Computers mimicking human analysis
Dr. Wojcik researching automated computer design

By Raymond J. Rueb

Computers design themselves. They already do, or at least they help a lot.

The automation of the design of Digital Computer Circuits is an important area of research in artificial intelligence. This is a monumental task with many associated problems. Some of the more basic problems will be outlined in a short talk to be given by Dr. Anthony Wojcik, Chairman of IIT's Computer Science Department.

The talk is sponsored by the IEEE.

"For several years, I have been involved in a research project that has concerned with the design of multi-valued logic circuits." Dr. Wojcik said his primary goal has been to develop automated techniques to design these circuits. For four years Dr. Wojcik's research team believed in the use of a computer-aided design system called "Computer Architecture Design." The system is described as the first design system to be implemented on a large computer. As well as being outlined in the talk automation of design techniques breaks down into two areas: 1) automation of the design itself and verification of logic designs that Dr. Wojcik will be discussing in detail. The computer-aided design system is the obvious reason behind work in this area. The verification process helps to locate and avoid costly mistakes in design.

Logic Verification and theorem proving techniques are viewed as essential to any design, that they are being built into the highly advanced "Fifth Generation" project as an integral feature of the system. The verification portion of the research is as subtle as it is important. For example, one use to verify that two systems will perform as expected when they are combined. If a proven software system is used with a new computer architecture, Verifica
tion is seen as an important tool for this purpose.

The right now, most of the work of Computer Architecture Design is done on computers. Some is being done by computers. Using the types of systems Dr. Wojcik is researching, computers will begin to mimic the way humans analyze problems. "Expert systems already help to design and verify new systems." One day, when some more of the problems have been solved, they will.

1983 worst employment market

(CPS) - When it comes to getting a job, Grambling
Placement Director L.B. Smith has one short piece of advice: "You don't want to be a college graduate in 1983."

Nineteen eighty-three has been "the worst employment market in my 25 years in the profession," adds Victor Lindquist, placement chief at Northwestern, and director of the annual Endicott Report of how students around the country are faring in the job market.

Although graduates of two-year colleges may be a little more successful this year in finding jobs than their counterparts at four-year schools, colleges around the nation are seemingly unanimous in calling this the worst job market within memory for all college graduates.

"As a rule," what these schools, as well as many of the firms that normally recruit on campus failed to interview students this year. Nationwide, job offers to all spring graduates fell by 17 percent from 1982 levels.

Even engineering and computer science graduates who typically were finding six or seven job offers just a year ago, now have gotten 12 percent fewer offers than the Class of 1982.

"Officials say things may be getting worse in the short run. Job offers so far to four-year college graduates down an average of 34 percent since 1982."

"Oddly enough, liberal arts majors are the only four-year campus graduating doing better this summer and fall. This year they've entertained 10 percent more offers than the Class of 1982. Starting salaries for humanities majors rose 7.6 percent, a College Placement Council (CPC) campus survey revealed.

"Engineers majors continue to attract the highest starting salaries and the most number of job offers, but nowhere near the heights their predecessors achieved in the late seventies and early eighties."

"Businesses have made 42 percent fewer offers to them, the CPC reports. And while the $26,726 average starting salary for chemical engineers ranked second only to petroleum engineers' $30,771, the 12 percent lower than 1982's average figures."

According to Northwestern's Endicott update, the number of college graduates hired has declined a whopping 41 percent in the last two years.

Corporate recruiters, moreover, report their campus interviewing is down 62 percent in the same period.

"Grubbling's Smith says only about 55 percent of his school's

College grad glut

Palo Alto, C(CPS)-The job outlook for college graduates "appears bleak" for the rest of this decade, according to a new Stanford University study of the long-range college job market.

"Although the number of jobs which require a college education is holding steady, while the number of service and clerical jobs is expanding. There's already a glut of college graduates in many fields, Rumberger points out, and soon even high-demand majors like engineers and computer science graduates will be competing for fewer and fewer job openings."

"We're simply producing graduates faster than the economy and the job market can absorb," he explains. "And the number of people who will hold college degrees, I see a larger number of college graduates who will be over-trained and not able to get upper-level jobs."

Tech Entrepreneurs meet

The IIT organization, Tech Entrepreneurs, met for an initial organizing meeting on Thursday, September 15, 1983. Officers elected were: Joel Steinwold, President, Robert D. RA, Kurt Gunther, Vice President, J. Robert Wood, Secretary-Treasurer, EE.

Meetings were scheduled for every other week at noon to 2 p.m. on the following Thursdays: September 15, October 12, October 27, November 10, and December 1. The first three sessions will deal with starting up new enterprises. Subsequent sessions will explore venture capital acquisition by entrepreneurs and the marketing of new ideas, products, processes, and firms. In each meeting, questions about sensitive career strategies for entrepreneurial individuals will be discussed.

Tech Entrepreneurs provides an organizational home for IIT students interested in entrepreneurship and a forum for discussing entrepreneurship.

Faculty advisors are Richard A. Rettig, Professor Social Sciences, and Douglas J. Cork, Assistant Professor of Biology.

All interested IIT junior, senior, and masters students are invited to attend. Meetings will be held in Hermann Hall. Call Dr. Richard A. Rettig, 567-8329, for further information.
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Submarines

Hamburger
Double Hamburger
Cheeseburger
Double Cheeseburger
Pizza Slice
(Choice or Sausage)
Clams — Oysters
Sweet Corn
French Fries
Tamales

Any Sandwich available with Parmigiana Cheese
Gardiners, Sugar or Hot Peppers

Royal Crown
Upper 10
Diet Rite
Nahi Orange
A & W Root Beer
Lipton Ice Tea
Nahi Grape
Milk
Tea
Coffee
Espresso
Imported & Domestic Beer
and Wine

Lemonade
Watermelon
Cantaloupe
Strawberry
Pineapple
Pina Colada

italian icees (seasonal)

Here it is, what you've all been waiting for! The return of...

The Technology News Challenge

This week's prize provided by the Bog

Official Contest Rules

1. The contest is open to all members of the IIT community, including students, staff, faculty, and affiliates.
2. All entries must be turned in to the Technology News office (3rd Floor) by noon on Friday following publication of the puzzle. From the correct entries received, two winners (1st and 2nd place) will be drawn.
3. Winners will be notified by phone or mail, and announced in the issue of Technology News following publication of the puzzle. Prizes must be claimed in the Technology News office by noon Friday of that week, with one week in which to redeem the prize.
4. Members of Technology News and employees of the prize-funding organizations involved are not eligible to enter this contest. Decisions of the judges are final. Only one entry per person per puzzle is allowed.

Puzzle One

A circle K of radius 3 has its center at the origin. At the point (0,6) there is a light. A point P on the circle is initially at (3,0) and begins moving clockwise on K at time t equals 0 at a constant rate of 2 revolutions per minute. During what time intervals in its first revolution is P in the shadow of K?

All entries, accompanied by name, phone, and address, must be turned in by noon, Friday, September 30, 1983.

Solve it and you could win a $5 purchase from The Bog
Changes made in Pro. Eng. examination dates

Forty-eight states and territories of the U.S. have enacted legislation whereby through a central committee of education, experience, and examination, College-age unemployment high

Unemployment for college-aged people has soared to an all-time high in 1982, a new U.S. Department of Labor report says. It notes that 25,000 college students aged 16 to 24 who wanted work couldn’t find any in 1982, the Bureau of Labor Statistics says. The 11.7 percent unemployment rate was up from 1981’s 10.1 percent rate for all people in the 16 to 24 age group. The report notes that for all age groups, the unemployment rate was 14.3 percent in 1982, up from 10.7 percent in 1981, the bureau says. In a written summary accompanying the report, the bureau observed that students normally suffer a higher unemployment rate than nonstudents of the same age, but that because "of the sluggish economy," nonstudents for the first time had a harder time landing a job. Even among students, the unemployment rate was worse for minorities than for whites. Almost 37 percent of the nation’s black students were out of work in 1982, up from 35 percent in 1981, the report found. The Hispanic student unemployment rate was 21.7 percent in 1982, up from 15.5 percent in 1981.

College age reads glut job market

continued from page 1

more graduates than the labor market can absorb, and it’s going to get worse. Many graduates, particularly those who majored in arts and humanities, say they are over-qualified, they predict.

It’s "not necessarily true that those people will earn less money, but they will have lower-level jobs." College graduates currently earn an average of $60,000 more than high school graduates, Rumberger says, and for those lucky enough to find jobs in their fields a college degree will still be necessary. It’s "not discouraging people from getting a college degree," he adds. "For students who do go to college, they still have a better chance of getting a better, higher-level job. I don’t think there’s also a good chance (they won’t)." Consequently, "it’s more important than ever to pick a major which is in high demand. A college degree by itself just won’t mean much." Still, predicting the job market for graduates is an "impossible" task, Rumberger says. "I don’t think we’ll ever be able to word it better than you who are over-qualified, they predict.

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1983 worst employment

continued from page 1

spring graduating class has found jobs. At Oregon State University, "We’re worrying of all this talk of recession, layoffs, no new jobs, no new policies," says Mary McBratide, associate placement director. "The doors aren’t swelling open here."

Oregon State’s picture: 36 percent fewer graduates than the labor market can absorb, and it’s going to get worse. Many graduates, particularly those who majored in arts and humanities, say they are over-qualified, they predict.

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announcements

Sign for you loans

Any student with either a National Direct Student Loan or a Institutional Loan must sign for their award by October 11, 1993 or it will be cancelled. Student Loans may be signed in the Student Loan Office, Main Building, 4th Floor.

C.S. students, unite!

The Computer Science Department and the IEEE-Computer Society invite you to a Meeting for all CS students! 12:30 p.m., Thursday, September 22, Stuart Auditorium (Room 104). Speaker: Dr. Anthony Wojcik, Chairman of the Computer Science Department "On Automation of Design Techniques for Digital Systems." Refurbishments.

Spyro Gyr tickets

Tickets for Spyro Gyr will go on sale Friday, September 23 at 10:00 am, at the HUB box office. The limit is four tickets per student with ID’s. Ticket prices for students is $7.00 and $10.50 for the general public. Tickets are also on sale at Ticket Master outlets.

AIAAE—Hot dog!

The American Institute Aeronautical and Astronautical Engineers will be having a hot dog sale on Wednesday, September 21 from 11:00 until 2:00 pm, on the north sidewalk of the HUB. Hot dog condiments will be available for your taste. Cake and/or coas will also be served, depending on the weather.

Frooble films

"Giant," adapted from Edna Ferber's Texan novel and starring James Dean, Gregory Peck and Clifton Huxley, will be the "Master Films" presentation for Friday, September 23 in Lewis Residence Hall Lounge. A frooble!

Chem Eng break

The American Institute of Chemical Engineers is holding its Diamond Jubilee Symposium on Wednesday, October 12, 1993 at 8:00 p.m. at McCormick Inn, Chicago. IIT's own Chemical Engineers Department Chairman, Parth P. Nizam, will be one of the speakers in the afternoon session. “The topic of the evening program is 'Chemical Industry Faces the '90s: Stability or Crisis Management?'”

Special rates for students apply: two dollars for symposium admission and ten dollars for the benefit. Call Jim Karrer at General and Associates at 416-3223 for reservations and additional details.

Care for your car

Car Care Workshop Tuesday, October 4th, at 12:30, Owen Hall, the IIT Service Station Manager, will be offering a repeat of the Car Care Workshop at the Service Station. Instruction will be given in winterizing your car, changing your oil and filter, changing tires, and many more self-help maintenance procedures. Sign up for the workshop at the Dean of Student Life Office by September 30th.

Cindy will teach you

In its continuing efforts to promote deaf awareness, Channel 20-TV, Chicago's new PBS station, will feature "Signing With Cindy" this fall. The series is designed to teach sign language, the third most used language in the United States. Selected previews will air on Channel 20UHF during Preview Week, beginning August 22.

See exotic plants

"Plants of the World," the largest museum exhibit anywhere devoted solely to plant life opens Saturday, September 24 at Field Museum in Chicago.

Through a magnificent collection of plant and flower models, the exhibit offers a three-dimensional look at the science of Botany, from algae, the simplest form of plant life, to seede, the most complex.

Filling one entire wing of the building, "Plants of the World" reflects nearly a century of botanical research at Field Museum.

Highlights of the exhibit is the unparalleled Stanley Field collection of 300 plant models. These unique models were developed to present the plants in native surroundings, something previously considered impossible in a museum setting. The plant model ranges in size from tiny seeds and delicate buds to the 7-foot high and 8-foot-wide cannon-ball tree. More than 80 families of flowering plants are also represented through the models.

Information on the opening day activities for "Plants of the World" is available by phoning the Museum's Education Department, 332-332-8584.

The Museum is open daily 9 a.m. to 5 p.m. Admission is $2 adult, $1 family, $1 for children 2-7 and students with I.D. Senior citizens are admitted for 50c. Thursday is a free day.
Pooling it

Car-pool registration cards are available in theDean of Student Life Office. By registering for the pool you are saying yes you want to contact other persons who live in your zip code area. You don't need to own a car to be in the pool program. A car-pool’s meeting will be held on October 8th at 12:30 in the DOSL office to provide you the opportunity to examine the cars and meet others who have signed up for the pool. Prize prizes will be awarded.

Stud. org. reg.

Please pick up your student organization registration form from Mrs. Gardner in the Student Life Office. Officers names and other pertinent information is needed. Deadline for registration is September 23rd. Any groups not registered by this date will not be considered active and will be unable to receive the benefits available to groups listed as active.

Jazz it up

The Chicago Park District will open its Fall Jazz Workshop program at 9 parks throughout the city starting October 3 for beginner and intermediate level musicians.

The workshops meet once a week for about 1 hour, provide an excellent opportunity for musicians to develop their instrumental technique and learn how to play in big bands and combos, said Dean Goldberg, Music Supervisor for the Park District.

Typical sessions help develop skills in reading music charts, playing chord progressions, jazz phrasing, interpretation, and analysis and improvisation.

The workshops meet from 7 to 9 p.m. on various days depending on the park. Students must bring their own instruments. For more information call the Park District.

A new machine

Subject: "New Accelerator Developments and a 20 TEV Machine"

Speaker: Dr. Russ Hinson, Form 1 National Accelerator Laboratory, Time and Place: Wednesday, September 21, 1983, 4:00 p.m.

Siegler Hall, Room 710

Panel Discussion: Social Conference Room, Siegler Hall, Room 202, 3:30 p.m.

All that jazz

The JT Jazz Bands are looking for new members. Requirements are the ability to play a brass instrument, trombone, trumpet), or rhythm instrument (bass, piano, drums), and to read music.

The bands play concerts, give clinics and rehearse every week. It is an excellent outlet for those involved in jazz.

Interested persons should contact the Director, Neil Dulaun, at 778-5052 or leave a message at the main office.

HP operates on the premise that people should enjoy getting up in the morning

Quality people equal quality products.

That makes sense. And it has certainly proved itself at HP. We've grown to have more than 200 offices and plants around the world. That means we need a lot of excellent people to fill diverse, challenging jobs in our various divisions, making computers, components, and instruments for engineering, science, medicine and business.

But even with our size and steady growth, the importance of the individual has not diminished in the least. This personal concern is summed up in a simple term: the HP Way. It covers everything from flexible work hours (HP was one of the first companies to let you pick your own schedule) to our Management by Objective. This basically involves setting a goal and giving you the responsibility for getting there, in the way you think is best.

To keep things on a human scale, we decentralize everything we can. Whether you're in R&D, field sales, manufacturing, marketing, administration or service, you'll be working in a small group.

You get all the other benefits, too.

Obviously, you're not in this solely for the enjoyment. So we offer excellent pay and benefits: additional courses and help in continuing your education; the opportunity to work in some of the most pleasant parts of America and the world, and a genuine chance to grow in a career that will be a constant challenge to your ingenuity. For example, HP is the only company that has made a large-scale commitment to Silicon On Sapphire IC Technology. When we like an idea, we go for it!

A chart to go by (or not to go by)

To get a better idea of the opportunities here, you might want to check out this job chart.

Then check with the college placement office. We'll be on campus the week of Oct. 10 to talk with you about potential positions.

Valuable

The next Chicago Comic Book Minitel will be held Sunday, September 25, 1983 at the Americana-Comicon Hotel, 5246 Michigan Avenue, in downtown Chicago. This event will kick off the ninth year of operations for the Chicago Comicon organization.

The Minitel is a gathering of regional, comic book fans, dealers, and artists. Among the featured items for sale will be rare old comic books, original art from comic books and strips, and limited edition proofs and books. Many dealers also have on hand Dr. Who merchandise, science fiction and pulp books, movie posters, and old keys. There will be over 100,000 items in all available for sale, offered by more than 300 different dealers.

Doors open at 11 a.m. Admission is $3. At the door, and the event is open to the general public. Over 500 people are expected to be in attendance.

You can get more information on the Chicago Comic Book Minitel by calling Larry Chart at 274-8023 or the Minitel hotline at 743-4493.
Wanted:
Hard Rock/Heavy Metal
Power Drummer

Into Rush, UFO, Scorpions, etc. Must have transportation or practice space for band. Call Mark (before noon) at 229-1006 and leave name and phone number.

Technology
the Future
and you

"Leadership Challenge to the IIT Student"
A Fireside Conversation with Dr. Richard A. Rettig, Chairman, Department of Social Sciences on Thursday, September 22 at 2:30 pm. in the Hermann Loung in the HUB. Social hour will start at 12:00 Noon.
Chaos reigns supreme

Jim Brantit

For a record moment there, I feared that order might grip the universe. After all, everyday science has found order in the atom, and order in the universe beyond. But just to relieve the boredom, Nothing less will do.

Second, order is very predictable. It doesn't have any room for improbabilities; and improbabilities are what make life interesting. For example, it is highly improbable that I have this afternoon. Jane Seymour will be waiting for me in a BMW M3, ready to take me on an all expenses paid tour of the world. In an ordered universe, some sort of scientist would tell me, "Listen, Jane Seymour doesn't even know we exist, therefore, according to the order of the universe, your fantasy is not just improbable, it's impossible. Jane Seymour will never be waiting for you in a BMW M3." That is a pretty depressing thought.

But, in a chaotic universe, my fantasy, no matter how improbable, could still happen. All the hope that it will happen is what keeps me going. (Actually, that's an even more depressing thought.)

In any case, I no longer fear that the universe will be reduced to order. The events of the last few weeks have convinced me that even if there is an order to the universe, man will screw it up. People will always, forever and ever, break the rules.

Just to relieve the boredom, Nothing less will do.

The first event that led to this theory was the Korean Air Lines Massacre. This incident broke one of the most fundamental rules of order that until now was thought to be unbreakable: when you're going on a vacation, you will not be shot out of the sky by a heat seeking missile. No one knew why exactly this is a rule of order; it just always seemed like a good idea that it should be a rule of order. Nevertheless, the Russians broke this rule and were sent to bed without supper.

Also, the forces that are supposed to enforce order are getting pretty chaotic lately. For example, it was revealed recently that the FBI kept an extensive file on Albert Einstein. Two reports in the file in particular were very interesting. One said that Einstein was secretly buying up all the movie studios in Hollywood in an attempt to take over the town. A second report came from an informant that said that Einstein had developed a machine that could control minds. The FBI finally dismissed the report when the informant revealed he was under control of the machine. After all, if he was under Einstein's control, the FBI couldn't be sure that Einstein wasn't using him to feed them false information.

Finally, religion - the prime mover of chaos - is acting up again. Lately, a recent Gallup survey says that fifty-six percent of Americans rely on God more now than they did five years ago. The survey also revealed a 2:1 conviction that religion, rather than science, can solve the world's problems. This survey is further proof that the world is getting more chaotic and that people will always bend order.

But thank God for religion! Without it, perfect chaos would be impossible. For example, a religious sect was recently formed that believes that marijuana is the blood and flesh of Christ. This makes perfect sense to me, but then think of it from the marijuana's point of view. (You'll have to smoke it first.) Chaos, man.

And the following religious practice is possible in an ordered world! I doubt it. A Hasidic Jewish rabbi in Highland Park has received an age-old ritual performed during the week of Rosh Hashanah and Yom Kippur, involving a live chicken. The ritual begins with a prayer: "Children of man, what are in darkness and the shadow of death, bound in misery and chains of iron-He will bring them out of darkness and the shadow of death, and will suffer their bonds." The prayer reminds people of the suffering in the world and the need to end it.

While the prayer is said, a live chicken (a rooster for men; a hen for women) is waved over the person's head. The chicken, sometimes replaced by a wad of money in a modern-day version, symbolizes man. Because the chicken is destined to be slaughtered at the end of the week, its coming death is known, and wailing over the person is a symbolic act to sorcerous reflection and introspection on pain and suffering. The theory is that the person will feel with the chicken and pray that God should avoid pain and suffering in the coming year.

And why would this ritual not be possible in an ordered world? Because a chicken would not be possible in an ordered world! These little peckers are too unprincipled and anarchistic to obey any order. Just look deep into their eyes and you'll see what I mean.

Therefore, in conclusion, sum ergo omnium, chaos reigns (if you need any further proof, just re-read this article), and I am happy. Now I have a chance to meet Jane Seymour.
Prescription drugs and you

Healthful hints from E.T.

By Ernie Talarico

In this column, I will answer some common questions concerning medication you are taking:

1) What if your friend had what seems to be the same illness and she offers you some of her leftover medication that worked well for her?

Don’t take it! Never exchange medication, no matter how similar your illness may seem. Her prescription was written for her on the basis of her age, weight, and physical conditions. Only a doctor can determine what medication is best for you and how often and how long you should take it.

2) What if you go to another physician and he prescribes another medication for you?

That’s fine, but tell him about any medicines you are already taking. Some medicines may interact when mixed together in your body and interfere with therapy. Make sure that each medication is included in your medical record.

Medical science does not expect any medication to be 100% effective for 100% of the people who use it. If you have followed your doctor’s instructions and you don’t feel better, contact your doctor. He may discover improvements in your clinical condition that you are unaware of.

4) What if you start feeling better after the first day or two on your medication?

That’s great! But, continue taking the medication as instructed by your physician. This is most important with antibiotics used to kill harmful bacteria. Bacteria which haven’t been killed because treatment was stopped too soon can thrive and cause a flare up of your original infection.

5) What if you know you are to take your medication three times a day but aren’t certain as to what times it should be taken?

By all means, ask your physician or pharmacist to explain it to you. Whenever possible, your physician will write your medication schedule into meal time. Timing can have a strong effect on the success or failure of certain medicines.

6) What if your medication seems to make you drowsy or less alert?

Some medicines may cause temporary drowsiness. If this persists, or seems unusually severe, consult your doctor. Take care when driving or operating machinery. Also, try to avoid alcoholic beverages which may increase this effect.

7) What if you can’t remember whether you have taken the last dose of your medication?

Don’t try to catch up by doubling the next dose. Contact your physician and follow his instructions. Bear in mind that what he tells you in one situation may not be the same case at other times.

Hopefully this has answered some of your questions. Perhaps it is now clearer as to how you can use the medications prescribed by your doctor to your best advantage.

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GENERAL DYNAMICS

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OCTOBER 18 & 19.

September 19, 1983

Make Money!

Tech News

needs: reporter-$90 per column inch Photographers-$4 a photo Layout personnec-negotiable

Students beat back drinking age hikes

(CPS) — Students opposed to raising the legal drinking age in their states have apparently won most of their legislative battles this spring, according to a review of various legislatures around the country.

"It looks like it (the drinking age hike bill) has been pretty much held off for now," says Bob Biggeman, head of the State Student Association in Washington, D.C., an organizer of various state efforts to keep the legal drinking age under 21.

Twenty-eight states and the District of Columbia entertained bills to raise their drinking ages this spring, but so far only Virginia and West Virginia actually have passed new drinking age laws says Mindy Guyers, who tracks such legislation for the National Conference of State Legislatures.

Legislatures in Colorado, Florida, Georgia, Hawaii, Idaho, Kansas, Mississippi, Montana and South Dakota have already either defeated or have left their drinking age bills in limbo for this session.

This means students concerned about the drinking ages have been going on for several years, but achieved new momentum this spring after Reagan cabinet members urged all states to raise their legal limits to 21 years of age.

At least 20 states had already raised the legal limit for some kinds of wines and liquors before this spring.

Some 20 states still let 18 year olds drink alcoholic legally.

The impetus to toughen all liquor laws — a large number of individual colleges have adopted stiffer off-campus drinking policies during this school year — got even stronger when the National Institute on Alcohol Abuse and Alcoholism said it had discovered the number of alcohol-related injuries declined in states with "Students aren’t saying they’re in favor of DWI (driving while intoxicated)," says Biggeman, who worked with student lobbyists in Georgia, Kansas, Florida and Wisconsin.

"We’re saying we’re in favor of continued page 5
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Art corner . . .
Chicago Artist, BOB SPERO, born in 1936 is a self-taught metal sculptor, working in varied metals including gold, silver, bronze, steel, copper and glass. SPERO has been welding for a period of wall over twelve years and has won numerous awards for his distinctive designs and outstanding work. The artist's work is in private collections as well as in the offices of many corporations.
SPERO travels extensively for approximately five months of the year throughout the country of Mexico. His work is displayed in galleries in Mexico and the United States, including Arizona, California, Kansas, Las Vegas, Michigan and Wisconsin.
There will be a reception for Bob Spero on Monday September 26 from 5 to 7 p.m. in the gallery lounge.

Man Over Union Board
Dear Boat Trip Participants:
It was a real pleasure for the Union Board Staff, Dean of Student Life Office, and myself to accompany you on your journey through the cool, crisp waters of Lake Michigan. Even though the weather turned nasty on the way back, we did manage to enjoy the scenery, the boat's atmosphere, and the beautiful Chicago skyline. I hope that you had the opportunity to meet the UB (Union Board) Staff, the Assistant Deans (Bob Morgan and Janice Dawson from the DOLM, Dean of Student Life Office) and Joe Baimolie from the Recreation Center.
I hope that you enjoyed yourself on the Midnight Cruise and that you'll climb aboard the UB ship to help produce and develop quality entertainment; that's what UB is all about. If you have any questions or want to know more about the various areas of Union Board, please contact the Programming Office in the HUB or call me at 3374/3879/3909. Thanks again for being on the first UB Boat Trip!!!

Sydney E. Apolinar,
Union Board President

Hey City Kids . . .
Look for tickets for the Spencers Gala show. Tickets should be available by Friday, Sept. 23, 1983 or the following Monday. The show will be live on the infamous CIT campus. There is a grand major concerts committee planning to make this inevitably fantastic event the most memorable CIT ever event ever. There will be many Spencers Gala souvenirs handed out. All seats are reserved for the two shows. For more information dial 587-6419 and stay tuned . . . P.S. Look for tickets going on sale possibly by Friday.

Jamming
AIR BAND CONTEST
Place: The Bog  Entrance fee: $1.00 per member
Aim: $1,000  Time & Date: Sept. 22 8-10 p.m.
There's an air band contest in the Bog. All students are welcome to try and win. The prizes will be: 1st - $500; 2nd - $300; 3rd - $200. The applications are available at the HUB Director's office. All applications must be in by Sept. 20 at 8:30 p.m. Judging will be based on authenticity, how well students imitate the playing, and stage acting. So come on over and live out your fantasy to be a rock star.

Union Board Members
Union Board is a student programming organization bringing entertainment to the HUB campus.

Sylvia Aguilar  Ned Tamborini
Jeff Fiedlerke  Chris Malander
Jahangiri Khan  Craig Burtie
Kenny Matthews  Phyllis Turner
Brian O'Donnell  Greg Washington
Simos Saittel  Doug White
Angelo Bert  Valerie Jeffries
Wallace E. Goode  Eric Sampson
Russ Johnson  Lon Colle
Bob Kubis

"Fascinating" "Remarkable" "Exciting" "Impressive"

The Union Board 'Movie of the Week' will be
Quest for Fire
It will be appearing in the McCormick Auditorium located in Hermann Hall and will be shown on Thursday Sept. 22, at 6:15 p.m. and Saturday Sept. 24, at 7 p.m. & 9:30 p.m.
The cost to you is a mere $2.00.

"Soap Scoop"

All My Children: After Steve gets discharged from the hospital, he decides he wants to wed Nina, but Nina is focused on GH. Mark constantly brings more women to his home for a job interview. Mark babysits Kristina for Doreen. Doreen decides to make cookies using Mark's cookies. Doreen reconsiders when she sees that the family is getting along without her.

Another World: Al in the student center. He sees pictures of Anna and Lisa in the newspaper. As he enters the apartment, he finds Lisa's body and calls the police.

Days of Our Lives: David is the main suspect in Renee's murder. Julie confesses to the murder to protect David. Malachai knows that Mickey is behind Maggie's thinking. Son and Gwen are all lovestruck. Maggie is torn between admitting the truth and seeing the couple happy. When Maggie agrees to return to Mickey Neil plans to marry Liz.

General Hospital: Sonja碭 and Franz are arrested for the murder of the man they were looking for. Sonja and Franz are then released. Sonja and Franz then go to find the man they were looking for. Sonja and Franz find the man and take him to the police station.

One Life to Live: Echo tricks Clint into meeting her at the bridge where she plans to kill himself. Viki tries to save Clint that Echo is an Olympic swimmer. Clint is taken to the hospital after trying to save Echo, who is injured. Lauren tells police that Clint murdered Echo. Rob is taken to the hospital, goes into early labor, and has to leave. Sonja and Franz are arrested for the murder of the man they were looking for.

Young and the Restless: Cindy dies in Paul's arms at the hospital. Ashley is angry when she finds out that Jack changed Cricket's makeup for the new look. Ashley publicly shot Cricket. Ashley orders the makeup to be changed to her original idea. Carl believes the owner of the gun involved in Jack's shooting to be Jill.
Volleyball wins two

By Bill Gallagher


In the Trinity match, IIT played well until the third game, when the Hawks' skills broke down temporarily. First match nerves and the noise level in the gym were probably the factors in this breakdown. IIT regained their momentum by the end of the fourth game, which ended with four consecutive ace serves by the Hawk's Lauren Makar.

The Hawks looked a great deal sharper in the Trinity Christian match. In the first game, IIT was nearly error-free as they defeated the Trojans 15-1.

Momentum swung away from the Hawks slightly due to some serve receiving errors, but the control of the match seemed to always be in IIT's hands. Coach Chris Meyer stated that "The Trinity Christian match was our first big hurdle. They are a tall, strong team. But we served to the weaker players very effectively and contained the ball well when it was on our side. Linda O'Connell was able to do a great job of setting because she was getting good passes from our players." The leading spikers in the Trinity Christian match were Marie Dukeman with 12 kills, Lauren Makar with 10, and Kelly Cady with 7. Rachelle D'Amore had a fine match, especially in the back court, and Mary Knaugh hit hard from her right side spiking position. The bench also contributed greatly, with Jennifer Glaik, Maria Pugliano Beets, Kim Murphy and Susan Topolokis, each coming in to play well. "We have a very strong bench," stated Meyer. "When we play in a tournament or league game, I have plenty of skilled people to put in if someone needs a rest."

Sailors place

continued from page 10

Michigan State, fourth; Notre Dame, fifth; Kent State, sixth; Ohio Wesleyan University, seventh; IIT, eighth; W. Michigan University, ninth; Illinois, tenth; University of Wisconsin Green Bay, eleventh; Indiana, twelfth; Marquette, thirteenth; University of Illinois, fourteenth.

Baseball exhibition

The Men's Varsity Baseball Team will be playing an exhibition game against Northeastern Illinois University on Tuesday, September 22nd at 3:30 p.m.

Tennis defeated

The Women's Tennis Team took a hard defeat at the hands of St. Francis College, 5-4. Coach Tepper's squad seems quite confident that this season will be a success.

The only way for you to find out is to come out Monday the 19th at 3:00 p.m. to see the team take on Aurora College.

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Cross country gearing up

By Bill Gallagher

IIT's Athletic Director Dennis Hill is happy to announce that the Cross Country Team is fielding a women's team for the first time in the school's history.

This year's team has women of all different levels of ability and Coach Dean Baker says that this year no woman will be cut for occasional missed practice or lower running skills.

There is still time to join but you must hurry because the season has already started!

The women Harriers next meet is Saturday, September 24 at 1:00 p.m., and will be the Illinois Benedictine Invitational, 1 1/2 miles from North Central College.

This year's squad has 9 women running under Coach Baker's guidance: Ann Martinelli, Eileen McNaught, Cindy Sullivan, Neila Zilla, April Porter, Sherry Flinn, Kathy Killman, Ewa Porwit, Darleen Rhodes.

The 1983 IIT Men's Cross Country Team has begun practice, and is preparing for a challenging season.

The team welcomes new members: Gerald Carson, Bill Konetes, Perry Sipion, Vic Rosello, Matthew Large, and Jose Lamas. This team is the largest in recent years. The combined talents of returning veterans and new members will be tested at prestigious meets like the Bobcat Invitational and the 16th Illinois Intercollegiate Cross Country Championship. The meet will be the St. Xavier Cougars Classic at Bull Frog Pond, West Forest Preserve on Saturday, September 17 at 11:00 a.m.

The team practices along the lakefront as far north as the Field Museum. On September 18th, a 5 mile time trial was held on the lakefront course to determine the seven men starting team for the Cougar Classic. Freshman Perry Sipion turned in the best time of 32:32 followed closely by Mike Watsapp, 32:39, and Bill Konetes, 32:40. Jim Kirkland, Ken Zoga, Jose Lamas, Vic Rosello, will round out the team. The next meet is the Ray Schellong Invitational at Northwestern University on September 24th. GOOD LUCK, HARRIERS!!!

Tech sailors place

By Randy Künstelmann

The IIT Sailing Club attended the first regatta of Fall '83 season on the weekend of September 9-10. The regatta was held on Diamond Lake in Southern Michigan and hosted by Notre Dame University. There were fourteen schools in attendance, two of which were from out of district, Florida State University and Salem State University.

Representing IIT were A'fleets Gary Donner and Randy Künstelmann, B'fleets skipper was Steve Long who borrowed a crew on the first day of racing from Northern Illinois, and on the second day from West Michigan.

The first day of racing was beautiful with 80 degree temperatures and moderate winds. IIT showed themselves to be tough competition, finishing comfortably in the top third of the regatta. However, they were plagued by a questionable mark rounding by F.S.U. in which a collision occurred and forced the IIT 'A'fleets to drop from an assured second place to that race to a thirteenth.

The second day ran with the same consistency with the exception of the first race. The 'A' fleet was in questionable contact with the Ohio Wesleyan boat and later withdrew from that race after its completion. The 'B' fleet, however, ended the day with a strong second place in the last race. Giving IIT a sixth place in 'A' and a sixth place in 'B' with an overall eighth place out of fourteen for the regatta. The other standings were: Miami of Ohio, first; Florida State, second; Michigan University, third.

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