IITRI AWARDED IMPF

IIT Research Institute (IITRI) has been awarded a two-year contract from the U.S. Air Force to assist gear and bearing producers in modernizing their manufacturing capabilities. Both industries which produce components critical to U.S. defense systems and have been seeing an erosion of their competitive position in recent years.

The U.S. Air Force Industrial Modernization Initiatives Program (IMP) provides a unique mechanism for reviving our industrial base. As manager of the gear and bearing program, IITRI will work with U.S. manufacturers to develop and implement projects aimed at modernizing both the factory floor and production management systems. Maurice Howes, Director of the Institute's Gear and Bearing Center, sees the program as "a benefit to both the government and the private sector, not only in reducing costs, but also in reducing the risk of modernization, increasing awareness of available manufacturing technology, providing an integrated approach to factory improvements and establishing a better mutual understanding between the Air Force and its suppliers."

The program is sponsored by the Aeronautical Systems Division (ASD) at Wright-Patterson Air Force Base, Ohio, and will be managed by the Contracting and Manufacturing Branch. IMP involves three phases. Phase I begins with a top-down factory analysis identifying areas for improvement. A business decision funding law, the first between the government and the manufacturer which is designed to benefit both parties by mutually sharing the risks and rewards.

Phase II identifies implementation plans and involves design, development and demonstration of factory modernization enhancements. Phase III is the actual implementation of those improvements that demonstrate the highest potential payoff.

Under this contract, IITRI is the prime contractor to the Air Force and will manage Air Force subcontractors participating in the sector programs engaging in Phase I and Phase II activities within the gear and bearing sector.

This includes monitoring subcontractor progress, supporting the project development initiating Phase I proposals, negotiating business agreements and assisting in technology transfer.

The Gear and Bearing Center is a joint activity of the Illinois Institute of Technology and IITRI. Together, IIT and IITRI form IIT Center, which offers a number of special research and development centers to serve industry and government through a combination of education, research and consulting experience for more than 50 years.

The Gear and Bearing Center was organized to focus upon engineering and the multidisciplinary resources on the technical problems related to gear and bearing technology. At present, the members of IIT Center are involved in activities that contribute to the Gear and Bearing Center.

ACS CHEMISTRY DAY

by John Abbott

"Drinking" Winners

The student life office sponsored a "Drinking Myths Contest" during alcohol awareness week. There were three contestants who answered 14 out of the 15 questions correctly, in order to determine who would be the winner. A drawing was held in the student life office. The winners were as follows: 1) Eugene Reiter; 2) Nelson; and 3) Jen Willer. Congratulations to each of them and thanks to all the other participants for being involved in the contest.

The student life office has made a generous donation for this program. Our winners will receive gift certificates redeemable to the campus bookstore. Following is a list of answers to the contest:

1) Most skid row burn are alcohols. False. You can't count on stereotypes. A recent study has found that less than half the denizens on skid row had drinking problems.

2) Stimulants (i.e. caffeine) help reduce the alcohol concentration level in the body. False. Caffeine does not get alcohol out of the system, as the liver metabolizes alcohol slowly. There is no way to hurry it.

3) Alcohol improves your sexual performance. False. Contrary to popular belief, alcohol does not increase your sex appeal. It decreases your sexual capacity. Alcohol may seem to stimulate interest in sex, but it interferes with performance.

4) Fifty percent of all traffic fatalities are alcohol related. True.

5) A person cannot become an alcoholic by just drinking beer. False. They can become beer and the same amount of pure alcohol present in wine and hard liquor.

6) The average American has his/her first experience with alcohol at age 15. False. The average American has his/her first experience with alcohol at age 15. False. The age that the average American has his/her first experience with alcohol is a 15-year-old. False. Alcohol is a stimulant. False. Alcohol acts as a depressant on the central nervous system.

7) Most alcohols are middle age men. False. A University of California research team has found that the highest percentage of drinking problems among men in their early twenties.

8) Most alcoholics are middle age men. False. The average American has his/her first experience with alcohol at age 15. False. The average American has his/her first experience with alcohol is a 15-year-old.

9) Most alcoholics are middle age men. False. A University of California research team has found that the highest percentage of drinking problems among men in their early twenties.

10) Most alcoholics are middle age men. False. A University of California research team has found that the highest percentage of drinking problems among men in their early twenties.

CRUSADE WINDING DOWN

The 1988-89 IIT United Way Crusade for Mercy Campaign is in its last stage according to Campaign Chairman Manny Frías.

The range of services supported by the Crusade, Frías says, "is truly enormous." Noted, for example, the Hull House program that trains welfare recipients to become licensed child care providers who are economically self-sufficient. The National Kidney Foundation, Illinois, dedicated to the proper treatment and care of kidney disease, brought about enactment of the 1967 Illinois Kidney Foundation Act. "It's all a part of its kind in the nation." The South Suburban Family Shelter provides social and counseling services to abused wives and children, and to victims of domestic violence.

Frias also serves in addition to allocating crucial funds to almost every public and private human care agencies, the Crusade is the largest single contributor to such giant unholy organizations as Catholic Charities and the Jewish Federation of Metropolitan Chicago. Frías says it is "very gratifying" that you have made your contribution, Frías urges you to do so and return your pledge card to the IIT volunteer solicitor. You can get a card at the union office or from David Zinn (334-4665), the Associate Chairman. The Crusade encourages contributions through a regular payroll deduction plan. But checks, Frías says, are also welcome. The campaign goal for Chicago is over $10 million. The IIT goal is $25,000.
Response to the Unknown Reviewer's Letter to the IIT Community

Let us explain our philosophy on the Bog. We had intended on bringing top-notch quality acts. They would be both new and the old tried and true veterans. They were well staggered so as to provide variety and to accommodate a wide variety of tastes. We feel that our committee did very well. The "no pitcher" policy has killed our momentum, but plans for the spring semester are dead in the water and our future looks very bleak. The committee tried to create an atmosphere that would allow the bars and clubs downtown or elsewhere. The Bog was to have been the club alternative. For $2, you could see a top quality act without worrying about driving, paying for parking, paying a cover charge, (usually much more than two dollars), and then you would be faced with a two drink minimum. Total cost for the evening usually would run around $15-$20. Not to mention that you must be 21, or have a very good fake I.D. The Bog was to have been the alternative to all that, yet not everyone seemed to care about what went on in the Bog.

Everyone that raised a big stink about the beer prices, well they did make a good thing they had going in the Bog on Thursday nights. And those of you who abused the system have only yourselves to blame. Our point is that the administration listened to the student's concerns and succumbed to an agreement. Yet the crowds that were coming for pitchers had not returned. You wanted the pitchers, you got them back, now where the hell are you? We understand everyone is busy with other things, but can't you spare 3 hours on a Thursday night? It's the only glimpse of social life this campus has. Won't it be a shame to lose it? What if the interest in the Bog bands doesn't change by the end of this semester, then our plans will be irrevocably changed. Instead of our somewhat risky programming, we'll go back to the old classic standbys. But we wonder just exactly how many times can Johnny Star play in a semester? Or how many times do they play covers don't they? Or would a high school garage band really pack 'em in? Do you see their point?

Also, for those of you who thought this semester's bands were bad, just imagine what we'll be stuck with in the spring.

Yes, we are painting a very bleak picture. We need to get the student interest back to the level it was at the beginning of the semester. Otherwise, a more fun than death production will take on new meaning, namely that of our ill-fated ideas.

The Monsters of Rock is an event on which our personal reputations are riding. If it doesn't go well, then the then the only reason we'll have to blame someone for this event, will be to blame ourselves since we tried too hard and too ambitious and too to motivate the students with a special event. We tried to provide some excitement to an otherwise dull social life on campus. We will apologize for trying. We personally feel that if we can't breathe new life into the Bog, with our experiences, then no one can. Hopefully, when they bury the Bog concerts at IIT, as well as this campus' social life, students will at least show up at the funeral.

IIT Union Board Mini-Concerts Committee

---

**FINAL EXAM SCHEDULE**

**DECEMBER 14-20, 1988**

---

**Response to the Unknown Reviewers: In Reference to Their Reviews**

Let me begin by saying that in the 9 years that I have been working with bands and local bars and clubs, the toughest challenge has been in the Bog at IIT.

Nowhere have I seen a more finicky crowd. If it's not a cover tune that's been beat to death by everyone and their brother's band then it's not a song worth consideration. Everyone expects a band to play cover tunes, but let me tell you bands absolutely, truly, despite playing covers. It doesn't do a band any justice at all. It does not get a band excellent recognition except as a cover band. A band cannot thrive on playing someone else's music. It is self-defeating. Whitesnake and Guns 'n' Roses did not get where they are now by playing covers.

Also, bands must play their own music if they wish to survive in the dog-eat-dog world of music. As the music scene goes, Chicago is the most competitive in the nation. Even cover bands compete with each other for places in the club and changes, and so many fail by the wayside.

It is not fair to decide on how well a band does, dependent on how many cover songs they play. Originals are a band's lifeblood. That is the pressure the next guy over and how a band progresses in search of a greater goal. Playing the Bog and other small places in the area is not what most bands are willing to do in order to get somewhere. In the cases of certain bands, such as 1313, we in the Bog should consider it a privilege that they played for us. For they are destined for greater things and will have the Bog to thank. "Those of you here are part of the click." That's a quote from Moa a few days after the show. He stated that IIT provided the band with the rowdier crowd that they had experienced for a long time. It goes to show the quality and recognition an original band deserves.

Bog working with many national touring acts, I have seen many of these problems surface at the superstar level. For example, how well do you distinguish between Poison and Cinderella? or Whitesnake and Guns 'n' Roses? Even big guys have problems with recognition.

Lil Darlings is a young band and they are just working the bugs out, as they become veteran, they'll see the changes. 1313 was a Lil Darlings when they started out. They're the perfect example of progression. Both of you liked 1313, is it because they had their act together?

Me pleased me also, they usually are a powerhouse band and by listening to the advice of many, booked them, because everyone seemed to like them, yet where were these people?

In the future, just assume that if a band hasn't been seen or heard of is playing originals. Originals, not covers, are the norm in the music industry. Consider any recognizable covers a treat.

Save the Bog
Sincerely,

The Union Board Bog Concerts Committee and Barry Antolovic- Mini-Concerts Director

---

**EXAM KEY**

---
The Unknown Reviewers

THE UNKNOWN REVIEWERS IS A WEEKLY FEATURE IN TECHNOLOGY NEWS. THE REVIEWERS, WHO HAVE CHOSEN TO REMAIN NAMELESS, WILL BE REVIEWING THE THURSDAY NIGHT BOG CONCERTS THROUGHOUT THE SEMESTER.

THE DUDE ON THE LEFT
I saw "Ryng" last year and enjoyed the show then. I saw them this year and once again was impressed by both their energy and thoroughly enjoyed the sets that they played. From the opening song, "LaGrange" by ZZ Top, to the last, "A White Shade Of Pale," the band played excellent renditions of songs everyone in the house seems to have known more ZZ Top, Creedence Clearwater Revival, and The Rascals. The small Bog crowd, as well as myself, enjoyed just about everything they played. It was refreshing to hear a bunch of them play. With song number 22, "Broadway," he heard "Through The Grapevine," "Good Lovin', 
You've Lost That Loving Feeling," and even a request from the audience for "She Ain't Heavy, She's My Sister." The crowd kept into the music, either by singing their hearts out, or by dancing up a storm.

The band was led by Rick Staple on lead vocals, who was very good and energy was high throughout the show. I've heard that "the more you drink, the better we sound." This, although true for some bands, was not said here. The sound was clean and good. Mike Barry was on keyboards, and although not the most energetic person, his skills on keyboard was really shown during "Broadway." On lead guitar was Jim Comper, who also helped out with the vocals. He usually played a nice, good solo guitar which came during "House of the Rising Sun." Although the rest of the band seemed to have had the "rust" off, the person that really impressed me was the most the drummer, Guido (you Guido!). I truly knew what the crowd wanted and put out the energy to keep the band and the crowd going until past midnight.

This reviewer gives

"Ryng" the big THUMBS UP. I was really impressed with the fact that although the crowd was small, the band still played like they were playing to a full house. The songs they played were songs everyone knew, and songs everyone enjoyed. I really liked the energy they had, and although not the loudest band, they sent this reviewer home with his mind refreshed and ready to face another Friday.

THE DUDE ON THE RIGHT
What can I say about Ryng that my counterpart has not already said? They were great. They played classic songs from ZZ Top and Billy Idol, to the Doors and the Temptations. The songs were ones that everyone in the crowd seemed to know. Yet they were not the tired songs that we seem to hear every week. They played classics like "Simply The Best," "Good," and "Money Money." They also played songs you don't hear as often like "LaGrange," "House of the Rising Sun," and "Respect Me." They even took a few requests from the crowd, including "Suspicious Minds" by Elvis, "Maybellene," and in about both of which got the crowd going.

Ryng played to the crowd, and all the members of the band really seemed to love playing, and they loved the responses they got from the crowd. I especially liked "Ryng" the way he was playing, and his version of the Jimi Hendrix song "Fire" really impressed me, and I'm sure the audience would love it too. He seemed to be playing every song, pounding on the drums like a man possessed. The lead singer and bass player both seemed to have good control over all the songs. As 12:30 rolled around, and the last notes of "White Shade Of Pale" drifted into the Bog's speakers, I really wanted the concert to continue, but alas their time was up and they had to stop.

This reviewer also gives Ryng a THUMBS UP, and I will go as far as to say they were probably the best Bog concert so far, to date, and I hope to be able to see them in the Bog again soon. But With Shut Up and Drive, Ryng may have some serious competition.

The Saga Of Ubman

It was a bright and sunny day. Birds were singing, grass was growing, and squirrels were busy shaking down passers-by for food. Ubman, who was easily the most powerful man on the campus (perhaps in the world), was strolling down the filelane, looking for some flowers to smell or some evidences to pursue. He stopped in Morten Pork and rested his mighty bulk on one of the few benches that dotted the campus. With straining muscles the size of three trunks, the famed protector of helpless students uprooted the ebony slab and held it over his massive head. With a voice like an eight-car EI train, the reasonably violent Ubman shouted. "Thus perish all enemies of the student body at this great institution!" He then mightily hurled the weighty monument at the back of the naka and slobbered on it.

His aim was true, and the slab struck the fleeing figure with great force. So mighty was the throw that the small, blinking, nonhuman causing was flung southward many yards. The limp body finally landed on a painting-covered file, and Ubman turned his attention from the ground. The impact was tremendous and rattled the foundation of Hermann Hall. The slab fell and settled. It seemed the rock was now painted in green and black, with flakes of gray.

The bearded giant, who had watched this display of force with awe and terror, now approached the melancholic Ubman, who was powerfully corning a turn on his horse.

"Waz," said the man, "that was very precise. But why is there green on the rock?"

"Because," explained the sagacious Ubman, "the one I killed was not human. By the looks of him, he was probably a Rigellan. Rigellans are known throughout the galaxy for their trickery, decoy, and enormous sex drives."

"Well, that explains a lot of things," said the bearded man, watching Ubman flex a muscle in his upper abdomen. "Who did you say you were anyway?"

"I am Ubman the mighty!" roared Ubman the mighty. "Defender of the student body! Protector of the school Guardian of the righteous!"

"Yeah...sure. Whatever you say, replied the giant, backing away wary. "Well, stop by the Bog sometime and have a beer or two. My name is Eric." Eric did not offer Ubman his band, figuring he would be safer in a French compactor.

I will do that, citizen. Until then, be sure to brush your teeth daily, and break no laws or else I will trounce you." With that, he noticed that, the really superior being Ubman turned on the light. As it turned, he noticed that the students, now clothed, were setting up a ticket booth and were charging $2.00 to view the show. A freshly painted sign proclaimed: "UNION BOARD PROUDLY PRESENTS: NOUVEAU ART FROM OUTSIDE SPACE! LIMITED engagement (until it rains). Brought to you with some help from the Alien with the Blue Hair and extra: Wallace B. Goode."

Marvelling at the business acumen of these students, the other people held a passing student remark to his friend, "Man, some people will do anything for a buck."

You Qualify For Instant Credi?

Start making credit purchases IMMEDIATELY! We will send you a NovaCard Credit Card at once with NO CREDIT CHECK. Buy and Beauty, Clothing, Goods, and all installments payments on our "Giant Sale" Catalog. Take 12 months to repay. Your personal credit card is a -secured I.D. -worth tens of thousands of dollars. All 12 reference will be on file to help you obtain other credit cards. So send in your NovaCard Credit Card now! Enjoy your new time!"
Announcements

TECH NEWS DEADLINE
The deadline for any information to be put into TECH NEWS is Thursday at 12:00 noon. Any information received after this time will not be entered in the next issue. It will be held for the following week.

LIFE LINES
To all LIFE members there will be a general meeting on Nov. 17 in the HUB mezzanine. The guest speaker will be Alvin Cooper from Northrop. To esperamos!

TECHMAZE
What: Afternoon at the movies
When: Thursday, November 17
Time: 12:00 noon to 2:00 pm
Where: HUB mezzanine
We will be renting a movie to be shown at our next event. If you have any suggestions on what we should rent, write them on the sign up sheet in the Student Life Office.
Please bring your own lunch; we will have popcorn to munch on. All interested freshmen commuters are also invited to attend.

WISE
The fourth general meeting of the Society of Women Engineers will be held on Wednesday, November 16, from noon to 1 p.m., in Room 11B in the E1 Building. All majors are welcome. Refreshments will be served.

TAU BETA PI
Tau Beta Pi will be holding its next meeting of the semester on Tuesday, November 15, at 1:00 in room 123E1. This meeting will conduct the regular order of business as well as new membership business. All new members must attend and please bring your membership fee of $50.00. See you there.

CAMPUS LIFE COMMITTEE
This is a reminder that the next Campus Life Committee meeting will be held on Wednesday, November 16 at 12:30 in the Trustees Dining Room in Herrman Hall. If you haven’t reserved a seat please call the Department of Student Life at 567-3060 to do so. Thanks.

PHYSICS LECTURE
- Professor Ron Reifen, Department of Physics Purdue University, on the Physics Properties of Individual Nanometer-sized Metallic Clusters, Wednesday, November 16, 1988 in Siegel Hall Room 202 at 4:00 PM. Refreshments served at 3:30 PM.

THANKSGIVING FOOD DRIVE
Give others something to be thankful for. Your support will be greatly appreciated. Food can be deposited until Friday Nov. 18 in boxes placed in the HUB (northeast entrance), the BOSS office (Commons Benton), or the dormi cascade. Sponsored by UCSB.

COLUMBIA COLLEGE OFFERS PHOTOGRAPHY LECTURE SERIES
The Museum of Contemporary Photography of Columbia College in conjunction with the college’s photography department continues its photography lecture series with Mark Kleit on Friday, November 18 and Richard Pare on Friday, December 2. Both lectures begin at 7:30 p.m. in Columbia College’s Ferguson Theater, 600 S. Michigan Avenue, Chicago.
Tickets for each lecture are $5.00 and free for members of the Museum of Contemporary Photography.
For more information about the lecture series, contact Denise Miller-Clark at 663-6554.

DECEMBER GRADUATION
A mailing pertaining to attendance at the December Commencement has been sent to all candidates. If you have not received this material, please contact us at 567-3310, The Office of Student Records and Registration at 104 MB prior to November 22, 1988.

VANDERCOOK COLLEGE OF MUSIC
This year, VanderCook’s performance bands will be playing at IIT’s Herrmann Hall in a regular concert schedule. The schedule is:
- 7:30 p.m., Thursday, December 1, 1988; Concert Choir and Band
- 7:30 p.m., Wednesday, February 22, 1989; Jazz Band
- 7:30 p.m., Wednesday, April 26, 1989; Tour Show
Also, the following concerts will be held at VanderCook College of Music, 3209 S. Michigan Ave., 225-6286. Always on Friday concerts take place at 1 p.m. on the days listed below.

November 18
Chip Gdalan, saxophone soloist
Connie Gottschalk, piano soloist

December 2

All concerts are free of charge and open to the public.

STUDENT ADMISSIONS OFFICE
Do you want to get involved in IIT but don’t have time to devote to an organization? The Student Admissions Office has the job for you! Events such as Open House, Preview Weekend, and Tag-A-Long days for prospective students are approaching quickly and we are asking for people to be hosts for one or all of these events. If you are interested, contact Jackie Fitzgerald in the Office of Undergraduate Admissions, Rm. 101 Pearlstein Hall, ext. 3025.

COLUMBIA COLLEGE PRESENTS EXHIBITION/AUCTION OF ORIGINAL CARICATURES, EDITORIAL CARTOONS AND COMIC STRIPS
Channel 5’s entertainment reporter Norman Mark conducts a live auction of impromptu sketches by Chicago cartoonists, Dick Locher, Jack Higgins and Roger Silverstrom at a gala reception on Monday, November 14 from 5:00 PM to 8:00 PM at the Walton Street Gallery, 58 East Walton, Chicago, on behalf of the Join Fischetti Scholarship Endowment of Columbia College.
Admission to the reception and five-day exhibition is free and the public is invited to participate. Gallery hours are from 10:00 AM to 8:00 PM, Monday through Saturday. Opening night reception is from 5:00 PM to 8:00 PM.
For more information on the exhibit/auction phone Sherry Garrett at 683-1600 extension 529.

POST OFFICE
The Residence Hall Mail Room is now open on Saturday from 10:15 AM to 12:30 PM.

ATTENTION LEWIS B.A. SENIORS AND JUNIORS
Expanding Space Shuttles, melting-down Chemobyl — Why doesn’t hyperphysics work like it’s supposed to? Who’s assessing these risks and how do they do it? How can we as a society better manage the risks around us? For this and more, sign up for the special Lewis College senior seminar.
“Technological Risk and Society” will be offered this spring as HUM 411-51 and will meet Wednesday evenings at 6:20. The seminar will feature guest lectures by risk professionals, a small seminar group, and an opportunity to apply your major courses in a new area. For further info, contact Dean Snapper (L5 182) or Prof. Mina (L5 148C). (A technical error prevented this new course from appearing in the 19 Spring Schedule of Classes.)

ITT CHEMISTRY
Professor John Seinfeld of the Department of Chemical Engineering at California Institute of Technology will discuss “Spectroscopy of a Single Aerosol Particle” at 3:10 PM on Wednesday, November 16 in Room 108 Petroleum Hall.

ECF ADVISING
ECE students are strongly urged to see their academic advisor during the pre-registration for the Spring Semester 1988, that is, from November 17 to December 2, 1988. Advisor-advisee lists and sign-up sheets will be posted outside the ECE Department office (138 SH) on November 15.
Many ECE advisors will have block advising on Tuesday, November 22 from 12-2 p.m. and on Tuesday, November 29, from 12-2 p.m. in their individual offices — No appointments necessary — First come, first served. Alternately, students may sign up for an appointment with their advisor.
NOTE: YOU CAN BE ADVISED BEFORE YOU RECEIVE YOUR REGISTRATION PACKET! Advising consists of planning your Spring, 1988 courses. Your registration form can be stamped at a later date.
The ECE Department advisors will strictly adhere to the prerequisites needed to register for a course and will only approve a course plan satisfying the prerequisites listed in the IIT Bulletin.

HOMAS
The National Organization of Minority Architectural Students is now starting a file system for architectural students. These files will consist of tests and quizzes from CE, Physics, Math and other courses. These tests can be copied by any architect or design major and will be accessible to all. Anyone interested in contributing to these files, please contact Lydia Gouveia, 3rd Year or call at ext 8093 or 842-9487.

ENCOUNTERS WITH SCRIPTURE
Further opportunity to share with other faculty, students and staff of the contemporary meaning of Biblical Old and New Testaments is offered with “The Bible and You Today” group meeting Wednesday, November 16 at 12 noon in the Field Room of Herrman Hall (SW corner of the HUB). The nature and conditions of community life and faith witnessing among early Christians will be examined and reflected on comparatively regarding current models and approaches. The IIT community is welcome to share in this dimension of Life and The Spirit in the world today.

CHAPEL COMMUNION SERVICE
Holy Communion or Eucharist, with reflections on the Reading from Holy Scripture will be celebrated at IIT Chapel Sunday, November 20 at 11:30 A.M. A fusion of Scriptural Readings, Meditation, Music and the Eucharistic (Thanksgiving) prayer in Holy Communion integrate the uniform texts among Christian groups concerned with unity. The public is invited to share in this experience of
TECHNOLOGY NEWS

November 14, 1988

personal participation in a community celebration and witness. The Chapel is
directly north of the Residence Hall Lounge.

STUDY AIDS AT ETC

Is it difficult for you to concentrate in class? Do you have trouble getting the
most out of your study time? Are you studying hard, but not doing as well as
you’d like to on exams?

If you answer “yes” to any of the above questions, you might benefit from
viewing one of the Counseling Service videotapes available at ETC. These
vitas offer helpful suggestions on note taking and textbook reading, taking tests
successfully, memorization and concentration and time management. To view
these or any of the other tapes available at ETC, simply present your identification
card to the monitor and ask for the tape you’d like to view.

HEY CHEM E’5!

The American Institute of Chemical Engineers will hold their next meeting,
Tuesday, November 15 at 12:00 in Pettit 108. The guest speaker will be
Raymond Vaselski, Director of Environmental Conservation (Chemical Div.),
Ammco Corporation.

Also, Perry’s Chemical Engineer’s Handbook is available for $14.95. Attend
the meeting or contact Michelle (ext. 3074) for details.

HKN 400 LEVEL CLASS PREVIEW

Registration is around the corner. Attend the preview if you want to learn
more about the 400 level ECE class that is being taught next semester.
Instructors will be making a brief overview of the class and will answer any
questions you may have.

LOCATION: Siegal Hall Auditorium
TIME: 12:00 - 2:00 p.m.
DATE: Thursday, November 17, 1988

GRADUATE PHOTOS

The IIT Yearbook will offer a Graduate Photo Sitting for all Students graduating
this December. It will be held on Tuesday, November 29 and Wednesday,
November 30 from 9 - 5 in the HUB room 305. You may sign up for a sitting time
at the Student Life Office starting Monday, November 14 until Wednesday,
November 23. For more information, please call the IIT Yearbook office at 567-
3561.

CAMPUS LIFE MEETING

The Campus Life Meeting previously scheduled for Wednesday, November 9,
1988 at 12:00 noon in the South Dining Room of the Armour Faculty Club has
been rescheduled to Wednesday, November 16, 1988 at 12:00 noon in the

THE MAIN BUILDING COMES TO ETC

Pre-registration for Spring Semester is Thursday, November 17 through Friday,
December 22nd.

Do you need pre-registration advising or have any questions regarding such
matters as academic regulations and policies, program audits, petitions, degree
requirements, or transfer credit evaluations? If so, you may be able to save
yourself a walk over to the Main Building by stopping in at ETC. Every Tuesday
and Thursday from 2:00 - 3:00 p.m. a professional staff member from the Office
of Educational Services will be on hand to provide advice and answer questions.
And you thought ETC only offered quizzing and tutoring!

P.S. If you’d like pre-registration counseling, be sure to bring with you any
academic audits or evaluation of transfer credit forms.

PEP CLUB

Are you looking for fun and excitement? Are you tired of your school being
known as the "School for Geeks"?

Now’s the time to do something about it.

Join IIT’s new brand new PEP Club. We are looking for individuals who are
interested in promoting school spirit. If you are interested for more information
call: (Capt.) Mia Snyder, ext. 3291 or 542-9119; (Co-Capt.) Sharon Pritchett,
846-1962; (Co-Capt.) Tomika Kinsey, 221-6742.

“We don’t need no music
We don’t need a band
All we need is IIT
Cheering in the stands.”

HERMANN HALL EVENTS

U.B. Movie Planes, Trains, and Automobiles

Movie showings are on Thursday at 5:15 p.m. and Saturday at 7:00 p.m.
and 9:30 p.m.

Admission is $2.00

U.B. Concert: Salami Bros. Band

Concert is Thursday at 9:00 p.m. in the HUB Auditorium. A rock concert tribute to 22
top, Led Zeppelin, and Van Halen. Performing Groups will be Tres Hombres,
No Quarter and Fair Warning. Admission is $5.00. Tickets are Available in the
Directors Office to the HUB.

Entertainment books are available in the Directors Office of the HUB.

General cinema ticket prices will be increased to $3.50 on January 1, so
buy your tickets now and save $0.25 on each ticket.

DATE/TIME

Loney? Need a date? Write Date/time, 817 North State Street, Suite 103,
Chicago, Illinois 60610.

A man is judged by
the company he keeps.

Marines
We're looking for a few good men.

For more information contact the Officer Selection Office at 1-800-388-MARINES.
THE NEED FOR CRITICAL THINKING - LESSONS FROM A CONFERENCE ON PARANORMAL PHENOMENA

by Ullica Segerstrale
Department of Social Sciences

Last weekend I attended an international conference announced in Tech News: The New Age, A Scientific Evaluation, arranged by the Committee for the Scientific Investigation of Claims to the Paranormal (CSICOP) at the Hyatt Regency, O'Hare. I knew little about this organization, except that it publishes a journal called The Skeptical Inquirer and that it is interested in scientifically evaluating such things as UFO-phenomena, Clairvoyance, extra-sensory perception, psychokinesis, talking apes, unorthodox medical therapies, and the like.

As a sociologist of science interested in the nature of scientific thinking and the difference between scientific thinking and everyday beliefs, I thought it would be useful to hear what the conference participants had to say. Also, because I am interested in fraud and self-deception in science, I thought I might learn something about the reasons for suspicion of disbelief through finding out how this works in scientific borderline areas or outright pseudoscience.

The overall impression I came away with is that there are strong forces operating on people to believe in almost anything, while there are few formal arrangements in this society designed to teach us to think critically, or to think, period. This is why I bring this up for us at ITT to ponder about.

What are we doing here to guarantee that our students will be capable thinkers? Do we do our teaching emphasize the nature of acceptable and unacceptable evidence or argument, and the possible pitfalls involved? Are we assuming that learning the basics of science and technology will also automatically make students capable of sorting out good data from bad, and to be aware of the limits of applicability of various methods and models? Or are we unworlthyly tempting our students to rely on the computer to churn out numbers without asking critical questions about what those numbers actually mean?

Douglas Hofstadter, professor of cognitive science at the University of Indiana, Bloomington and author of the Pulitzer prize winning Godel, Eller, and The Mind's Eye: gave the keynote address entitled "Kissing on the Elusive Nature of Common Sense and Evidence." His talk reflected the way we normally think, which is in a rather fuzzy way. To prove his point, he put the audience of about 1000 people to a test. "I want you to answer me immediately," he said. "Ready? What does the cow drink?" "Milk!" we all cried, and then we burst out in laughter. It turned out that only about a hundred people in the audience had thought about water.

What was that? According to Hofstadter, we tend to think in general fuzzy concepts which have other concepts associated with them. Cows are associated with such things as calf, farm, and milk. Milk on the other hand is associated with among others coke, water, beer, and also milk. When a concept is activated, it also activates its associated concepts. Now, "milk" got activated by both "cow" and "drink", simultaneously, and therefore "wet" over other possible cognitive connections.

Hofstadter also discussed the reason why someone would say "the great walk" instead of "the long march" when talking about Mao's China.

He went on to explore the kind of reasoning we might employ when someone is late for our dinner party. Our reasoning will depend on our knowledge of the person and our degree of frustration. As time goes by, we may be inventing more and more far-fetched explanations of what may have happened. It appears common sense is a very flexible and creative thing and can easily play tricks on us. (Well, already Freud discovered this in one of my favorite books: The Psychopathology of Everyday Life, where he examined slips of the tongue, forgetting, etc.)

Another demonstration of common sense was a book in the sense of "seeing for yourself," may not be very reliable was the show put on by magicians during the conference banquet dinner. Here the roster of ceremonies was The Amazing Randi, alias James Randi. The reason that not only scientists but also magicians are interested in borderline science is that they are trained to be masters of deception and therefore the most competent persons around to uncover outright fraud. Another reason for their involvement, as Randi pointed out, is that magicians play tricks on others for entertainment purposes only. Therefore they object to charlatans and frauds, because these may affect the public's view of "friendly deception. Also, they find it very objectionable that charlatans are collecting money from gullible people. Believe it or not, Randi showed us some spoon-bending (remember the Uri Geller phenomenon?)

I talked to James Randi about recent fraud in science, especially since he was personally involved in the famous Jacques Benveniste case in France about the "water with memory," which has figured prominently in Nature, Science, and even Time magazine. Randi was part of a three person team conducted by Nature's editor John Maddox that went to France to investigate the claims in a paper published by Benveniste. The latter asserted that he had been able to obtain an immunological response with a particular substance even when it was so much diluted that very tiny amounts of the substance could have remained. Had his claim been true, it would have had profound implications for medicine. After setting up some clever devices to see whether fraud was involved, the team officially concluded that it was more a question of sloppy research or self-deception. "So is it one of those gray areas?", I asked Randi. "I would say very darkly," he retorted, and added that he has a lot more to say. He is waiting for a French report to emerge, but will give his side of the story if he is not satisfied.

As for the U.S., according to Randi, it is good that there now exists a full-time "fraud-squad" in science, namely Ned Feder and Walter Stewart at NIH. This team is slowly becoming increasingly appreciated by scientists, he added. But reading ITT's Ralph Davis' article in the newest issue of Science, Technology and Human Values describing how fraud-suspects are using litigation to suppress publication of the results of Feder and Stewart's continued on the following page

RESERVE OFFICERS' TRAINING CORPS

BELIEVE IT OR NOT THIS GUY IS IN CLASS.

Enrollment and advancement in the Reserve Officer's Course, and Army ROTC is the same. Same as Army officers that go to college and maintain their en-rollment and advancement in the ROTC Program, but they have to pass the classes of their major. Therefore a Reserve Officer's candidate may also enroll in their major and receive the same benefits students receive in the ROTC program. To be in this program you must be enrolled in a degree program or pursue a degree.

ARMY ROTC
THE SMARTEST COLLEGE COURSE EVER
Contact CPT Jay Stephens 956-340
For More Information

With you, there's a WAY
...to address issues that affect the lives of women.

Day care. Domestic violence shelters and rape counseling. Job training and placement. The special needs of women call for special care, and when you give to the United Way, your caring works wonders.

To those who’ve given, to those who’ll give, Thank You.

United Way
Crusade of Mercy
It brings out the best in all of us.
TM
The problem arising when a dubious practice is substituted for the real thing also comes up in conjunction with various obscure quasi-medical therapies. A director for an institute for research in health fraud was upset with one of these therapies: "In various therapies even though they haven't been subjected to rigorous testing for medical effects. The worst of it all, this girl said, is that these dubious or dangerous therapies are sensationalistically promoted by the media, another through the television talk shows. "Have you appeared on the Phil Donahue, you have appeared on the Oprah Winfrey show!" she revealed something rather unbelievable: he had heard about a syndicate which for 12,000 dollars will put you on all the 'right talk shows.' He decided to test this and called them up, explaining that he had developed a new thing called 'medical treatments.' Sure enough, he got the contract papers sent to him.

This revelation happened in Chicago. This year, during the lively general session on media responsibility and the paranormal, moderated by Richard Korda, and Caroline Rose Will, Rosenberg at the University of Chicago (yes, he with the radio talkshow at WGN, AM 720 every night), George Garbier, professor of psychiatry, from the Annenberg School, U. of Penn., gave an overview of the media's treatment of the paranormal over the years. Will and Garbier believe that the media is not only skewing the public perception of paranormal phenomena, but the marketing of pseudo-scientific personalities making millions. There were several interesting suggestions at this conference. First, the New Age craze may be a response to the weakening of organized religion (of the Catholic Church for the U.S. and not only), because the New Age can be seen as a way for people to find legitimation for their own interpretations of life. Furthermore, will Garbier mentioned, all pseudo-scientific and religious movements have the same appeal - they are not just science, but pseudo-scientific or religious.

A few things that we could do come to mind. We need to explain exactly what the basic assumptions are in theories and concepts, not only have students apply these. We should not assume that an individual is all that easy grasping; after all, they have been taught for science. Also, students should be taught that science does not use their own, or other's information. It is also important that students become familiar with the development of scientific inquiry, both its creative aspects and its necessary methodological constrains.

The evidence we need from practitioners and from such fields as sociology, psychology, history and philosophy of science.
THE FILM:

PLANES, TRAINS AND AUTOMOBILES

What he really wanted was to spend Thanksgiving with his family.

What he got was three days with the turkey.

America's foremost funnymen, Steve Martin (Three Amigos!, Roxanne) and John Candy (Spaceballs), team up for the first time in John Hughes's hilarious new comedy about two mismatched traveling companions trying to get home for Thanksgiving. While flying from New York to Chicago, Martin, an urban advertising executive, finds himself sitting next to uncouth, shower-curtain-selling salesman Candy. When a snowstorm causes their plane to be rerouted, the unlikely pair set off on a cross-country adventure that catapults them from one side-splitting disaster to another. Writer-director Hughes's heartwarming good humor, the irresistible talents of Martin and Candy, and some of the funniest sight gags you'll ever see on the screen make Planes, Trains and Automobiles a perfect comic flight that just can't miss!

All films are displayed for your viewing pleasure in the HUB Auditorium every Thursday at 5:15 pm and Saturday at 7:00 and 9:30 pm. Admission is $2.00 or use your UB pass.

THE BAND:

The Sensational Salami Bros.

You may have seen them at a local club or heard about them from a friend. Their reputation is preceding them and, quite rightfully so. They are the Sensational Salami Brothers Band!!! Remember bobby sox, pony tails, date night, staying cool? Remember when a guy's biggest problem was being a "Teenager in Love?" The Sensational Salami Brothers show everyone how to "Rock Around the Clock" and have audiences screaming for encores! Their authentic "greaser" look, combined with remakes of all time great hits including Elvis' "Hounddog" and Chubby Checker's "Twist" will prove to you that "Rock 'n' Roll is here to stay!!!

An all-ages, $2.00, more fun than death show will take place Thursday at 9:00 pm in the Bog. Show up or Batman will beat you.

Another example of fun for all ages.
These 3 Bands are being challenged to perform like the great ZZ Top, Led Zeppelin and last but not least Van Halen!

FRIDAY, NOVEMBER 18, 1988
5:00 pm - Until...
$5.00: General Admission

The I.T. Monsters Of Rock
Lasers and Spy Concerts...

I SUPPOSE YOU'RE GOING TO SAY IT'S MORE FUN THAN ME...

Monsters of Rock tickets are available at all Union Board events and in the Directors Office in the HUB. For more information contact Barry at the Programming Office or Greg at 326-9830.
Students Kill Viruses

(CPS) — Some good student detective work found and eliminated some potential lethal computer viruses at campuses last week.

At Baylor University, unnamed student experts stopped the virus, which is mostly such programs, reproduces itself until it wrecks data and operating systems, guarding three campus computer systems. At the University of Colorado, student Greg Young found that about 85 campus Macintoshes were infected with another type of virus, and then eliminated the virus before telling CU's Computer and Networking Services office about it, the Campus Press reported.

The CU virus was unusual only because most such programs are designed for IBM and IBM-compatible computers, Northwestern Prof. John Norstad said. There have been 40 viruses discovered this year in the IBM community, and only three in the Apple community, he said.

The virus at Baylor also has infected computers at the universities of Michigan, Florida, and Texas this term, Norstad said.

Scores got to Baylor, it turns out, when Baylor student Ahmad Jilani got a computer disk in the mail from his cousin in Ohio, a student at Ohio State University. Neither Jilani nor his brother knew the disk was infected, Jilani says.

Baylor's solutions and CU's Youngs used new virus detection programs to debug the computers. Many of the viruses have been identified, but some are "only three or four months old."

Parker Bros. vs. Repubs

Parker Brothers, Inc. wants the College Republicans to stop using Moroṗephile "Get CrA Off Jail Free" cards to take jabs at Democratic presidential candidate Michael Dukakis.

Parker Brothers, which manufactures and markets Moroṗephile, sent a "cease and desist" letter to the College Republican National Committee (CRNC) last month, but at least one campus chapter — at the University of Arizona — has kept using the cards as a way to satirize a Massachusetts jail furlough program.

"As far as we're concerned," said Parker Brothers spokeswoman Patricia Baer, "they're infringing upon our copyright. We do not want them to continue using it.

The CRNC originally planned to sell the cards, but in the wake of the threats from Parker, the CRNC's chairman said they would give the cards away without fear of being sued, reported Arizona chapter Chairman Paul Rossi, who started handing out the cards Sept. 16.

"We do understand that Parker Brothers' chairman is a Republican," said the CRNC's chairman. "I think that's why we're allowed to use them," Rossi told the Arizona Daily Wildcat, the campus paper.

"Parker Brothers says that's unfair because the political affiliation of anybody at Parker Brothers," countered Norstad. "This has nothing to do with political affiliation. We see this only as a copy right infringement."

The sharp-witted Rossi can call Dukakis a "friggin' idiot," as the Massachusetts further plan the Bush campus's blasted as pro-criminologist's killer's best friend, and the smartest honest worst enemy."

McGovern said Parker Brothers will allow "que time" for the College Republican National Committee to inform campus chapters to stop distributing the cards.

"We have no reason to believe the national committee will defer our request," she added.

If the College Republicans continue to distribute the cards, the company's legal counsel may take legal action, McGovern said, "but it's difficult to say what we'll do."

Campus Takeover

The student government at California State University, Chico was able to get a court order against, of all things, a hostile corporate takeover.

"The corporate raiders," moaned President Robin S. Wilson, who wants to wrest control of several campuses business away from the financial aid fund. At issue are Chico's bookstore, copy service and food service operations, worth an estimated $13 million.

Wilson's spokesman, echoing those of raiders like T. Boone Pickens and Robert Bass, criticized the student government as inefficient managers, and asserted Wilson could run the businesses better.

"The businesses have an income potential and the president wants access to that potential," said Bob Pentzer, Chico's public affairs officer. "The students have done pretty well. The student thinks he can do better."

And, much like the Wall Street merger craze, such thinking is the reason why Wilson, predicted Doug Brookes of the National Association of College Stores (NACS), based in Oberlin, Ohio, "It may encourage other college presidents to see what they can do to gain control over student newspapers and student life."

The students, in reply, have given a cold shoulder to the idea of buying the store, which is currently called Strainson, from assuming control of the services.

They've also gotten a bill through the California state legislature to protect them, and have gone to court to enjoin Wilson permanently from raiding them or taking $500,000 in punitive damages.

The Butte County Superior Court heard arguments in the case Sept. 30, and will continue on the next page.
FAILING? SUE EM

(CPS) — A University of Central Florida student who failed an economics test twice is suing UCF to get her master’s degree in business administration on the grounds that, her $6,900 tuition back.

“After paying my dues and having a good average, I feel abused,” said Nora Roth, who was suspended from UCF in all her other courses. “I really don’t want their money. I just want what I earned, which is a master’s degree.

But UCF College of Business Dean Clifford Eubanks said the test Roth failed was just one of the many tests to review all the material that they have learned in finance, management, marketing and economics. “It is common at many colleges across the country.”

As Roth was the first part of the test but failed the economics section. She hired a tutor, crammed for another test, and took the test again. She failed it.

She alleges the test unfair because each of the business school’s economics professors held different theories.

7% WHO PASS

(CPS) — Only seven percent of the nation’s high school seniors are college-bound, a significant drop from 1982, when 14 percent graduated. For the first time in the nation’s history, high school graduates serious implications for students’ adult lives,” concluded Dennis Kiley of the National Assessment of Educational Progress (NAEP), which conducted the survey — dubbed “The Science Report Card” — of high schoolers’ science knowledge.

Cornell University scientist Carl Sagan, appearing at the National Science Foundation press conference at which the report card was released, added, “These trends in scientific literacy are ominous.”

“Approximately one-half of the 17-year-old males but only one-third of the females responded,” demonstrated the gap in science proficiency, and the lack of a comprehensive science curriculum and data,” observed the NAEP’s Ira V. Mullis.

On the plus side, NAEP director Archie Lapin noted, “American students’ science achievement has no where near as much as they did.”

In fact, it already has improved a little. Each “Science Report Card” since 1982 showed that less than 7 percent of the nation’s 17-year-olds could pass college science courses.

Lapin called the mirror increases in the numbers of seniors who could get into campus science labs “glimmers of recovery.”

TOAKEVER

Student associations, he said, run businesses at few schools. “The student government,” for example, is the only student group on Cal State’s 19 campuses to run commercial enterprises.

But that student run business doing incredibly well, but President Wilson has said the students should promote campus life, not run a business that is an extension to their personal power away,” explained Brooks.

He (Wilson) wants to have control on the profits are spent.”

At Chico, the dispute arose during the summer, when students and administrators sat down to renegotiate the rents the student government paid the administration

(CPS) — To enroll in a seminar he was leading, a University of Notre Dame professor set fire to his disbelieving students. Amateur magician and adjunct professor G. Hertn. True said he was trying to spice up his lecture with his “flamazing hand” magic trick — in which “I flip with my finger and this flame comes out of my hand, or at least it looks like it” — he accidentally discharged it, jerked his hand the wrong way and accidentally set fire to papers he was using as a visual aid.

There was minimal damage before the flame was extinguished, Notre Dame spokesman Michael Garvey said.

True, who suffered a minor burn, said he intended to keep using the trick in class as an attention-getter. “When was the last time you set fire to your house?” he responded to a question about how effective a teaching tool the trick was.

EVANGELISTS BANNED

(CPS) — Angered by what they call unethical Church of Christ preaching, University of Texas at Austin officials have banned all religious groups from proselytizing on the campus.

The new policy is apparently the first ban on preaching by any Catholic college in the U.S. University officials said the Church of Christ uses “manipulation” and “harassment” to convert students to the faith, and because of the school’s self-governing “bible-believing church.”

“Their tactics are manipulative, they are manipulating people and pressuring them so it is difficult to make a free choice,” said the Rev. David Haschka, director of Student life. According to a memo from the school, the University of Texas at Austin banned the practice of proselytizing because it violates the church’s spiritual freedom of speech and religion. The ban has since been implemented and the campus has seen some action.

Two University of Arizona students, for example, organized a protest from the university asking for the university to hear people to “speak to a speakers corner” on campus last fall. And in 1984, the University of Virginia — after a volley of threats — asked the school to allow students to present different views to certain days, hours and areas of the campus.

Private Catholic schools like Marquette aren’t required to let such preachers on campus. Barbara Keeler, a member of the National Catholic Education Association, however, reports she’s unaware of other Catholic schools adopting similar policies.

“We don’t have that problem,” said Seton Hall University spokesman Jane Duggan of campus preachers. “We don’t have a need there. We have some students that have come on campus to proselytize.”

Seton Hall, he said, doesn’t try to convert non-Catholic students, which make up 16 percent of the student body.

Milwaukee Church of Christ officials told the Marquette Tribune, the campus newspaper, that they won’t back down because of the ban. “We’re not going to go away, no matter what the university says. We’re going to proselytize or we’ll go,” said Eric Mansbach, a former evangelist with the church, “we will minister to the needs of our students there.”

WANT MORE THAN A DESK JOB?

Looking for an exciting and challenging career where each day is different? At Vail High, you can have such a career as Pilots and Navigators. Maybe you can join them. Find out if you qualify! Control your Air Force recruiter today.

Air USAF OFFICER RECRUITING 1-800-423-USAFT, TOLL FREE
**SPOTLIGHT**

**Volleyball Season Wrap-Up**

The IIT Women's Volleyball Team has completed its 1988 season with a record of 31 wins and 9 losses. The Hawks finished in second place in the Chicagoland Conference and third in the NAIA District 20. They also reached as high as 33rd in the NAIA national rankings.

IIT captured first place in three invitational tournaments: the Scarlet Hawk Invitational; the Trinity Christian Invitational; and the Michigan Dearborn Invitational. The Hawks defeated many strong teams this season, including NAIA foes St. Xavier and National College and NCAA Division I teams Valparaiso and University. They were ranked in the top two places in the district throughout the season.

"This was an excellent season for our volleyball team, although we were disappointed at our finish at districts," said Coach Chris Meyer. "I am pleased with our team's spirit and competitiveness in important matches."

The Most Valuable Player for the Hawks this season is junior outside hitter Megan Regan. Megan led the team in spikes, kills, and serve efficiency. She was named to the All-Tournament Team at the Scarlet Hawk Invitational, Purdue-Calumet Invitational; Trinity Christian Invitational; and the Michigan-Dearborn Invitational. Megan was also named All-Conference and All-District, and was nominated for NAIA All-America.

Captain for the Hawks is junior outside hitter Kim Whalen. Kim was named to the All-Tournament team at Michigan-Dearborn, and also was named to the All-Conference and All-District Teams.

Junior setter Lori Marino played the first half of the season and then suffered a knee injury. However, she made a complete recovery from knee surgery and played well her senior season.

Sophomore middle hitter Tracy Leonardo continued to develop as an aggressive spiker and blocker for the Hawks, and is also a strong backcourt performer. She was named All-Tournament at the Scarlet Hawk Invitational, and was also named All-Conference.

Sophomore middle hitter Liz Clairebot also showed great improvement both at the net and in the backcourt. She was among the leaders on the team in spiking and serving percentage.

Sophomore right-side hitter Margaret Purcell also contributed strong blocking and left-handed hitting, and continued to improve in backcourt play.

Becky Stevenson, a sophomore, played both as outside setter and right-side hitter. She has worked very hard to develop her game and contributed in many matches.

Freshman setter Lisa Espaniell was named Rookie of the Year for the Hawks. Lisa was named Most Valuable Player at the Trinity Christian Invitational and was also named All-Conference and All-District. In addition, Lisa was named Most Valuable Freshman in the Conference.

Tina Malinowski, a freshman hitter, has great potential either in the middle or as an outside hitter. Tina was named All-Tournament at Purdue-Calumet and will be a dominant spiker and blocker for the Hawks in the future.

Freshman Beth Buckley played both the setter and outside hitter positions and contributed to the team's success in both roles.

Monica Bader, a freshman outside hitter, also has improved greatly and has worked hard to develop her skills.

"I really enjoyed the 1988 volleyball season," said Meyer. "We proved that we could consistently win tournaments and matches with a very young team and with no seniors on the roster. We have some young people who will develop into tremendous volleyball players."

A special recognition should go to Assistant Coach Kevin Tucker, who did a great job with improving the fitness of the players and helping to plan strategies against each opponent. The managers, scorekeepers, and statisticians also contributed to this season's success and deserve a special thanks.

The volleyball team members will continue to train and compete off-season in USVBA tournaments, and are already looking forward to another fine season next year.

**Swim Team Opener**

The varsity swimming and diving team traveled to Washington University of St. Louis last week and came away with a 3rd place finish in the five team competition. Dury College, last year's NAIA National men's champion last season won the meet by winning all nine of the swimming events. IIT got the only first place finish against Dury in the 1-meter diving event when freshman Scott Terroni and Gregory Parkins and sophomore Yong Park tallied 245.30 points in their six dives to far outdistance their competitors Dury College who scored 192.80 points. Even IIT's exhibition B diving team of Jeff Mason and Tony May outscored the 2nd place team with a 193.20 score.

Swimming coach Dennis Matuch stated that first year diving coach Andrew Przybylski is doing a great job working and teaching IIT's five divers, he also feels that 2 or 3 of our divers will be representing IIT in the National Championships in early March 1989.

The swimmers best finish was second place in the 800 yard freestyle relay made up of Jim Finn, Troy Leaf, David Hathaway, and Tony Prokes. All in all we had a pretty fair meet exclaiming coach Matuch, we've got a lot of new guys who are getting better every day, and by the end of January, or early February we will be as formidable as any team around and be ready for the National Championships.

Washington University Relays Results:
1. Druy 176
2. Washington U. 124
3. IIT 133
4. U of Chicago 102
5. Principia 80

**Basketball Team Looks Ahead to Promising Season**

The Illinois Institute of Technology Scarlet Hawks basketball team will open its season this weekend, November 18th and 19th in the Warburg College 'Kick Off' Classic. The team's first opponent will be Central College of Iowa.

Our team's new coach is Ed McCullough who took over when coach Bob Topper left in June. Coach McCullough comes to us from Mt. Carmel High School where he led the Caravan to the 1985 Class AA State Championship.

When asked how the team will fared this season coach McCullough responded, "We have four starters returning off a 14-15 record team. All games were reasonably close and so, because of our experience, we look forward to a great season."

Our point guard, averaged 22.8 points per game last season and was all conference and all district in the NAIA. 6'2" Junior forward Charlie Warnell averaged 14.5 points per game and 5 rebounds. Mike Kloak, our senior center also stood out with 10 points per game and 6.5 rebounds per game.

The other returner is junior John Lorenz a steady performer all season.

McCullough also likes the depth of the Scarlet Hawks with four more lettermen returning. 6'5" Jim Janus is a senior guard who possesses an outstanding shot. 6'5" Tom Beaton, a senior forward is a talented scorer and heady player who uses this skill to his advantage. 6'6" junior Marc Thompson, gives the team additional scoring and rebounding help. 6'1" Lashawn Brooks adds backcourt strength to the team with great passing and solid physical play.

Two newcomers recruits 6'6" Perry Williams and 6'3" Edwin Gregory are freshmen with great promise. 6'4" Shawn Smith from Washington and 6'1" Tony Mendoza of Dundee-Crown High School are pleasant surprises as walk-ons and they round out what promises to be a great team.