instead, you receive professional training to help you build the technical and management skills you'll need as a Navy officer.

This training is designed to instill confidence by firsthand experience. You learn by doing. On your first sea tour, you're responsible for managing the work of up to 30 men and the care of sophisticated equipment worth millions of dollars. It's a bigger challenge and a lot more responsibility than most corporations give you at 22. The rewards are bigger, too. There's a comprehensive package of benefits, including special duty pay. The starting salary is $10,400—more than most companies would pay you right out of college.

As a Navy officer, you grow, through new challenges, new tests of your skills, and opportunities to advance your education, including the possibility of attending graduate school while you're in the Navy. Don't just take a job. Become a Navy officer, and take charge. Even at 22.

Take Charge At 22.

Navy Officers Get Responsibility Fast.