By Ron Haddad

IIT recently bought a new computer, the VAX 11/780. In order to enlarge its computing capabilities. The VAX is housed in the basement of the Stuart building, along with IIT's other computers.

The Academic Computing Center Executive Committee made the decision to buy the computer. "The VAX is the largest computer in the country," said Dr. Rollin Dix, Associate Dean for Computer Development.

The Academic Computing Center Executive Committee is comprised of Dr. Andre Vannas, Dean of Engineering; Dr. Anthony Wijk, Chairman of the Computer Science Department; Dr. Howard Saben, Representative of Lewis College; Dr. Higgins, Dean of the School of Advanced Studies; and Dr. Dix, Associate Dean for Computer Development.

The VAX 11/780 has 4 megabytes of memory, and can store 4 million characters in its memory. This character set is very rapidly accessed and processed. In addition to the 4 megabytes, the VAX has two hard drives, one to hold 560 million characters, the other to hold 120 million characters. The disc store programs and data while the computer is in use. The VAX has 64 interactive ports, meaning that it is capable of connecting to 64 operators simultaneously.

In addition to the new computer, IIT has many new terminals located on campus. Besides the terminals in Stuart, there are terminals in E1, Oder Library, and the residence halls 4 of the fraternities. It is planned to have the computer connected to terminals in other locations also.

The VAX 11/780 is one of three computers that will be housed in the Stuart building. The other two computers, a PRIME 400 and a PRIME 550, were bought last year by the Centre Foundation and last year's student body, respectively.

The PRIME 400 has 30 interactive ports, and the PRIME 550 has 40 interactive ports. In addition to the three computers owned by IIT, IIT uses a fourth computer, the UNIX VAX 11/780, in exchange for office and floor space and a small amount of money, the computer owner, United Information Services, allows IIT to use a certain amount of computing time. United Information Services, a division of United Telecommunications Corporation, has the UNIX VAX for approximately 10 years.

The computer Science Department is planning to move beginning Computer Science students to the VAX 11/780. This will allow those students to train on the computer they'll be using mostly during their stay at IIT. "We're adding 4 megabytes of additional memory and 36 additional terminals to accommodate the CS 100 course," Dr. Dix said.

Alternatives to Reagan’s aid cuts

WASHINGTON, D.C. (AP)—Congressmen and senators have proposed a variety of alternative federal student aid budgets in the last few weeks, all of which are more generous than President Ronald Reagan's aid proposals unveiled in early February. Some officials now predict the Reagan proposals will be defeated.

Several committees have already taken some action, and a few senators have already expressed their support for the Reagan plan, more alternative aid budgets are expected.

"Lordy, lordy," jokes Jan Lilja, education analyst with the Senate Budget Committee, "there'll probably be a lot more alternatives. (Proposing aid budgets) seems to be the latest fad in town."

"There are seven new ones every day," says Representative Daniel Regan, a dedicated budget analyst.

In the Senate, the analysts expect the flow of alternative proposals to slow as soon as the President's budget comes close to a consensus," he says that happens every April, and has "reason to think (they) will reject the president's proposal at least.

In the House, the Education and Labor Committee has already approved a student aid budget that increases funding for all major programs, including the President Reagan wants to abolish altogether.

The committee, however, traditionally more liberal in its funding than the Ways and Means Committee, which will weigh the proposals before passing them on to the full House for a vote.

The House recommendations are just one of nine 1983 fiscal year budgets now before Congress.

The President's budget would freeze aid programs at 1982 levels. Otherwise, it differs most from the Reagan proposals in the Guaranteed Student Loan Program.

The Senate committee's budget would make families with incomes over $40,000 a year ineligible for GSLs; and require families with gross incomes between $25,000 and $40,000 to demonstrate need. President Reagan would require all families with incomes over $40,000 to show need.

Domenici would also keep the in-school interest subsidy the president wants to abolish, but would require students to pay it back to the government after leaving school. All the alternative budgets: as opposed to the Reagan proposal, would include grants students in the GSS program.

The Pell-Stafford budget, according to a House aide, would "continues current funding levels. No changes in the programs at all, except to allow for inflation." The audit office would allow a 7.4 percent increase in spending for Pell Grants, Supplemental Education Opportunity Grants (SEOGs), College Work-Study, Student Incentive Grants (SIGs), and National Direct Student Loans (NDSLs).

The Pell-Stafford budget asks for $7.8 billion for student aid in 1983, compared to the $4.2 billion President Reagan wants to spend. The government is authorized to spend $1.4 billion in the 1982 fiscal year, which stretches from Oct. 1, 1981 through Sept. 30, 1982.

Sen. Stafford himself figures Congress will ultimately decide to fund the programs for 1983 at about the same level as 1982. "The majority view in the Senate is that we'll fund programs," he said at the American Association of School Administrators in early March. "So that domestic programs will be funded in fiscal 1982 ought to be level-funded through fiscal 1983."

The student aid budget in fiscal 1981 was $3.6 billion.
PREMED STUDENTS
ARE YOU WORRYING ABOUT MONEY FOR MEDICAL SCHOOL?

Medical/Osteopathic school is tough enough without the financial worries. With today's rising cost of tuition, medical/osteopathic school, to some, is only a dream.

The U.S. Navy can help you fulfill that dream with a medical/osteopathic scholarship that pays 100% of tuition, books, fees and a monthly stipend of $500.00 per month. This scholarship can ease the burden of financial worries and allow you to use your energy to do your best in medical/osteopathic school.

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Naval Management Programs
NRO Glenview
Bldg. 41, Code 2D, NAS Glenview, IL 60025

DO YOU HAVE QUESTIONS ON NEXT YEAR'S FINANCIAL AID?

ATS (Association of Tech Students) is sponsoring a conference with the Financial Aid office
12:15-2:00 Thursday, April 1, 1982.

Signup before 12:00, Wednesday, at the Student Life office.
announcements

Why wait for 1992?

"A Fair for Chicago" will be the premier exhibit at the Chicago Architecture Foundation's new lecture/exhibit space in the Montoya Building, 330 S. Dearborn.

Running from April 16 to May 18, the exhibit will feature the first viewing for the general public of the site plans for the proposed 1992 World's Fair in Chicago and a retrospective of the 1933 Century of Progress.

Sites for the proposed fair and the 1933 fair are the same—from Balbo to 31st Street along the lake.

"A Fair for Chicago" will include a display of color panels illustrating how the 1992 fair would be conceived if it were held in Chicago. The exhibits will stress ideas for public structures and site plans will showcase the bold, geometric forms, sleek design and colorful decorative lighting of the 1933 fair with its Travel and Transportation Building and Buck House of Tomorrow.

Gallery hours for the exhibit will be: Tuesday thru Friday, 11 a.m. to 5 p.m.; Saturday, 9 a.m. to 4:30 p.m.; and Sunday, noon to 4:30 p.m. The gallery will be closed on Mondays. For information, call 782-1776.

Science Fiction Talk

The DOSL will present Science Fiction writer Harry Harrison, Tuesday, April 13th, at 12:30 p.m., in the HUB, Author of more than 30 novels, Harry Harrison is the acknowledged authority of science fiction. His novel "Make Room! Make Room!" was made into the prize-winning film, "Soylent Green.

Admission is FREE.

Fusion power

The Union Board will present the Jeff Lorber Fusion Quartet with special guest, the Simon & Bard Group, in the HUB, with an evening of high energy Jazz Fusion, Monday, April 5th at 8:00 p.m. Admission is 47. 66 and on an ID.

The Easter Bunny

The sisters of Kappa Phi Delta Sorority will host an Easter Egg Hunt on Sunday April 4 at 1:45 p.m. at St. James Church. Children of faculty, staff and students are welcome to come and meet the Easter Bunny and win prizes!

NROTC clean up

Still driving with winter salt and dirt all over your car? Then why not start Spring clean and fresh? The NROTC is having a Spring car wash beginning at 12:00 and lasting until 4:00 on Friday, April 2nd. So, why not give you car or if you've got some extra time, stop by and get rid of the Winter grime. The car wash is at 32nd and Michigan Ave. By the Military Science Building.

Women get "16"

Last Tuesday and Thursday marked the start of a new Women's Softball Club. Under the direction of Coaches Sue Halper and Bob Topper, the women will be practicing every Tuesday and Thursday from 12-2:00 p.m. Everyone interested in playing must be at practice on March 30, Keating Field.

You'll kick yourself

There will be a meeting, Tuesday, March 30, for anyone interested in playing on the 1982 Varsity Soccer Team. It will be held at 1:00 p.m. in Keating Hall. For more information contact Coach Wozniak at X2296.

Sting vs. Cosmos

See the 1981 Soccer Bowl rematch between the champion Sting and the New York Cosmos on Sat. April 24. Sign up with Sting in Room 232 North Hall or Joe in 109 North. Sign up deadline is Wed. March 31. Illustrated box seat tickets are $7.00 each. Sponsored by North Deen Council.

Comedy at Goodman

THE FLYING KARAMAZOV BROTHERS, that madcap quartet of juggling comedians, and ANVER THE ECCENTRIC, whose originality is now well established, are coming to Northwestern. The comedians will combine wits and skills in an evening entitled "WELCOME TO OUR LIVING ROOM" opening Tuesday, April 6th for a limited engagement through April 11th on the Goodman Theatre Mainstage.

Tickets will be on sale on Friday, March 26th, at the Goodman Theatre Box Office; by mail; or by phoning (312) 443-3800. For group information, call (312) 443-3849.

CHI EP knows all

Chi Epsilon is sponsoring tutorials for the following CE classes: 301, 305, 315, 316, 319, 323, 371, and several other 400 level classes. Tutorials are held every Thursday from 12:00-2:00 in Room 218, Alumni. For more information call Patrick Flood, 354-0289.

Free lunch

A group of American families is planning a luncheon for international students on Sunday, April 28, 1982. If you would like more information come to the International Office, Rooms 110, Farr Hall or call 567-3007.

LSAT packets

Registration packets for 1982-1983 Law School Admission Tests are now available. Students planning to take the test should study carefully, the sample test included in the packet since the test has been radically restructured by Law School Admissions Services. Packets may be obtained from Professor D'Altenberger (10:11 a.m., Monday, Wednesday, and Friday); or by appointment, X5131.

Frat fun at Tech

Greek Week is a competition involving fraternities and sororities that tests not only how fast you push a bed a hundred yards or catch several dozen eggs, but who is also daring enough to jump into mud up to their necks and grate for marbles; or eat a pin, chug a beer and spit a bat around in quick succession. This year's Greek Week begins on Monday April 19, and the schedule of events is as follows:

Monday, April 19
12:15—Egg Toss
5:15—Bat Race
12:15—Tug of War
5:15—Slider Scare
12:15—Bed Race
5:15—Leg Tunnel
12:15—Carr Race
5:15—Pentathlon
12:15—Marble Race
5:15—Marble Dig
8:00—Beer Chug

Hope to see you there!

Graduating?

A mailing pertaining to attendance at the May commencement has been sent to all candidates. If you have not received this material, please contact us at 567-3310, the Registrar's Office, Room 104, MB prior to April 23.

Coop or no?

The Cooperative Education Office would like to invite all students interested in learning more about co-oping while in school to attend the Co-op Information Session. The final session for the spring semester will be on Thursday, April 1, from 1 p.m. to 2 p.m. in the HUB Mezzanine, room 306. These meetings cover the many opportunities and advantages of Cooperative Education for students.

Balloon bias

Theta Xi Fraternity will be sponsoring a Balloon Blast to support Multiple Sclerosis Foundation. The kick off party for this two week long fund raiser will be Sat. April 3rd. All members of the IT community are welcome to attend.

Each balloon is a $1.00 donation to MS. The balloon which goes the farthest and is returned will win the grand prize, a TV set.

Watch Tech News and the bulletin boards for additional information or contact any member of the Theta Xi Fraternity.

Placement opportunities

The following companies will be on campus interviewing graduates during the month of March in the Placement Center 4th floor of Farr Hall.

Mar. 29
U.S. Air Force
Ingersol Johnson Steel Co.

Mar. 30
Kaiser Engineers

Mar. 31
Sun Electric Corp.

Nuclear arms policy lectures

By Terry Irish

Robert Bossie, Director of the Chicago based Eighth Day Center for Justice and Peace, will lead off a panel discussion at IT addressing the question of nuclear arms and the threat to global peace.

The debate on nuclear arms policy began in this year's series of "Conversations at IT." It will be held at 12:30 p.m. on Tuesday, March 30 in the Southeast Lounge of Hermann Hall and is open to all. The social hour begins at 12 noon.

Mr. Bossie, member of a Roman Catholic monastic order, is an associate of various groups active in the movement to publicize the increasing danger of nuclear catastrophe, organizations such as Physicians for Social Responsibility, Policy Council for the Bulletin of Atomic Scientists, and the American Friends Service Committee. A colleague in these endeavors is Dr. Helen Keidt, professor at Harvard Medical School, who currently is traveling throughout the world and addressing the collapse of medical services in the event of thermonuclear war.

Among aspects of the problem are the arms race and international proliferation of nuclear weapons, the "time-bomb" of economic breakdown, and the potential conflict in seeking military superiority. Included in the program is a short film, "Thyrnoma-Nagasaki, 1945." Other panels will offer results of comments from the point of view of American policy and the national political scene.

People Power helps prevent birth defects

Support March of Dimes
Int. Office Solves Problems

What’s it like to be a foreign student? What unique opportunities and problems do foreign students have at IIT?

Anyone who has ever lived in another country would probably agree that the experience is both demanding and exciting. An international student in any country needs specialized services in many areas; legal, social and personal being the most widely recognized types of services required. Before a person can take advantage of the opportunities presented to him because of living in another country, he must have access to basic survival information as well as opportunities to interact with members of the new culture.

The International Office of IIT, under the Division of Student Counseling Services, was set up to meet the unique needs of international students. The service provided through the International Office begin before a student arrives in the United States and extend beyond his graduation.

When a student is admitted to IIT, the International Office sends materials to him in his home country which are designed to give basic information about Chicago and IIT, and how to prepare himself for his trip to the United States. The student is encouraged to seek as much additional information as possible in his home country before coming to the U.S. so that he will be better prepared upon arrival.

Orientation programs are planned for new students each semester. For example, last fall the approximately 300 new international students were able to participate in programs designed to give them information about the U.S., Chicago and IIT. Specialized programs are presented to orient students to the educational system in this country, to give students an understanding of the legal style at an American University, and ideas about what to do and where to go in Chicago. Various members of the IIT community participate in these events, giving new students an opportunity to meet people and become aware of the services available to them. Social activities are planned by the International Office, such as last year’s trip to Indiana Dunes, to help students get to know other students in a pleasant and relaxing atmosphere.

Activities are planned throughout the year to help students become adjusted to the United States and to have enjoyable experiences here. A very successful program was begun last October with members of the Doremens Church in the neighboring Bridgeport community. Americans involved in this program have an interest in getting to know international students, making them feel welcome here, and learning something about different cultures. IIT students have participated in several potluck lunches, informal get-togethers and other events with Doremens Church members. Another program coordinated by the International Office matches international students with IIT faculty and staff members who have indicated an interest in getting to know international students.

The International Office also provides students with information about homestay programs outside of Chicago and international events within the city. Last November, for example, forty IIT students spent the Thanksgiving break as the guests of American families in downtown Illinois. Inherent in being a foreigner in any country is the need to deal with government authorities. For the international students at IIT, this means dealing with the Immigration and Naturalization Service. The U.S. government requires that all international non-immigrant students have sufficient funds to cover the cost of their entire program, attend school full-time and obtain permission before transferring to another school. An international student may request authorization to work part-time if there is an unforeseen change in his financial situation, but this authorization can be difficult to obtain. The International Office staff assists students in maintaining legal immigration status and advises on the probabilities of successfully making an application for an INS benefit. The International Office may be able to help students with problems which could prevent them from maintaining their non-immigrant status or may refer the students to other sources of legal assistance.

The philosophy of the International Office is not to attempt to solve every problem for an international student or to provide him with everything he needs in order to benefit from his opportunity to live in this country. Rather, the activities of the International Office are designed to give the student a base of information and understanding which will be sufficient for meeting basic needs and will assist him in determining how he can best use his time in the U.S. so that he will get what he wants from the experience. The International Office provides information, advice, and support, but encourages students to take responsibility for meeting the objectives which they have set for themselves.

For more information on the services provided by the International Office, visit Room 110, Ferr Hall, or call X3307.

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DR WHO FANS

DR WHO FAN CLUB IS FORMING.
THE TESH OF TECH
WE NEED YOUR INPUT.
SEND IT TO MARK NIGHTFLYER C/O TECH NEWS 5TH FLOOR MB

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Once again Warrant Reagon and his band of conservatives threaten the Constitution tree grove, four acres of cedars is one group of residents who refuse to be moved. In order to preserve this portion of the tree, a movement is being organized to save it. Professor Sherry and the residents are trying to save the area.

Capt. Chuck and Destroyer

Last issue C.C. and Sherry met the crew of the new destroyer. After the war in the Desert that lasted three months, the war has ended. The crew of the new destroyer is required to be in a new location. They are not sure whether they will be friendly or not.

M. Ohler and The People's Voice

Meanwhile, the war is over. It is time for peace. The Americans are tired of war. They want to live in peace. The war is over. It is time for the Americans to live in peace.

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You must think with your assets. You must think with your assets. You must think with your assets. You must think with your assets. You must think with your assets.

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I am the creation of the people. I am the creation of the people. I am the creation of the people. I am the creation of the people. I am the creation of the people.
"Godspell" by Tech students

By Jenny Thoris

The whimsy, fun, and light semi-rock music of "Godspell" will delight ITT alumni at a performance in Hermann Hall, May 1, 1982.

While energetic music by Stephen Schwartz and Ithereto by J. T. Thalberg and R. Matheer, the popular dance/song/mime entertainment dramatizes universal human foibles told in three famous parables: Return of the Prodigal Son, The Good Samaritan, and the Pharisee and the Tax Collector. Most famous hit-song from Godspell is "Day by Day."

Several stories told by clowns are as old as theater itself. This modern work started as a thesis for a Master's Degree at Carnegie Tech, submitted by Ithereto Thalberg as a graduate student. The seeds of the story-line and the dialogue thus soon became a Broadway smash hit when joined by the singable tunes and rhythms of Schwartz. Paced as clowns and mime are seven students in the cast of "Godspell," now rehearsing for performances to be given in Hermann Hall, April 23-May 2. Kneeling, left to right, are Bob Brown senior at Vander Cook College of Music (serving as music director of the rock show) and Maury Macenda, sophomore in Business E in middle row are Barbara Dippens, Illinois College of Optometry/Brady Hall, and Gillya Dixon, freshman in music. In back row are Robert Fowler, senior in EE, Mark Koross, freshman in EE, and Gail Simms, sophomore in Management. Absent from photo are cast members Beth Lamb, junior in music ed. at Vander Cook. Anyone interested in cast or crew participation may phone M. Dixon at 567-3353 in Main Bldg. (Room 307)

FPE student suffers concussion in professional societies volleyball tournament

by Steve Angel

A Fire Protection and Safety Engineering student was seriously injured during a Professional Society Volleyball Tournament match last Wednesday, March 24th.

The student, Steve Williams, was playing in a match between the Society of Fire Protection Engineers and the American Institute of Architects. The match was in the second game when Williams, in his role as a defensive player, jumped to make a block. He went airborne and slammed into the wall, breaking his head against the wall. Williams was immediately taken to Mercy Hospital, where he was diagnosed with a concussion. The court officials stated that Williams was unable to remember the details of the accident.

The Society of Fire Protection Engineers (SFPE) met in emergency session to discuss the incident. They decided to remove the SFPE tournament from the schedule.

Share the Cost of Living

GIVE TO THE AMERICAN CANCER SOCIETY

Fellowships Available

The Department of Linguistics at the University of Illinois at Chicago offers work leading to the MA in theoretical and applied linguistics, including an MA in TESOL (Teaching English to Speakers of Other Languages).

For the 1982-83 academic year, the Department of Linguistics will offer a generous number of Fellowships to qualifying graduate students — which will include a Tuition and Fee Waiver, plus a stipend of $1,500. In addition, other kinds of financial aid are available to prospective students.

The deadline for applications is April 30, 1982. Applications and information, write to:

The Head, Department of Linguistics
University of Illinois at Chicago
Box 4344
Chicago, Illinois 60680

Icelandair introduces new bargain fares to more of Europe.

LUXEMBOURG $499 ROUNDTRIP FROM CHICAGO

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I said, "It ain’t no good."

In our society today, with its ever-increasing complexity and mechanization, the need for people who can succinctly express complex concepts in relatively simple terms is growing greater every day.

Most students at IIT are rather proficient in the technical aspects of their fields of study, otherwise they wouldn’t be here. Many, however, are lacking in even the rudimentary skills necessary to construct a legitimate sentence.

Certainly, college is a little late to start wondering why Johnnie can barely write his name. But just because it’s late does not mean that there’s nothing that can be done.

ITt’s English Department, meaner though it is about to become, is just the place where some progress can be made in equipping our student body to face professional life.

Perhaps we at Technology News have an ulterior motive for protesting the funding cuts to the English Department. We certainly would benefit directly in terms of our writing staff if we could draw on a thriving English or journalism curriculum, but the pending cuts will hurt students and school reputation as well. As we stated, sometimes the effects of a terrible wrong are felt not by what happens afterward but by what doesn’t.

What Comes Around...
The conservative paradox

By Robert F. Mulligan, Jr.

If the word "conservative" has kept any meaning against the ravages of time, it is for individuals who seek to maintain the constancy of its meaning for some part of them. They wish to conserve the state of things as they exist, not because someone said so, but only in certain cases. Conservatives who desire a state of affairs which is presently existing, but exists no longer are sometimes called "reactionaries." The opposite of a conservative is a liberal, but liberal originally was an advocate of individual rights or liberty, but today the word when used as "conservative," or "one who favors change." Since it no longer implies commitment to liberty, a less misleading word today would be "progressive," or "liberal" (which is much more common.) Conservatives wax less change than the values which they cherish, since then between a liberal and a conservative is essentially one of degree rather than essence. The two concepts today are meaning- less in principle; however, political life is discussed today largely in terms of these empty, lost concepts. It's important that the choice we are offered, liberalism or conservatism, does not involve irrelevant choice; that is, merely a little more or less "change." You will hear many contempt- uous invectives to individual rights, as President Reagan, described as "nineteenth century liberals." This title puts them in the more fine moral, economic. They say they want to reduce government inter- feration in the economy. While property rights are a subset of individual rights, the way the language is used today, "pro- fessing" politics are just as frequently destructive of individ- ual rights as not. There is obvious hypocrisy and in- cency of thought, word and deed in politics today. Because they try to neglect the founda- tions of our freedom, the minor inconsistencies of the old liberals, who I named above, are the flaws of democracy, and they have been destroying it for 200 years. Now the situation is worse than it has ever been; our society is decaying and people look to conservatism to return our country to its former, akratic state.

Once, individual rights were the only principle of government, but at the same time, men were slaves in our country. The con- servative paradox is that conserva- tives do not understand individ- ual rights well enough to commit- tally define them. They see no conflict between a young man's right to liberty and their attempts to force him to bear a child whom she does not wish to bear. They see no conflict between a young man's right to liberty and the threat of force against him, to compel him to go to the post office to fill out a form for draft registration. They see no contradiction between their ideal- ability to liberty and the expedient fact that his life is the state's to dispose of, whatever it wants.

The cause of liberty needs to be defended from its defenders.

Jim Brann

With Ronald Reagan as president, on Monday, March 29, 1982, it seems to one of the few people who can be able to tell the truth that the American people are tired of some thing. We can state with confidence that the "we never happen again" with Reagan in the White House. A new nuclear scare that we will never again have a news-fallen saber or another saber like the one of the early sixties. He can say that with such confidence that there is never really was a fall-out-shelter craze. It was supposed to have started at the end of July 25, 1961, when President John F. Kennedy went on national television to explain to the audience the serious- ousness of the Berlin Crisis. The Russians were threatening American access to the isolated city of West Berlin. If the Russians used force to deny our rights, Kennedy warned, they would be met with still greater force. In con- sequence, he was asking Congress to shell out $93 million to provide shelter to the population against radioactivity. The following months I hope to let every citizen know what steps he can take without destroying his family in case of attack. (Of course, nothing could save the poor suckers who lived within a couple of miles of the target area, but for the people far enough away the greatest danger was the radioactive dust and debris kicked up by the explosion, a fallout-shelter could well allow them to survive a thermonuclear war.

With those few ominous words about civil defense, set against a looming confrontation with the Soviet Union, he spoke to put tidily, scared the living day- lights out of everyone. The immediate result was a frantic mass search for information on fallout-shelters and emergency supplies. Tens of thousands of Americans were surprised to see themselves become instant celebrities and in great demand as speakers, most likely for the first time in their lives. Millions of neglected pamphlets, for instance, the "Fallout Shelter and Family Food Stockpile for Survival" were distrib- uted. The government created the fallout-shelter builder as a modern-day pioneer showing the stern stuff that made America great when an American "glowed with a Miltonic brush" in his hand.

If the story of this fall-out shelter craze is a story of an Arturo in a virtual tomb for a couple of weeks while waiting for all the other fallout quickens to arrive, it all looked rather earth seemed a bit grim. Time magazine suggested decorating a shelter with some old Lord of the rings outdoor scene as a cure for cabin fever. The Library Journal recommended reading a new language book, "would be salutary (healthful), if not downright healthy." Now some of you are probably saying, "Huh, a nu- clear bomb scare seems to be the perfect time to capitalize on the fear of the masses and make a few quick bucks." I know I accosted to move above immediately. And in fact, by September 1961, a rash of "survival seminars" appeared around the country. There a home-shelter builder could buy, among other things, a variety of bowlers for forcing fresh air into the shelter, air filters ($55) to assure that the fresh air was air radioactive, and a bunch of worthless "lifesaving kits" complete with "anti-radia- tion" gill nets or "shells.

Fly-by-night shelter builders also made their appearance; in 1964 there were only forty, 47 percent of them in the whole country. Two months later, hundreds of con- tractors, some of whom had previously built swimming pools, were prepared to make a fast buck by installing badged shelter- s. Some offered prefabricated kits for "only" $2000.

But while many were talking about fallout-shelters, very few were actually building them. In fact, for every fallout bush, there were a hundred families who asked, "Why worry about war? We're all going to be dead in the first 5 minutes anyway." It was revealed that only an air-raid shelter will keep the radiation. One little hole would make a shelter worthless, so several peoples were left with $2500 concrete beehives in their backyards.

Another piece of information, originally neglected, that seemed to make shelters worth- while was that the shelters would become even if the Russians chose to explode a bomb high above the earth in a field as a test explosion. There would be little or no fallout, but rather a mighty firestorm one hundred miles in diameter, making a fallout shelter a fire trap.

Never-the-less, shelter builders were ready to protect their shelter against marauding neighbors. An Austin, Texas hardware dealer, his ninety thousand dollar home shelter just completed, told local reporters he had outfitted his specimen to house with forty in rocket in order to shoot any neighbors who tried to invade it with their rockets began to fall. Moreover, in case they jumped into his shelter before he did, "I've got a 360 gas gun, and if I fire six or seven tear gas bullets into the shelter, they'll either come out or the gas will get them.

Civil Defense officials saw no moral difficulties in that. There is nothing in the Christian ethic which denies one's right to pro- tect oneself and one's family. Said a Civil Defense official in the course of advising local residents to put pistols in their survival kits: "Needless to say, the clergy was outraged, after a while, at least. They said the shelter builder had the "morality of the corner." In life so precious," asked one, "that we must turn into savages to protect it?" The clergy had drawn a sharp line: a good Christian would not build a house shelter. Big deal! Well, with all the moral, financial and technical problems, the home shelter shel- ter turned out to be a big flop. Less than 3,500 people had built them full year after Kennedy's speech. An estimated six hundred shelter manufacturers went out of business. Some people turned their shelters into storage sheds. The craze that had never happened was over.

So don't worry. Even if Reagan does make us learn to love the bomb, I can guarantee the American people will not have a fallout-shelter craze while Ronald Reagan is President. There won't be time for one.

GET A HEADSTART IN A NUCLEAR CAREER.

Train for a career as a Nuclear Propulsion Officer in the Navy. The Navy has the most advanced nuclear equipment in the world, and needs advanced nuclear trained officers to maintain and operate it.

The graduate level training you receive in this program could cost $30,000. As a Nuclear Propulsion Officer, you'll be rewarded with increased responsibilities and promotion potential.

QUALIFICATIONS: Age—19 to 27/1 years old, Education—Working towards (or have completed) BA or B.S. degree.

CITIZENSHIP—U.S. citizenship required.

Applications may be submitted after completion of sophomore year in college. If you think nuclear propulsion is your future, then you know the Navy is the place to begin. Call the Naval Management Programs Office for more information.
"Agri-Research" is big business

This year’s series of IIT lectures on Science, Technology and Society concluded on March 25 with an optimistic look at the agricultural potentialities which remain invisible to the common man as revealed by Dr. Richard A. Lenton in his lecture entitled, “Agricultural Research and the Private Sector.” Mr. Lenton is Chairman and Chief Executive Officer of International Minerals and Chemical Corporation, a leading agricultural and coal producer. He also has served as a member of the IIT Board of Trustees since 1979. Mr. Lenton states that the private sector spending on “agri-research” reaches $2.0-2.5 billion annually. What motivated this vast outlay on R&D? Motivation is provided by the profit expectations of corporate America. The right product at the right time can make a manufacturer millions of dollars as can be concluded by a consideration of the astonishing increase in sales of Eli Lilly’s Treflan herbicide during 1981. As Mr. Lenton stated, “while almost all of the work we are discussing has social return, the thrust of what is done in the private sector presumes a reasonably controllable benefit.” Strong competition in the market also stimulates commitments to R&D.

Often new and profitable results are as a result of cooperative moves,” he extended to the lives of existing products.

There must be less attractive features of these endeavors and Mr. Lenton enumerated these and described them as he views them. There is always the present competition working on a product to render our sources obsolete. Keeping pace with new technologies to market is constantly increasing in height and number. As a result, there is less time to develop the regulatory hurdles which must be cleared in bringing a new product to market are constantly increasing in height and number. As a result, that talent which might otherwise be engaged in agricultural work must be committed to tasks such as environmental testing, natural systems, or discovering, synthetic growth regulators in the remainder of his talk upon giving us an indication of where agricultural research is going. His view was that, “the next generation of private agricultural re- search will focus on genetic improvement of crops, an selective breeding of superior organisms, and on control of biological processes.” Biological nitrogen fixation is being widely studied as a means of bringing crops the nitrogen they require more economically. Much of the nitrogen fertilizer currently applied is lost through leaching, run-off, and denitrification. Dow and Olin have introduced chemicals which inhibit the microorganisms responsible for the denitrification process. The search for growth regulators, natural or synthetic compounds which control plant growth and development, is the focus of major research efforts. Some efforts are examining applications of genetic engineering, modification of plant architecture for more efficient photosynthesis, bio-processing to convert ammonia raw products into edible products for human or animal consumption, and better plant and animal pest control strategies utilizing insect-resistant plants. This list represents only a token sampling of the projects discussed. The message in Mr. Lenton’s presentation is well summarized by a quote due to Dr. Don Schneider of Purdue with which Mr. Lenton closed. “It is a time for hope...we are the first generation of farmers with the capability of banning hunger. We will earn the thanks of future generations to the degree we perceive and act on this fact.”

Campus crime statistics revealed

By Lisa Anke and Sanjoe Chada

A Campus Security Meeting was held in the IUB on March 23 to discuss the agenda for the next meeting including an update of the parking situation and a general report of campus crime.

To relieve the parking prob- lem a long-term plan of repairing and recycling will be initiated in all lots. Of immediate concern, however, were the parking prob- lems expected to peak in the coming months. “It has always been a problem to keep the White Box fans out of the IIT parking lots,” commented Commander Hughes.

With the first games of the season already sold out, the campus police intend to post a patrolman at all entrances to IIT parking areas. It was also men- tioned that all those wishing to invite guests to a 303 game or just to visit the campus should apply for a temporary parking permit from the campus police.

The broader issue of general campus security was discussed, using statistics gathered by the campus police. These showed a decline in the crime rate over a similar period last year. For example, five incidents were reported, including one student arrested by federal agents for drug trafficking. A list of duties performed by the campus police is interesting:

1. Assisting 106 times in trans- porting handicapped IIT mem- bers, in big, in big, in floor, in floor, etc., as well of campus

2. 8.763 persons took part in the IIT bus service offered, not including the handicapped people counted on the special bus runs requested five times this month.

7. Numerous autos were relocated without charge during snow removal operations. All efforts were made to locate and notify owners of snow removal operations problem vehicles before any tow was implemented.

8. Attending court hearings of offenders arrested on IIT property.

9. Of the five incidents reported in February, one was of a felonious nature and involved an IIT graduate. Thirteen incidents were listed as misdemeanors with two of the thirteen involving students. Only two incidents in campus residences, one resulting in an arrest, were listed in the offense report.

Some participants at the meeting asked the question of stone throwing and cases of felonies by local school children. Commander Hughes noted that in the presence of the problem and stressed that there was not much he could do about the matter. It appears that a handful of students of the Douglas School, in the age group of eleven to fifteen, have been involved in the above mentioned incidents. Reported meetings with the school principal and the Chicago School Principal had only resulted in aggravating the school children. Patrol persons were posted at the corner of 33rd and Michigan, but there was no way by which access to these students could be barred, as the streets are public property. All efforts are made to be sure that nothing is not unnecessarily aggravate the kids and to report any incidents immediately to the police.

New Union Board Officers

By John M. Gronovose, UB President

The Union Board at the beginning of the Fall 1981 semester was faced with losing 1/3 of its newly appointed members during the summer due to co-op jobs, lack of money to attend school and class load problems. The Union Board has overcome these initial problems and got the word out to recruit new members for the Board. The applications re- ceived for the 1982-83 Union Board exceeded last year’s num- ber. These applicants were a wide mixture of students representing the residence halls, the commuters, and the fraternity system. All applicants were people of high quality and a commitment to student activities and in the final analysis to Burlington. However, it is unfortunate that all applicants could not be given a position on the Executive Board of the Union Board, but we feel that these individuals will continue to show their interest by being involved with the various committees. It is the committee people who are the life blood of the Organization and I encourage all interested people out there to join the bandwagon and join UB. The Nominating Committee for the New Union Board consisted of 9 people from the various areas of Campus Life.

These people are:

Dean, Dean of Student Life: Russ Johnson, UB Director; Gretchen Metcalfe, Assistant UB Director; Wallace Goode, Director of Student Programming, Mark Lower, ATS Treasurer; Leah Dorsey, ATS Representative; Greg Hammer, UB Executive Vice-President; Mark Kallman, UB Film Director; and myself, John M. Gronovose, UB President.

It was the job of this committee to select the students whom they feel are most qualified for the respective positions. After many long hours of interviews, discussion and heated debate, the results are in and congratulations are in order for the New Student Union Board: Steve Angel, President; Sylvia E. Agan, Executive Vice-President; Lou Helmya, Vice-President-Finance; Tom Schmitz, Executive Vice-President-Relations; Norman Ma, Executive Secretary; Edmund Tamburini, Assistant Treasurer; Jeff Pedderke, Films Director; Patricia Stuchi, Hourglass Editor; Nick Pascault, Assistant Hour- glass Editor; Sig Honn, University Concerts Director; Christopher Tuttle, Mini-Events Director; Jeff Faase, Assistant Mini-Events Director; Gail Sims, Visual Design Director; Harold Henina, Special Projects Direc- tor.

Congratulations to these students on their appointments to the Union Board. On behalf of the entire Selection Committee, I wish all of them the best in the upcoming year.
OK, now that we have your attention...

The Technology News Challenge

This week's prize provided by the Bog

Puzzle Ten

The equation

\[ x^2 = 618 + y^3 \]

has a solution \( x=31, y=7 \).

Find another solution where \( x \) and \( y \) are positive integers.

All entries; accompanied by name, phone, and address; must be turned in by noon, Friday, April 9, 1982.

Solve it and you could win a $5 purchase from the Bog

Solution to Puzzle Nine

Since no correct answers were received for Puzzle Nine, the winner (by default) is Brooke Shields.

The prize must be claimed by noon, Friday, April 2.

Announcing the debut of the Anti-Technology news Challenge next week. Don't miss it!!!
Two swimmers to be inducted in Ecko Pool Hall of Fame Gallery

By Willy Loman

Bill Pezzullo, co-captain of the year's swim team because the team's all-time scoring leader with 875 points over the last 4 seasons, will be the first inductee in the record of Tim Wiener (1980) who held the former record of 872 points. Pezzullo was the former team captain in a single year but was 5th high scorer as a freshman in 1977-78. As a senior major with 207% points again, and second highest scorer in a senior year with 233 and 227 points respectively.

Pezzullo's four years on the squad saw the team winning 34 dual meets, while losing only 14. He qualified for the NAIA national.

Spring break baseball record 3-5

By Craig Musson

University of St. Louis season opened.

For the first contest of the season the Scarlet Hawks were impressive, with some tough playing, and hard nosed pitching.

In the first battle against University of Detroit, Scarlet Hawks senior hurler Clarence Rak went the distance, stifling the Cougars bats after a rough 1st inning. But Tech was unable to give him the needed run support, as the Scarlet Hawks bats were virtually silent. It was a tough 8-2 loss to start the season.

In game two, the Hawks bats came alive. The Tech scoring was highlighted by a Mark Bajenski solo home run blast, and a pair of hits each for freshmen Mike Carpinelli and Paul Ruppert. On the mound for the Hawks, sophomore southpaw Andy Zillis pitched his heart out, but the Cougars bats could not equal him. Tony Albano relieved Zillis, finishing the contest which saw the Hawks win 6-5.

In game three, the Hawks bats were shut out, but the Hawks pitching was dominant. Senior Captain Tony Bajenski blanked Tech 3-0, with 9 hitless innings, including a no-hitter.

The Scarlet Hawks responded to their day's setbacks with a resounding win in the first game against Maryville College 11-7. The Hawks scored 3 times in the top of the second, when Mike Ivanovich, John Hendelbin and Mike Carpinelli scored on a single by Paul Ruppert followed by a Maryville two-base throwing error. They added 3 more in the very next inning when John Klauss scored a single up the middle and designated hitter Dan Stronberg and 1st baseman Frank Ricardini doubled consecutively. Mark Wawryzynak was virtually untouchable on the mound for the Hawks, picking up the win with help in relief from Greg Petrovsky and Tony Albano.

Shawn Pavlick was the Scarlet Hawk star in the second contest against Maryville, allowing just two runs and six hits in seven innings, but the Hawks were simply bafled at the plate. Only centerfielder John Klauss with two hits and shortstop Mark Bajenski with a single could produce with the bat. The Hawks matched only one run, losing the contest to the middle of the seventh, 2-1.

In the first encounter with SIU-Edwardsville Pete Vaitamait highlighted the Hawk performance with a 1 hit , 1 unearned run performance for the first 4 innings. Tony Albano appeared in relief and was equalily effective.

But with fog, rain, and a chilling wind, the Hawk bats were cold. They dropped a heart breaker 3-1.

The second game was much the same story with Clarence Rak pitching brilliantly, but a SIU no-hitter assured the Cougars a 4-0 victory.

The Hawks made it a successful trip with two crushing victories over Washington University of St. Louis 5-4 and 7-3. "Hitman" Dan Albano was one of many hitting stars, collecting the game winning shot in the 8th inning. Frank Ricardi began the barrage with a base hit to right center field, the deepest part of the Washington Stadiium, to put the Hawks on the board in the 2nd. Ricardini, John Klauss and Mark Bajenski each collected 2 hits and Ricardini and Bajenski had 2 RBIs. Consistent defense by the Scarlet Hawks, and another tough pitching performance by Andy Zillis, Mark Wawryzynak, and Tony Albano, who earned a save, gave the Hawks their second win.

The Hawks continued their hitting ways in the second game, collecting 14 hits for good 7 runs. Dan Albano was fabulous with the glove and bat, going 3 for 3 and picking up another rbi. Frank Ricardi and 3rd baseman Craig Mossman each had 2 hits while John Klauss scored 2 runs and was spectacular on defense in center field. Fielder Paul Ruppert got 2 hits before a dislocated finger forced him to leave the game. Mike Critch filled Ruppert's spot and collected a single as well. Albano was credible with the pitching victory after an impressive showing by Gregg Petrovsky and starter Stan Powałka.

Overall, the trip was successful as coach Darrah reflected, "Three and five doesn't sound as good as five and three, but we've played tougher competition and we're well prepared for the season." The Scarlet Hawks showed good consistent defensive play and the pitching staff may be as strong and deep as ever before. The team is enthusiastic about the season and hopes to surprise a lot of people with excellent play this season.

'82 Men's tennis - unbeatable?

By Diana Mc Kay

It's that time of year again and the Missouri State Tennis Team is once again preparing for what they hope will be a successful season. Competing with a 9-3 record, the Hawks, under the direction of Coach Chris Meyer, are looking for their first win of the season with five out of six starters returning to lead the team.

They played their first match of the year over spring break against OUevem University and, according to Coach Chris Meyer, the contest was close with a 6-3 victory.

Winners in the singles competition were seniors Jim Muraida and Tony Frierson, who played the 3,4 and 5 positions. Freshman Justin Wills won the singles match.

Together the top two players, and Bob Serbetski, the number six player, also competed well but were defeated in close matches.

Reflecting on the spring break competition, Coach Meyer stated, "I was pleased with our performance. The doubles played well. Overall, it was a good trip, but I was disappointed that our match with Milliken was rained out."

The players also showed some strength in their doubles play when they teamed up to take all three matches. One of the Hawks' doubles teams improved as they played their doubles teams since most of last year's matches were won on the singles performance.

Looking ahead, Meyer commented, "Of course anything can happen, but if there's a year we can do it, it should be this year."

Still, it will be difficult to fill the shoes of last year's number one player, Norm Peterson even though the experience of the returning starters puts the team one step closer to a first place finish in this year's conference.

The fact that last year's tough competition against St. Francis and Northeastern lost almost all of their starters, puts the Hawks in a much better position to come out on top.

In addition, the team also has its sights on winning the Missouri Valley College Tennis Conference, of which Coach Meyer is the director this year. Last year the Hawks placed second, but since a member

Continued on page 8.